

**Krishna Institute of Medical Sciences "Deemed to be University", Karad**

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1.	2015-16	Bachelor of Medicine & Surgery (MBBS)  Anatomy	As per Previous Syllabus Topics at Sr. No. 1 to 5 in post revision syllabus column were not there in prior revision syllabus.	Clinical Approach For Students: -Clinical Approach :- 1) In Radiology Dept. 2) How To Give Injection Can Be Taught Im& Iv 3) Sonography 4) Tracheostomy 5)Clinical Oriented Lecture	<b>DEPARMENT OF ANATOMY</b> <b>Minutes of Board Of Studies Meeting</b> <b>Date: 11/03/2016</b> As per Registrar office order the meeting of B.O.S. was held in Dept. of Anatomy in Seminar Room at 10.00 a.m. on 11 <sup>th</sup> March, 2016 following decisions were taken. 1) Question paper format was discussed . Marks distribution to all regions & parts were also discussed and agreed by all. 2) In additional innovative methods Lectures of Radiological anatomy by experts were added.
2	2015-16	Bachelor of Medicine & Surgery (MBBS) Physiology	1) Respiratory Physiology. Lung volumes and capacities. Measurement, physiological significance (tidal volume, vital capacity, forced vital capacity - details) Lecture Demonstration was not included. 2) Respiratory Physiology Yoga & exercise Lecture Demonstration was not included. 3) Endocrine system Student's Seminars on each hormone was not included.	1) Respiratory Physiology Lung volumes and capacities. Measurement, physiological significance (tidal volume, vital capacity, forced vital capacity details) Lecture Demonstration was included. 2) Respiratory Physiology Yoga & exercise Lecture Demonstration was included. 3) Endocrine system Student's Seminars on each hormone was included. 4) Reproductive system Student's Seminar was	<b>KIMSDU/KIMS/CURRICULUM/PHYSIOLOGY/BOS 2016-17</b> <b>Minutes of Board Of Studies Meeting</b> Date:- 17.03.2016 A meeting of members of Board of studies (Physiology) was held in seminar room Of Department of Physiology, on 16.03.2016 at 11.00a.m. Revision of curriculum of 1 <sup>st</sup> MBBS:- 1. Theory part of Physiology covers almost all the aspects of functions of various organs of body. Addition of Yoga & Exercise physiology was suggested by external experts. 2. Practicals :- As per need analysis done, it was decided to add following topics in I MBBS curriculum.

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			<p>4) Reproductive system Student's Seminar was not included.</p> <p>5) Early clinical exposure-visit to Medicine ward to show clinical cases (Neurological, Endocrine &amp; Respiratory)- was not included.</p> <p>6) Respiratory Physiology Demonstration on CPR and practice on Mannequins was not included.</p> <p>7) Respiratory Physiology Demonstration of Digital Pulmonary function tests was not included.</p> <p>8) Animal experiments on frogs as video tape was not included.</p>	<p>included.</p> <p>5) Early clinical exposure-visit to Medicine ward to show clinical cases (Neurological, Endocrine &amp; Respiratory)- was included.</p> <p>6. Respiratory Physiology Demonstration on CPR and practice on Mannequins was included.</p> <p>7. Respiratory Physiology Demonstration of Digital Pulmonary function tests was included.</p> <p>8. Animal experiments on frogs as video tape using of Elsevier software was included</p>	
3	2015-16	Bachelor of Medicine & Surgery (MBBS) Biochemistry	<p><b>1. Enzymes</b> <b><u>Desirable to Know</u></b> <u>Antienzymes</u> &amp; <u>Proenzymes</u> <b><u>Nice to know</u></b> <u>Regulation of enzyme activity</u> was not included.</p> <p><b>2. Chemistry of proteins and amino acids</b> <b><u>Nice to know</u></b> <u>Methods to study structural organization of proteins.</u> was not included.</p> <p><b>3. Metabolism of Protein</b></p>	<p><b>1. Enzymes</b> <b><u>Desirable to Know</u></b> <u>Antienzymes &amp; Proenzymes</u> <b><u>Nice to know</u></b> <u>Regulation of enzyme activity</u> was included.</p> <p><b>2. Chemistry of proteins and amino acids</b> <b><u>Nice to know</u></b> <u>Methods to study structural organization of proteins.</u> was included.</p> <p><b>3. Metabolism of Protein and amino acids</b> <b><u>Nice to know</u></b> <u>Branched chain amino acid</u></p>	<p><b>DEPARTMENT OF BIOCHEMISTRY, KIMS, KARAD.</b></p> <p><b><u>MINUTES OF THE MEETING OF BOARD OF STUDIES HELD ON 03-03-2016</u></b></p> <p>The meeting of Board of Studies, Biochemistry was held on 03.03.2016 at 11.30A.M. in the seminar room of department of Biochemistry, K.I.M.S, under the Chairmanship of Dr. A. V. Sontakke. Professor &amp; Head, Biochemistry, KIMS, Karad.</p> <p>Following suggestions regarding P.G. Syllabus &amp; postings were made and approved in D.C.C. &amp; C.C.C.</p>

		<p><b>and amino acids</b>  <u>Nice to know</u>  <u>Branched chain amino acid metabolism</u>  was not included.</p> <p><b>4. Chemistry and metabolism of purines and pyrimidines</b>  <u>Nice to know</u>  <u>Orotic aciduria</u>  was not included.</p> <p><b>5. Biological oxidation</b>  <u>Desirable to Know</u>  <u>Malate - Aspartate shuttle</u>  <u>Glycerol - Phosphate shuttle</u>  was not included.</p> <p><b>6. Molecular concepts of body defense and their application in medicine</b>  <u>Nice to know</u>  <u>Vitamin like substances- choline, inositol lipoic acid, PABA</u>  was not included.</p> <p><b>7. Chemistry of carbohydrates</b>  <u>Nice to know</u>  <u>I.V.G.T.T.</u>  was not included.</p> <p><b>8. Chemistry Lipids</b>  <u>Nice to know</u>  <u>Saponification number ,R.M. number, Polanski number</u>  was not included.</p>	<p><u>metabolism</u>  was included.</p> <p><b>4. Chemistry and metabolism of purines and pyrimidines</b>  <u>Nice to know</u>  <u>Orotic aciduria</u>  was included.</p> <p><b>5. Biological oxidation</b>  <u>Desirable to Know</u>  <u>Malate - Aspartate shuttle</u>  <u>Glycerol - Phosphate shuttle</u>  was included.</p> <p><b>6. Molecular concepts of body defense and their application in medicine</b>  <u>Nice to know</u>  <u>Vitamin like substances- choline, inositol lipoic acid, PABA</u>  was included.</p> <p><b>7. Chemistry of carbohydrates</b>  <u>Nice to know</u>  <u>I.V.G.T.T.</u>  was included.</p> <p><b>8. Chemistry Lipids</b>  <u>Nice to know</u>  <u>Saponification number ,R.M. number, Polanski number</u>  was included.</p> <p><b>9. Metabolism of Lipids</b>  <u>Nice to know</u>  <u><math>\beta</math> oxidation of unsaturated fatty acid in brief.</u>  was included.</p>	<ul style="list-style-type: none"> <li>• Following changes were discussed &amp; approved by all the BOS members unanimously</li> </ul> <p><b>II.ADDITIONS IN PRACTICALS---</b></p> <ol style="list-style-type: none"> <li>Vitamin D estimation</li> <li>Vitamin B12 estimation</li> <li>Folic acid estimation</li> <li>Estimation of tumor markers</li> </ol>
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			<p><b>9. Metabolism of Lipids</b>  <u>Nice to know</u>  <u><math>\beta</math> oxidation of unsaturated fatty acid in brief.</u>  was not included.  <b>9. Integration of Metabolism &amp; starvation metabolism</b>  <u>Nice to know</u>  <u>Manganese &amp; molybdenum</u>  <b>Was not included</b></p>	<p><b>9. Integration of Metabolism &amp; starvation metabolism</b>  <u>Nice to know</u>  <u>Manganese &amp; molybdenum</u>  <b>Was included</b></p>	
4	2015-16	Pharmacology	<p>Pharmacoeconomic exercise was not present  Dose calculation exercise was not present  P drug Selection exercise was demonstration  Role play on doctor patient interaction was not present  Screening techniques for new drug” Practical modified,  II/I term ending practical Examination.  Theory – “Management of newer viral infections” was not present</p>	<p>Added  Converted to group discussion  Added  Ex .pharm Pro Computer Assisted learning included.  Changed to OSPE+ Viva.  New topic added</p>	<p><b>DEPARTMENT OF PHARMACOLOGY</b>  <b>Minutes of BOS (Pharmacology):</b>  <b>03/03/2016</b></p> <p>The meeting of BOS (Pharmacology) KIMSDU, Karad was held on 03/03/2016 at 11.30am in the Dept. of Pharmacology, KIMS, Karad.</p> <ol style="list-style-type: none"> <li>1) Inclusion of new topics and new T/L methods in II MBBS Curriculum.</li> <li>- It was decided to include group discussion on ‘Management of newer viral infections’.</li> <li>2) Addition of new practical exercises in II MBBS. it was decided that following new practical exercises can be added to II MBBS from batch coming in July 2016. <ol style="list-style-type: none"> <li>i) Pharmacoeconomics Exercise</li> <li>ii) New drug delivery system/ modern dosage forms.</li> <li>iii) Dose calculation exercise</li> <li>iv) Role play on ‘How to interact with patient’</li> </ol> </li> </ol>

					<p>v) P drug selection exercise can be converted to group discussion.</p> <p>Dr.A.V.Tilak (Ext. Expert) Provided the address of supplier wher mannequins are available which can be used for 'Routes of administration' practical exercise.</p> <p>3) It was unanimously accepted that accordingly Practical Record Book should be newly printed.</p>
5	2015-16	Pathology	<p>Details of PCR FISH were not included.</p> <p>Details of organ transplant rejections were not included.</p> <p>Emerging diseases were not included.</p> <p>Recent markers were not included.</p> <p>Recent markers M I were not included.</p> <p>Plasma pheresis was not included.</p> <p>Recent updates in Andrology were not included.</p>	<ul style="list-style-type: none"> <li>• Methods of diagnosis of Genetic Diseases – Cytogenetic studies, PCR, FISH etc.</li> <li>• Conversant with organ transplant rejections &amp; its immunologic basis</li> <li>• Emerging infectious diseases viz. Ebola, H1 N1, Zika Viral illnesses</li> <li>• Recent methods of cancer diagnosis – cytogenetic studies, tumor markers, Immunohistochemistry &amp; Flow Cytometry &amp; PCR etc</li> <li>• Laboratory diagnosis of myocardial infarction with recent markers.</li> <li>• Blood component therapy &amp; plasmapheresis.</li> <li>• Pathology of infertility</li> <li>• Semen/ Sperm Banking.</li> </ul>	<p><b><u>KIMSDU / KIMS / CURRICULUM /II MBBS / PATHOLOGY/ BOS /2016-17</u></b></p> <p>A meeting of Board of Studies in the Subject of Pathology was held on Saturday 12<sup>th</sup> March 2016 at 11.00 am. in the Seminar room of the Department of Pathology.</p> <p><u>UG Syllabus:-</u></p> <p>a) Brig. Prof. Dr. N.S. Mani conveyed his suggestions by email.</p> <p>He suggested to write information in Must know tables in the format of Specific Learning Objectives (SLO) so that Learners &amp; teachers could be benefited by knowing exactly what they have to learn &amp; to teach.</p> <p>Suggestion was discussed &amp; approved by all.</p> <p>b) Prof. Dr. S.K. Kittur suggested to add "Diagnosis of Genetic Diseases</p> <ul style="list-style-type: none"> <li>- prenatal diagnosis</li> <li>-- Genetic Counselling.</li> <li>-- Various methods &amp; sample collection".</li> </ul>

6	2015-16	Microbiology	<p>General Microbiology didactic lectures of 11 hours</p> <p>No Brief Answer Questions (BAQ) in theory paper.</p> <p>Stool examination to be performed by the students.</p>	<p>Universal Safety Precautions and Infection Control lecture in General Microbiology with increase in lectures from 11 to 13 hrs.</p> <p>Introduction of Brief Answer Questions (BAQ) in theory paper.</p> <p>Stool examination exercise changed to Parasitology exercise</p>	<p><b><u>DEPARTMENT OF MICROBIOLOGY</u></b>  <b><u>Minutes of B.O.S. in Microbiology</u></b>  The meeting of Board of Studies in the subject of Microbiology was held in the department on 08-03-2016 at 11.00 a.m. To include Universal Safety Precautions and Infection Control lecture in General Microbiology  Introduction of Brief Answer Questions (BAQ) in theory paper.  Stool examination exercise changed to Parasitology exercise</p>
7	2015-16	FMT	<p>a) Attitude and communication</p> <p>b) Professionalism</p> <p>c) Medical Records, importance, preservation, retrieval, archival, EMR etc</p> <p>d) Reconstruction of road traffic accidents</p>	<p>1. Understand issues related to PCPNDT Act.</p> <p>2. Understand issues related to Clinical Establishment Act.</p>	<p><b><u>KRISHNA INSTITUTE OF MEDICAL SCIENCES, KARAD</u></b>  <b><u>DEPARTMENT OF FORENSIC MEDICINE &amp; TOXICLOGY</u></b>  Minutes of the Meeting held on 10-02-2015:  1. Stress should be given while teaching.  a. PCPNDT Act.  b. The Clinical Establishments (Registration and Regulation) Act, 2010.</p>
8	2015-16	Community Medicine	<p>- Bioethics was not included in the prior syllabus.</p> <p>- Evaluation of NHP was not a part of the previous syllabus</p>	<p>A new topic 'Bioethics' was included in 7<sup>th</sup> term. In form of lecture which was adjusted with no replacement but clubbing other topics like MCH in vine hrs instead of ten . In public health practice national health programmes are implemented but as a public health officer one should know how to evaluate these programmes. So evaluation of NHP was included in 7<sup>TH</sup> term in lectures of health care delivery</p>	<p>Community Medicine Department  <b>B.O.S. Minutes (2015-16)</b>  <b>Letter No. 1</b>  The meeting of B.O.S. of Community Medicine was held on 09.03.2016 11.00 a.m. in the dept. of Community Medicine of KIMSUDU, Karad under the chairmanship of Dr. P.M. Durgawale.  <b>Curricula Revision -2015-16</b>  Dept. curriculum committee meeting was held on Dec.2015 where it was discussed &amp; decided to recommend BOS to revise curriculum on following ground.</p>

				<p>system in India.</p> <p>A ecological aspects including water conservation recently has become of concern so these topics 4<sup>th</sup> term were added in lectures of environmental sanitation in 4<sup>th</sup> term by clubbing other topics</p>	<p>a) For medical education research is must for better management of health practices for health &amp; development of community. So for research we should follow ethical aspects for beneficence &amp; non-maleficence &amp; to cover these aspects a new topic 'Bioethics' was included in 7<sup>th</sup> term. In form of lecture which was adjusted with no replacement but clubbing other topics like MCH in nine hrs instead of ten. Topic comes under desirable to know in cognitive domain &amp; level I difficulty assessment with weight- age of 3 marks in theory. b). In public health practice national health programmes are implemented but as a public health officer one should know how to evaluate these programmes. So evaluation of NHP was included in 7<sup>th</sup> term in lectures of health care delivery system in India. This comes under nice to know in cognitive domain &amp; assessment with weightage of 3 marks theory- having level II difficulty</p> <p>c) A ecological aspects including water conservation recently has become of concern so these topics 4<sup>th</sup> term were added in lectures of environmental sanitation in 4<sup>th</sup> term by clubbing other topics assessment by including the weight-age of marks in the same as must know category.</p> <p>d) Short-term research projects to interns to acquaint with research methodology to start during internship posting in a group of 4-5 students. No extra time allotted &amp; to be completed</p>
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					during community medicine posting.
9	2015-16	ENT	-Twenty eight MCQs- ½ mark each : 14 marks	- Coblation- - Guillotine method of tonsillectomy - Twenty four MCQs- 1/2 marks each 12 marks	Department of Otorhinolaryngology (ENT)  <u>MINUTES OF BOS MEETING – 2015 -2016</u>  1.Guillotine method of tonsillectomy was identified as obsolete and hence to be eliminated from UG syllabus. 2.The recent method of tonsillectomy-(Coblation method) to be added in UG syllabus. 3.New Question paper Pattern for UG University examination was agreed as proposed.
10	2015-16	Ophthalmology	Not there in the syllabus.	Medico legal aspects of medical negligence in relation to ophthalmology. With court cases decided on act of commission and act of omission (Number of lectures -2). Newer modalities of investigations, instruments and treatment (Number of lectures- 2) Low vision aids and rehabilitation of blind (Number of lectures -1) In view of vertical teaching which is to be introduced no of topics to be given less weightage are:- a. Embryology, Anatomy, Physiology of vision (Number of lectures from 5 to	<b>DEPARTMENT OF OPHTHALMOLOGY</b> Board of Studies (B.O.S.) meeting of Dept. of Ophthalmology was held on 27 <sup>th</sup> January, 2015 at 3.30 PM in Conference Hall of Director of Health Sciences, at 1st Floor of University Building, KIMSUDU, Karad.  • <b>UG syllabus modification</b>  Virtual audio visual learning by 2D videos.



				<p>3)  b. Orbit (Number of lectures from 4 to 2)  c. Neuro-ophthalmology (Number of lectures from 2 to 1)  • BAQs were added which were not there before of 8 marks, 2 marks for each questions (any 4 out of 5).  Number of MCQs were changed from 28 to 24, half marks each of total 12 marks.</p>	
11	2015-16	General Medicine	<p><b>1. Infectious Diseases: (Global, National and Local problems)</b>  <b>a.</b> H1 N1, Ebola Epidemic (Global Need)  <b>b.</b> National, state and local problem Dengue fever – changing clinical scenario  <b>c.</b> National Problem – Gujarat- Viral Haemorrhagic fever outbreak.  <b>d.</b> New SARS reported WIV1-COV species Reported in Chinese horse shoe bats  <b>2. Aging: Clinical Problems of Aging, Tools for functional Assessment in older patients, Care for old patients</b>  <b>3. Terrorism and</b></p>	<p><b>1. Infectious Diseases: (Global, National and Local problems)</b>  <b>e.</b> H1 N1, Ebola Epidemic (Global Need)  <b>f.</b> National, state and local problem Dengue fever – changing clinical scenario  <b>g.</b> National Problem – Gujarat- Viral Haemorrhagic fever outbreak.  <b>h.</b> New SARS reported WIV1-COV species Reported in Chinese horse shoe bats  <b>2. Aging: Clinical Problems of Aging, Tools for functional Assessment in older patients, Care for old patients</b>  <b>3. Terrorism and clinical medicine including Microbial terrorism, chemical terrorism and radiation Terrorism</b>  <b>Assessment: Brief answer</b></p>	<p>Meeting of the BOS of the Medicine faculty was held on 23<sup>rd</sup> March 2016 at 10.00 am in Medicine department of KIMSU, Karad,</p> <ul style="list-style-type: none"> <li>• Change in UG curriculum</li> <li>• Lecture and clinic attendance</li> </ul>

			clinical medicine including Microbial terrorism, chemical terrorism and radiation Terrorism <b>Assessment:</b> Brief answer questions (BAQ) are added for assessment <b>Was Not Included</b>	questions (BAQ) are added for assessment <b>Was included</b>	
12	2015-16	General Surgery	<p><b>General Principles</b></p> <ul style="list-style-type: none"> <li>- Day Care Surgery</li> <li>- Nutrition and Fluid therapy</li> </ul> <p><b>Resuscitation.</b></p> <ul style="list-style-type: none"> <li>- BLS and ACLs ( Basic life support, Advanced cardiac life support</li> </ul> <p><b>Common Skin And Subcutaneous Conditions.</b></p> <ul style="list-style-type: none"> <li>- Tissue Engineering and Regeneration</li> </ul> <p><b>Arterial Disorders.</b></p> <ul style="list-style-type: none"> <li>- Basic Surgical skills and Anastomosis</li> </ul> <p><b>Venous Disorders.</b></p> <ul style="list-style-type: none"> <li>- Tropical Infections and Infestation</li> </ul> <p><b>Lymphatics and lymph nodes.</b></p> <ul style="list-style-type: none"> <li>- Principles of Oncology</li> </ul> <p><b>Burns.</b></p> <ul style="list-style-type: none"> <li>- Human Factors, Patient Safety and Quality Improvement</li> </ul> <p>Was not Implemented</p>	<p><b>General Principles</b></p> <ul style="list-style-type: none"> <li>- Day Care Surgery</li> <li>- Nutrition and Fluid therapy</li> </ul> <p><b>Resuscitation.</b></p> <ul style="list-style-type: none"> <li>- BLS and ACLs ( Basic life support, Advanced cardiac life support</li> </ul> <p><b>Common Skin And Subcutaneous Conditions.</b></p> <ul style="list-style-type: none"> <li>- Tissue Engineering and Regeneration</li> </ul> <p><b>Arterial Disorders.</b></p> <ul style="list-style-type: none"> <li>- Basic Surgical skills and Anastomosis</li> </ul> <p><b>Venous Disorders.</b></p> <ul style="list-style-type: none"> <li>- Tropical Infections and Infestation</li> </ul> <p><b>Lymphatics and lymph nodes.</b></p> <ul style="list-style-type: none"> <li>- Principles of Oncology</li> </ul> <p><b>Burns.</b></p> <ul style="list-style-type: none"> <li>- Human Factors, Patient Safety and Quality Improvement</li> </ul> <p>Was not Implemented</p>	<p><b>DEPARTMENT OF SURGERY - MINUTES OF BOS- March 2016</b></p> <p>Meeting of BOS of Surgery was held on Monday on 14<sup>th</sup> March, 2016 Venue: Seminar Hall , (Ward No.7) Time: 3-00 PM.</p> <p><b><u>UG Changes</u></b></p> <ol style="list-style-type: none"> <li>1) Communication skill development</li> <li>2) Small group dissections</li> <li>3) Presentation of topics by UG students with moderation by teacher</li> <li>4) Question Quiz computation.</li> </ol>

13	2015-16	Obs./Gyn.		<ol style="list-style-type: none"> <li>1. Nutrition and Exercise for women's Health.</li> <li>2. How to break bad/unfavorable news in Ob. Gyn. Practice.</li> <li>3. Post partum intrauterine contraceptive devices.</li> <li>4. Introduction to artificial reproductive technology..</li> </ol> <p>UG Exam Paper Pattern change.</p>	<p><b><u>MINUTES OF THE MEETING OF THE BOARD OF STUDIES OBGYN FACULTY HELD ON 15<sup>TH</sup> MARCH, 2016.</u></b></p> <p><b><u>MEETING MINUTES BOARD OF STUDIES</u></b></p> <p>The meeting of the Board of Studies was held on 15<sup>th</sup> March, 2016 in the seminar room, ward no. 12, KIMS, Karad at 04:00pm. The following members were present.</p> <p><b>U.G. curriculum:</b></p> <ol style="list-style-type: none"> <li>5. Nutrition and Exercise for women's Health.</li> <li>6. How to break bad/ unfavorable news in Ob. Gyn. Practice.</li> <li>7. Post partum intrauterine contraceptive devices.</li> <li>8. Introduction to artificial reproductive technology.</li> </ol>
14	2015-16	Pediatrics	<p><b>7th / 8th / 9th Semester</b></p> <ul style="list-style-type: none"> <li>- Bleeding and coagulation disorders.</li> <li>- Seizure disorders.</li> <li>- Cerebral Palsy.</li> <li>- Common exanthematous illness.</li> <li>- Childhood tuberculosis</li> </ul>	<p>It was this topic were newly introduced - Interpretation of X-rays</p> <p>It was this topic were newly introduced - Growth Chart</p> <p>It was this topic were newly introduced Basics of ventilator Basics of ABG</p> <p>It was this topic were newly introduced Zika viruses</p> <p>I It was this topic were newly introduced Interpretation of peripheral smear</p>	<p><b><u>DEPARTMENT OF PEDIATRICS</u></b></p> <p><b><u>1<sup>ST</sup> REVISION 2016</u></b></p> <p><b><u>Minutes of Meeting Date of Meeting</u></b></p> <p><b><u>22.03.2016</u></b></p> <p>One lecture should be added for new emerging like disease ZIKA virus.</p> <p>All the members were of opinion there should be 4 examiners for Under Graduate examination. Paper Pattern should be changed as follows regarding marks</p> <p>LAQ must know -1 8 Marks</p> <p>SAQ - 4 out of 5 3 Marks each Question</p> <p>BAQ - 4 out 5 2 Marks each Question</p> <p>No of MCQ should be 24 caring 12 marks</p> <ul style="list-style-type: none"> <li>- Interpretation of X-ray</li> <li>- Growth chart -Basics of ventilator</li> <li>- Basics of ABG</li> <li>- Interpretation of peripheral smear</li> </ul>

Sr. No	Year	Programme name	Syllabus prior revision	Syllabus post revision	Annexure Extract Of BOS minutes
1.	2015-16	M.D. Anatomy	<p>Increase In Syllabus/Curriculum of P.G. Students :- I Would Like To Add Following Things In P.G. Course, This Year.</p> <p>1) Radiology Posting- For Every P.G. Student Of Anatomy, Should Attend Radiology Posting In Month of May Between 9 To 12 Am. For 1 Month. Student Is Expected To Learn Techniques In Radiology. Student Should Get Official Letter From Respective Hod Of Radiology. This Is For Two Years. ( This Will Help To Built Up Radiology Museum)</p> <p>1) Student Should Prepare 5 Museum Models Between TwoYears Time. Histology Technique - Should Prepare Histology Slides Of Different Tissues. (Minimum 25) - Between Two Years. 30 Days Clinical Posting. This Is For Two Years</p>	<p>PG ( MD, Anatomy) Curriculum :-</p> <p>1)Organ Donation – 1 Lecture. 2)Value&amp; Ethics – 2 Lectures. 3)Clinical Exposure – To Surgery, Orthopaedics, 4)Slide Preparation – With Special Stains Pas, Alcian Blue2.5, 1.5 Pas With Diastase. 5)Hands On Training For Embalming – Wax Embalming &amp; Preparation Of Museum Specimen.</p>	<p>As per Registrar office order the meeting of B.O.S. was held in Dept. of Anatomy in Seminar Room at 10.00 a.m. on 11<sup>th</sup> March, 2016</p> <p>1) Question paper format was discussed. Marks distribution to all regions &amp;parts were also discussed and agreed by all.</p> <p>2) In addition innovative methods Lectures of Radiological anatomy by experts were added.</p>

			<p>(30 X 2)  Total Modification 60 Days Out Of 1095 ( 3 Years)  Total Change In MD Syllabus.  1) Compulsory Museum Posting 60 Days In June. This Is For Two Years (30x 2)  Total Modification In 120 Days Out Of 1095 ( 3 Years )  Total Change In MD Syllabus 10% .</p>		
2.	2015-16	M. D. Physiology	<p>1)Basic knowledge of medical education technology was not included.  2)Mammalian experiments: Perfusion of mammalian heart. Effects of Various factors was not included.  3)Recording of smooth muscle activities &amp; effects of various factors was not included.  4) Study of audiometry&amp; auditory evoked potentials in ENT department was not included.  5) Study of retinoscopy &amp; fundoscopy in</p>	<p>1) Basic knowledge of medical education technology was included.  2)Mammalian experiments:Perfusion of mammalian heart. Effects of Various factors was included.  3) Recording of smooth muscle activities &amp; effects of various factors was included.  4) Study of audiometry &amp; auditory evoked potentials in ENT department was included.  5) Study of retinoscopy &amp; fundoscopy in ophthalmology department was included.  6) Basic knowledge of lab tutor &amp; physiograph for UG/PG practical's was included.  7) One short note (10marks) was included in the university</p>	<p>A meeting of members of Board of studies (Physiology) was held in seminar room Of Department of Physiology, on 16.03.2016 at 11.00a.m.  It was resolved to make necessary changes depicted in the annexure.</p>

			<p>ophthalmology department was not included.</p> <p>6) Basic knowledge of lab tutor &amp; physiograph for UG/PG practical's was not included.</p> <p>7) One short note (10marks) was not included in the university examination.</p> <p>8) 20 marks for animal experiment &amp; 20 marks for interpretation of graphs was not there.</p> <p>9) Study of surface EMG, EEG recording &amp; interpretation was not included.</p> <p>10) Phonocardiography was not included.</p> <p>11) Reaction time on human subject on polyrite and physiograph was not included.</p> <p>12) Substitution of 10 marks from animal experiments to human experiments was not there.</p>	<p>examination.</p> <p>8) 20 marks for animal experiment &amp; 20 marks for interpretation of graphs was included.</p> <p>9) Study of surface EMG, EEG recording &amp; interpretation was included.</p> <p>10) Phonocardiography was included.</p> <p>11) Reaction time on human subject on polyrite and physiograph was included.</p> <p>12) Substitution of 10 marks from animal experiments to human experiments was done.</p>	
3.	2015-16	M. D. Pathology	<p>Quality Management System was not included.</p> <p>Emerging diseases were</p>	<ul style="list-style-type: none"> <li>Recent advances in all fields, related to Pathology</li> <li>Organization of laboratory including quality control</li> </ul>	<p>A meeting of Board of Studies in the Subject of Pathology was held on Saturday 12<sup>th</sup> March 2016 at 11.00 am. in the Seminar room of the Department of</p>

			not included.	<ul style="list-style-type: none"> <li>• Emerging diseases like H1 N1, Ebola, Zika Viral illnesses.</li> <li>• Frozen Sections on Cryostat (Practical skill) &amp; Interpretation of Frozen Secitons.</li> <li>• Immunohistochemistry – Breast markers ER, PR, Her2 neu – procedure &amp; interpretation.</li> <li>• Participation in Quality Control.</li> <li>• NABL &amp; NABH guidelines.</li> <li>• Cytogenetics</li>   <li>• Molecular biology – PCR, Western Blot, Southern Blot, Northern Blot, Hybridization procedures.</li> </ul>	<p>Pathology.</p> <p>Quality Management Systems to be introduced in M.D. Syllabus. Also NABL, NABH Requirements to be studied.</p>
4.	2015-16	M. D. Microbiology	<p>Microteaching (Pedagogy) was not included .</p> <p>Oral Viva – Voce for 70 Marks.</p>	<p>1) Introduction of Microteaching (Pedagogy) – 20 Marks</p> <p>2) Oral Viva – Voce marks reduced from 70 to 50 Marks.</p>	<p>The meeting of Board of Studies in the subject of Microbiology was held in the department on 08-03-2016 at 11.00 a.m.</p> <p>Introduction of Microteaching (Pedagogy) – 20 Marks</p> <p>2) Oral Viva – Voce marks reduced from 70 to 50 Marks.</p>

5.	2015-16	M. D. Pharmacology	<p>Clinical posting was absent</p> <p>ADR reporting was not present</p>	<p>30 days posting 10 days each for medicine, Pediatrics, ObG added</p> <p>140 days ADR reporting added</p>	<p>The meeting of BOS (Pharmacology) KIMSDU, Karad was held on 03/03/2016 at 11.30am in the Dept. of Pharmacology, KIMS, Karad.</p> <p>New topics to MD Syllabus-</p> <p>It was suggested and accepted that new topics like, Ecopharmacovigilance, Nanotechnology in Pharmacology will be added to MD syllabus</p> <p>It was decided that - New exercises on Pharmacovigilance, dose calculation, Pharmacokinetic exercises will be added to university practical examination of MD (Pharmacology)</p>
6.	2015-16	M. D. Community Medicine (PSM)	As per previous Syllabus	<ol style="list-style-type: none"> <li>1) Addition of women Empowerment, molecular Epidemiology.</li> <li>2) PGs be allotted families for follow for 1 year.</li> <li>3) Promotion of active participation in NHPs and WHO Collaborative activities</li> <li>4) Promotion of interdisciplinary co-ordination by increasing collaborative field activities.</li> <li>5) Preparation of guidelines for formative examination of</li> </ol>	<p><u>KRISHNA INSTITUTE OF MEDICAL SCIENCES, KARAD</u> Community Medicine Department <b>B.O.S. Minutes (2015-16)</b></p> <ol style="list-style-type: none"> <li>1) Addition of women Empowerment, molecular Epidemiology.</li> <li>2) PGs be allotted families for follow-up for 1 year.</li> <li>3) Promotion of active participation in NHPs and WHO Collaborative</li> </ol>



				<p>PGs was as follows:- Guideline for formative assessment of post graduate students –</p> <p>At the end of 1<sup>st</sup> year ---FA – 1</p> <p>At the end of 3<sup>rd</sup> term -- FA - 2</p> <p>At the end of 4<sup>th</sup> term -- FA - 3</p> <p>1 Month Before final examination - Preliminary Examination</p> <p>FA -- 100 Marks Theory Exams 100 Marks Practical including viva voce</p> <p>Preliminary exam – Similar to summative exam</p>	<p>activities</p> <p>4) Promotion of interdisciplinary co-ordination by increasing collaborative field activities.</p> <p>5) Preparation of guidelines for formative examination of PGs was as follows:-</p> <p>Guideline for formative assessment of post graduate students – At the end of 1<sup>st</sup> year -FA – 1</p> <p>At the end of 3<sup>rd</sup> term FA - 2</p> <p>At the end of 4<sup>th</sup> term FA - 3</p> <p>1 Month Before final examination - Preliminary Examination</p> <p>FA -- 100 Marks Theory Exams</p> <p>100 Marks Practical including viva voce Preliminary exam – Similar to summative exam.</p>
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7.	2015-16	M. D. General Medicine	<p>1. Combined lectures for applied anatomy and physiology should be arranged for Post Graduate students ( MS and MD) (Integrated teaching of applied anatomy and physiology) There should be lectures by super specialists like, (Gastroenterologist, Cardiologist, Neurologist &amp; Hematologist <b>Was Not Included</b></p>	<p>1. Combined lectures for applied anatomy and physiology should be arranged for Post Graduate students ( MS and MD) (Integrated teaching of applied anatomy and physiology) 2. There should be lectures by super specialists like, (Gastroenterologist, Cardiologist, Neurologist &amp; Hematologist <b>Was included</b></p>	<p>Meeting of the BOS of the Medicine faculty was held on 23<sup>rd</sup> March 2016 at 10.00 am in Medicine department of KIMSU, Karad</p> <ul style="list-style-type: none"> <li>• Lecture on basic sciences for PGs.</li> <li>• Super speciality teaching sessions regularly</li> </ul>
8.	2015-16	M. D. Pediatrics	<p><b>Social Pediatrics</b> - Child labour, Child abuse, Child neglect, Failure to thrive, Social issues relevant to Pediatrics. - Media and children - Children at special risk <b>l. Emergency pediatric services</b> - Planning and management of pediatric intensive care unit - Anesthesia, perioperative care and pain management. - Principles of drug therapy. <b>p. Infectious diseases</b> -Laboratory techniques</p>	<p>It was this topic were newly introduced - Role of pediatricians in adaption It was this topic were newly introduced Ventilator management in Pediatrics patients It was this topic were newly introduced Zika Virus It was this topic were newly introduced Plasma Pherasis</p>	<p><u>DEPARTMENT OF PEDIATRICS</u> <u>1<sup>ST</sup> REVISION 2016</u> KIMS/PED/987/2016 Date: 05.04.2016 <u>Minutes of Meeting Date of Meeting 22.03.2016</u> Post Graduate students should be encouraged to prepare rare case report. One lecture should be added for new emerging like disease ZIKA virus. Dr G GJoag suggested conducting Pre and post-test seminar questions. Dr S H Wagh suggested they should grand round every week. Dr P V Kumavat suggested to have Two internal examiner for Post Graduate examination</p>

			<p>for diagnosis of infections diseases.</p> <ul style="list-style-type: none"> <li>-Infections in immunocompromized host.</li> <li>- Clinical syndromes caused by various infections agents.</li> </ul> <p><b>x. Central and peripheral Nervous System</b></p> <ul style="list-style-type: none"> <li>- Etiology, pathophysiology, pathogenesis, clinical features and management of various diseases affecting central nervous system and peripheral nervous system.</li> <li>- Seizures in childhood.</li> <li>- Neuromuscular diseases - etiology, clinical features, pathophysiology and management.</li> </ul>		<p>Dr G GJoag suggested progress of the Post Graduate students should be monitored every term.</p> <p>Dr S H Wagh suggested Post Graduate students should take Under Graduate clinic</p> <p>It was suggested Dr P V Kumavat Adolescent speciality Clinic should be started.</p> <ul style="list-style-type: none"> <li>- Plasma pherasis</li> <li>- IQ &amp; DQ</li> <li>- Ventilator management in Pediatrics Patients</li> <li>- Role of paediatricians in adaption</li> </ul>
9	2015-16	M. S. General Surgery	<p>General Surgical Operative Procedures</p> <ul style="list-style-type: none"> <li>-Hands on training to P. G. Students Laparoscopy and Endoscopy Teaching and Learning Activities</li> </ul> <p><b>Pathology:</b></p> <ul style="list-style-type: none"> <li>-Tutorials on Newly added Specimen</li> </ul>	<p>General Surgical Operative Procedures</p> <ul style="list-style-type: none"> <li>-Hands on training to P. G. Students Laparoscopy and Endoscopy Teaching and Learning Activities</li> </ul> <p><b>Pathology:</b></p> <ul style="list-style-type: none"> <li>-Tutorials on Newly added Specimen</li> </ul>	<p><b>DEPARTMENT OF SURGERY - MINUTES OF BOS- March 2016</b></p> <p>Meeting of BOS of Surgery was held on Monday on 14<sup>th</sup> March, 2016</p> <p>Venue: Seminar Hall , (Ward No.7) <b>PG Changes :</b></p> <ol style="list-style-type: none"> <li>1) Introduction of certificate course in minimal invasive</li> </ol>

			<p><b>Radio-diagnosis:</b> -Tutorials on New Imaging Modalities, -Assessment of operative skill of P. G. student's</p> <p><b>Practical Examination:</b> -Medico legal aspects and ethics in practices - Evolution of ethical research. Was Not Implemented</p>	<p><b>Radio-diagnosis:</b> -Tutorials on New Imaging Modalities, -Assessment of operative skill of P. G. student's</p> <p><b>Practical Examination:</b> -Medico legal aspects and ethics in practices - Evolution of ethical research. Was Implemented</p>	<p>surgery for 2 years</p> <p>2) Intradepartmental meeting once in 15 days for introduction of new modalities like CT scan, Pet Scan &amp; MRI</p> <p>3) Molecular genetics in ORAL CANCER</p>
10	2015-16	M. D. Radio Diagnosis	As per previous syllabus	<p>Study of viability of cardiac muscle on MRI.</p> <p>MR mammography and Elastography.</p>	<p>Minutes of BOS Meeting.</p> <p>Meeting Of Board studies (BOS) was conducted on 25th The February 2019 at 11.00 A.M. in department of Radio-diagnosis.</p> <p>Changed PG (MD Radio-diagnosis) Syllabus based on MCI Guidelines with competency based programme.</p>
11	2015-16	M. S. Obs./Gyn.	As per previous syllabus	<ol style="list-style-type: none"> <li>1. New methods of imaging science in Ob. Gyn. i.e. 3-D Ultrasound, Doppler, Volume Ultrasound, Contrast enhance Ultrasound, Elastography and MRI.</li> <li>2. Molecular genetics in gynecological cancer.</li> <li>3. Third party reproduction-ICMR guidelines.</li> <li>4. Medico legal aspects of</li> </ol>	<p>The meeting of BOS for Obs. Gyn was conducted for the academic year 2015 -16in the meeting it was resolved to make Sr No. 1 to 4 changes in the syllabus. The said table is annexed herewith</p>

				surrogacy. Egg banking.	
12	2015-16	M. D. Anesthesia	<p>Pharmacogenetics and anaesthesiology was not included</p> <p>Anaesthesia in difficult situations was not included in cognitive domain</p> <p>Bioethics and anaesthesiology, Medicolegal aspects of Anesthesiology were not included in psychomotor domain</p> <p>Research Methods, Medical code of Conduct and Medical Ethics. National health and Disease Control Programs.</p> <p>Bio-statistics were not included as didactic lectures.</p> <p>OSCE and PBL were not included in assessment methods</p> <p>ICP monitoring, TEE, TEG were not included in monitoring methods</p>	<p>Pharmacogenetics and anaesthesiology included as lecture topic.</p> <p>Anaesthesia in difficult situations-including MRI, Dental chair, endoscopic and airway-sharing procedures, Camp anaesthesia, Day caresurgery, Shock of various etiology, Field situations including high altitude, laser surgery was added in cognitive domain.</p> <p>Bioethics and anaesthesiology, Medicolegal aspects of Anesthesiology were included in psychomotor domain</p> <p>Research Methods, Medical code of Conduct and Medical Ethics. National health and Disease Control Programs.</p> <p>Bio-statistics were included as didactic lectures.</p> <p>OSCE and PBL were included in assessment methods.</p> <p>ICP monitoring, TEE, TEG were included in monitoring methods (desirable to know)</p>	<p>Meeting of the BOS Anaesthesia will be held on Thursday, 17/03/2016 at 11.00 a.m. in Dept. seminar hall.</p> <p>Curriculum changes in the procedures involving</p> <ul style="list-style-type: none"> <li>✓ Fiberoptic Laryngoscope</li> <li>✓ USG Guided block</li> <li>✓ Low-Flow anaesthesia techniques</li> <li>✓ For 1<sup>st</sup> year residents : 8 procedures each under observation</li> <li>✓ 2<sup>nd</sup> year residents : 8 procedures each under observation/ conducting under supervision</li> <li>✓ 3<sup>rd</sup> year residents : 8 procedures each to conduct under supervision</li> </ul> <p>According to the present MCI requirements.</p> <ul style="list-style-type: none"> <li>✓ 1<sup>st</sup> Year residents must do poster Presentation in a conference</li> <li>✓ 2<sup>nd</sup> Year Poster / paper Presentation</li> <li>✓ for 3<sup>rd</sup> year</li> </ul> <p>at least one poster and one paper must for appearing MD examination.</p> <p>For MD student at least one</p>

					publication to be a requirement
13	2015-16	MS Orthopedics	<p>-Basic Sciences Related to Locomotor system. Development, histology of bone, cartilage, collagen, muscles and nerve.</p> <p>-Orthopaedic diseases</p> <p>-General principles of Surgery and Traumatology</p> <p>-Principles of Arthroscopy microsurgery &amp; Arthroplasty.</p> <p>Orthotics &amp; Prosthetics, disability calculation, Biomechanics of gait, splints.</p>	<p><u>1<sup>st</sup> Year</u></p> <p>-Anatomy of Upper &amp; Lower Extremities and Spine</p> <p>-Clinical examinations of short and Long Cases in Orthopaedics</p> <p><u>2<sup>nd</sup> Year</u></p> <p>-Watson and Jones Orthopaedics</p> <p>- Management of Polytrauma and Damage Control Orthopaedics</p>	<p>KIMSDU/ORTHO/B.O.S /06 /2016.</p> <p>Date: 09.03.16</p> <p><u>MINUTES OF BOS MEETING PG &amp; Diploma Syllabus change.</u></p> <p>New Syllabus topic added for P.G. Course-</p> <p><u>1<sup>st</sup> Year</u></p> <p>Anatomy of Upper &amp; Lower Extremities and Spine</p> <p>Clinical examinations of short and Long Cases in Orthopaedics</p> <p><u>2<sup>nd</sup> Year</u></p> <p>Watson and Jones Orthopaedics</p> <p>Management of Polytrauma and Damage Control Orthopaedics</p>
14	2015-16	M.S. ENT	<p>OSCE:-Marks: 20</p> <p>Pedagogy (pedagogy, paedagogy) :-Marks: 40</p>	<p>The newer method of tonsillectomy-(Coblation method) added in PG syllabus</p> <p>OSCE: Marks 30</p> <p>Pedagogy (pedagogy, Paedagogy) :-Marks 30</p>	<p>Department of Otorhinolaryngology (ENT)</p> <p>MINUTES OF BOS MEETING – 2015 -2016</p> <p>The newer method of tonsillectomy-(Coblation method) added in PG syllabus</p> <p>OSCE: Marks 30</p> <p>Pedagogy (pedagogy, Paedagogy) :-Marks 30</p>
15	2015-16	M.S. Ophthalmology	<p>As per previous syllabus</p>	<ul style="list-style-type: none"> <li>Basics of newer investigations and information technology in Ophthalmology.</li> <li>PG exam paper pattern change</li> </ul>	<p>Board of Studies (B.O.S.) meeting of Dept. of Ophthalmology was held on 27th January, 2015 at 3.30 PM in Conference Hall</p> <p>PG Syllabus modification</p>

					Interdepartmental PG activity twice a year. PG posting to non clinical branches. Virtual audio visual learning by 2D videos.
16	2015-16	M. D. Dermatology	As per previous syllabus		The meeting of Board of Studies of Dermatology was held on 23.02.2016 in the department of Dermatology
17	2015-16	M. D. Biochemistry	<p><b>Practical Syllabus</b></p> <ol style="list-style-type: none"> <li>1. Estimation of Vitamin D</li> <li>2. Estimation of Vit B12</li> <li>3. Estimation of Folic Acid</li> <li>4. Estimation of Tumor Markers</li> </ol> <p>It was not included</p> <p><u>Posting</u></p> <p>D) KIMS Diagnostics (7 days)</p> <p>E) Genetic Laboratory (7 days)</p> <p>F) Blood bank (7 days)</p> <p>The above postings were not included</p>	<p><b>Practical Syllabus</b></p> <ol style="list-style-type: none"> <li>1. Estimation of Vitamin D</li> <li>2. Estimation of Vit B12</li> <li>3. Estimation of Folic Acid</li> <li>4. Estimation of Tumor Markers</li> </ol> <p>Above mentioned included</p> <p><u>Posting</u></p> <p>D) KIMS Diagnostics (7 days)</p> <p>E) Genetic Laboratory (7 days)</p> <p>F) Blood bank (7 days)</p> <p>Above Postings were added</p>	<p>MINUTES OF BOS MEETING - 2015 -2016</p> <p>The meeting of Board of Studies of Dermatology was held on 23.02.2016 in the department of Dermatology</p> <p>Practical Syllabus</p> <p>Estimation of Vitamin D</p> <p>Estimation of Vit B12</p> <p>Estimation of Folic Acid</p> <p>Estimation of Tumor Markers</p> <p>Above mentioned included</p> <p><u>Posting</u></p> <p>D) KIMS Diagnostics (7 days)</p> <p>E) Genetic Laboratory (7 days)</p> <p>F) Blood bank (7 days)</p> <p>Above Postings were added</p>
18	2015-16	Diploma in Child Health(DCH)	As per previous syllabus	<p><b>Topics Added</b></p> <ul style="list-style-type: none"> <li>• Role of pediatricians in adaption</li> <li>• Ventilator management in pediatrics patients</li> <li>• Zika Virus</li> </ul>	<p>MINUTES OF BOS MEETING -</p> <p>It was decided to add Following Topics:</p> <ul style="list-style-type: none"> <li>• Role of pediatricians in adaption</li> <li>• Ventilator management in pediatrics patients</li> <li>• Zika Virus</li> </ul>

19	2015-16	Diploma in Obs/Gyn (DGO)	As per previous syllabus	<p><b>Topics Added</b></p> <ul style="list-style-type: none"> <li>• New methods of imaging science in Ob. Gyn. i.e. 3-D Ultrasound, Doppler, Volume Ultrasound, Contrast enhance Ultrasound, Elastography and MRI.</li> <li>• hird party reproduction-ICMR guidelines.</li> <li>• Medico legal aspects of surrogacy.</li> <li>• Egg banking.</li> </ul>	<p>MINUTES OF BOS MEETING – It was decided to add Following Topics:</p> <ul style="list-style-type: none"> <li>• New methods of imaging science in Ob. Gyn. i.e. 3-D Ultrasound, Doppler, Volume Ultrasound, Contrast enhance Ultrasound, Elastography and MRI.</li> <li>• hird party reproduction- ICMR guidelines.</li> <li>• Medico legal aspects of surrogacy.</li> <li>• Egg banking.</li> </ul>
20	2015-16	Diploma in Radio diagnosis (DMRD)	As per previous syllabus	<p><b>Topics Added</b></p> <p>HRCT basics &amp; Imaging in ILD. MDCT examination of Abdomen. Hepatobiliary: Detailed studies interventional. Doppler studies of limbs, Ophthalmic MRI Evaluation of C.N.S.</p>	<p>MINUTES OF BOS MEETING – It was decided to add Following Topics:</p> <p>HRCT basics &amp; Imaging in ILD. MDCT examination of Abdomen. Hepatobiliary: Detailed studies interventional. Doppler studies of limbs, Ophthalmic MRI Evaluation of C.N.S.</p>
21	2015-16	Diploma in Orthopedics (D Ortho.)	As per previous syllabus	<p><b>Topics Added</b></p> <p>Basic Sciences of Orthopaedics Surgical Approches in Orthopaedics</p>	<p>MINUTES OF BOS MEETING – It was decided to add Following Topics:</p> <p>Basic Sciences of Orthopaedics Surgical Approches in Orthopaedics</p>
22	2015-16	Diploma in Anesthesiology (DA)	As per previous syllabus	<p>He should have exposure to specialties of Anaesthesia such as transplants, laparoscopic, cardiac surgical, cardiology related to anaesthesia,</p>	<p>MINUTES OF BOS MEETING – It was decided to add Following Topics:</p> <p>He should have exposure to specialties of Anaesthesia such</p>



				<p>.He should have knowledge of Bioethics and Anaesthesiology, Medico legal considerations in Anaesthesiology</p> <p>He should have knowledge of using peripheral nerve stimulator and ultrasound guided techniques</p> <p>Manage Patients for cancer pain by WHO regime</p> <p>Perform Percutaneous/Mini-Tracheostomy, Institute J Ventilation.</p> <p>Induced hypothermia</p> <p>Monitored anaesthesia care</p>	<p>as transplants, laparoscopic, cardiac surgical, cardiology related to anaesthesia,</p> <p>.He should have knowledge of Bioethics and Anaesthesiology, Medico legal considerations in Anaesthesiology</p> <p>He should have knowledge of using peripheral nerve stimulator and ultrasound guided techniques</p> <p>Manage Patients for cancer pain by WHO regime</p> <p>Perform Percutaneous/Mini-Tracheostomy, Institute J Ventilation.</p> <p>Induced hypothermia</p> <p>Monitored anaesthesia care</p>
23	2015-16	M.Sc. Medical Anatomy	As per previous syllabus	<p>1)B.Sc. With Chemistry Can Also Be Given Admission To M.Sc. Anatomy.</p> <p>1)In Additional Innovative Methods Lectures Of Radiological Anatomy By Experts Were Added.-Journals :</p> <p>1) Journal of Clinical Anatomy 2) Surgical &amp; Radiological Anatomy</p> <p>3) Journal of Anatomy4) Development Dynamics5) Anatomical Record</p> <p>6) Journal of Anatomical Society of India.</p>	<p><u>DEPARMENT OF ANATOMY</u></p> <p><u>minutes of B.O.S. Meeting</u></p> <p><u>11/03/2016</u></p> <p>As per Registrar office order the meeting of B.O.S. was held in Dept. of Anatomy in Seminar Room at 10.00 a.m. on 11<sup>th</sup> March, 2016</p> <p>1)B.Sc. With Chemistry Can Also Be Given Admission To M.Sc. Anatomy.</p>

24	2015-16	M. Sc. Medical Microbiology	<p>Microteaching (Pedagogy) was not included .</p> <p>Oral Viva – Voce for 70 Marks.</p>	<p>1) Introduction of Microteaching (Pedagogy) – 20 Marks</p> <p>2) Oral Viva – Voce marks reduced from 70 to 50 Marks.</p>	<p><b><u>DEPARTMENT OF MICROBIOLOGY</u></b></p> <p><b><u>Minutes of B.O.S. in Microbiology</u></b></p> <p>The meeting of Board of Studies in the subject of Microbiology was held in the department on 08-03-2016 at 11.00 a.m. Introduction of Microteaching (Pedagogy) – 20 Marks</p> <p>2) Oral Viva – Voce marks reduced from 70 to 50 Marks.</p>
25	2015-16	M.Sc. Medical Physiology	<p><b>Study of surface EMG, EEG recording &amp; interpretation</b> was not included.</p> <p><b>2)Phonocardiography</b> was not included.</p> <p><b>3)Reaction time on human subject on polyrite and physiograph</b> was not included.</p> <p><b>4)Substitution of 10 marks from animal experiments to human experiments</b> was not there.</p>	<p><b>Study of surface EMG, EEG recording &amp; interpretation</b> was included.</p> <p><b>2)Phonocardiography</b> was included.</p> <p><b>3)Reaction time on human subject on polyrite and physiograph.</b> was included.</p> <p><b>4)Substitution of 10 marks from animal experiments to human experiments</b> was done.</p>	<p>Minutes Of Board Of Studies Meeting</p> <p>Date:- 17.03.2016</p> <p>A meeting of members of Board of studies (Physiology) was held in seminar room</p> <p>Of Department of Physiology, on 16.03.2016 at 11.00a.m.</p> <p>Preparation of calendar of Events on Day 1 (for Department)</p> <p>Conducting Mid semester examinations – only Theory.</p> <p>All the preclinical departmental staff should have a combined meeting once a month</p>
26	2015-16	M.Sc. Master in Public Health	<p><b>As previous syllabus</b></p>	<p>PGs be allotted families for follow-up for 1 year.</p> <p>Promotion of active</p>	<p>Community Medicine Department</p> <p>B.O.S. Minutes (2015-16)</p>

				<p>participation in NHPs and WHO Collaborative activities  Promotion of interdisciplinary co-ordination by increasing collaborative field activities.  Preparation of guidelines for formative examination of PGs was as follows:- Guideline for formative assessment of post graduate students At the end of 1<sup>st</sup> year -----FA – 1  At the end of 3<sup>rd</sup> term -----  ---- FA - 2 At the end of 4<sup>th</sup> term ----- FA - 3 1  Month Before final examination - Preliminary Examination  FA ----- 100 Marks Theory Exams 100 Marks Practical including viva voce  Preliminary exam – Similar to summative exam.</p>	<p>The meeting of B.O.S. of Community Medicine was held on 09.03.2016  11.00 a.m. in the dept. of Community Medicine of KIMSDU, Karad under the chairmanship of Dr. P.M. Durgawale. Dr. Priya Prabhu has requested permission for absence for the medical emergency of her mother. So it was accepted. Dept. curriculum committee meeting was held on Dec.2015 where it was discussed &amp; decided to recommend BOS to revise curriculum</p>
27	2015-16	M.Sc. Epidemiology	As per previous syllabus	<p><b>M. Sc.- Epidemiology :-</b>  Medical Inspection of public place ● Hand on experience in investigation of Epidemic ● Active participation in Pulse-Polio Programme &amp; its evaluation  ● Women empowerment  ● Publication on research Project  ● Family case Study.</p>	<p><u>KRISHNA INSTITUTE OF MEDICAL SCIENCES, KARAD</u>  Community Medicine Department  <b>B.O.S. Minutes (2015-16)</b>  <b>M.Sc. Epidemiology :-</b>  1) Medical Inspection of public place  2) Hand on experience in investigation of Epidemic  3) Active participation in Pulse-Polio Programme &amp; its evaluation</p>

					4) Women empowe 5) Publication on research Project. 6) Family case study.
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Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2015-16	Bachelor of Dental Surgery (BDS)	Head & Neck	Cubital fossa ( Anatomy, histology, osteology, embryology)	<p>Board Of Studies of School of Dental Sciences KIMSDU, Karad Dr. Shashikiran N.D convened and chaired the meeting today Dated 29/3/16, at 10.00 am</p> <p>Change in the theory exam pattern. BAQ's for 1.5 marks for the upcoming academic year 2016-17 &amp; onwards. (Previously BAQ were for 2 marks)</p> <p>The format of new Question paper would be as follows, Only 2 sections:</p> <p>•Sec A: 20 MCQ's (1 mark each)</p> <p>•Sec B:</p> <ul style="list-style-type: none"> <li>✓ LAQ's: Answer any 2 out of 3 (10 marks each)</li> <li>✓ SAQ's: Answer any 5 out of 6 (3 marks each)</li> <li>✓ BAQ's: Answer any 10 out of 11 (1.5 marks each)</li> </ul>
			Blood	Blood: Addition of clotting disorders with special reference to hemophilia. Endocrine system-addition of endocrine pancreas, secretion of hormones, their action, disorders of secretion. Body temperature and function of skin	
			Histology	Microscope	
			Surveying	Surveying in RPD	
			Advance Microscope	Light and special microscope	
			Advanced esthetic	Veneers, Digital smile designing	
			PRP	Platelet rich plasma as healing adjuvant, botulinum toxin	
			Salivary Gland Disorder	Sialography	
			Obstructive sleep apnea	The invisalign system obstructive sleep apnea	
			Advance pediatric dentistry	Lasers in pediatric dentistry	
Cost minimalization analysis	Health economics				
Treatment planning and general surgery procedures	Perimplants and its management advanced implant surgical procedures like socket shield and basal implants				

			Bone implant contact	Osteointegration in implantology	
2	2015-16	Prosthodontics & Crown Bridge	CBCT	Training program in CAD, CAM technology	
3	2015-16	Conservative Dentistry & Endodontics	Nanodentistry	Inclusion of nanotechnology	
4	2015-16	Oral & Maxillofacial Surgery	SABG	Stereolithography in OMFS	
5	2015-16	Periodontology	Surgical anatomy in relation to implantology	Sinus lift procedures for implantology	
6.	2015-16	Oral Pathology & Microbiology & Forensic Odontology	Advanced diagnostics	Recent advances in oral pathology microbiology and forensics	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2015-2016	Bachelor of Physiotherapy Human Anatomy	Gross anatomy of all systems included. Specific emphasis related to musculoskeletal system, neurological and surface anatomy are recommended post revision.	The first year syllabus was kept for discussion in front of the members & the following suggestions were incorporated in the following subjects: <ul style="list-style-type: none"> <li>• More emphasize given to surface anatomy practical.</li> <li>• Reduction in the hours in digestive system.</li> <li>• Applied aspect of Anatomy, Physiology and biochemistry relevant to physiotherapy added in syllabus</li> </ul>	<b>BOS MINUTES OF MEETING Date: 29/3/2016</b> <b>Venue: KCPT Meeting hall</b> <b>Agenda:</b> Modifications of first year, second year, third year and final year BPT syllabus Modifications of first year and second year MPT syllabus
2	2015-2016	Human Physiology	As per the syllabus, equal weightage was given to all topics related to didactic lectures. Special senses was 'nice to know' As per the course outcome needs, emphasis was given to special senses and exercise physiology related topics which are recommended for post revision.	<ul style="list-style-type: none"> <li>• Less emphasis is given to the Digestive system.</li> <li>• More emphasis has been given to Special senses.</li> </ul>	
3	2015-2016	Biochemistry	<ol style="list-style-type: none"> <li>1. Cell</li> <li>2. Chemistry of Carbohydrates</li> <li>3. Chemistry of Lipids</li> <li>4. Chemistry of Proteins</li> <li>5. Chemistry of Nucleic acid</li> <li>6. Chemistry of enzymes</li> </ol> Level I basics of the above headings are included in the syllabus. <ul style="list-style-type: none"> <li>• Level II elaboration is made</li> </ul>	Biological importance <ul style="list-style-type: none"> <li>• Isomerism: Anomers &amp; Epimers.</li> <li>• Functions &amp; actions of prostaglandins, Rancidity.</li> <li>• Biologically imp free nucleotides.</li> <li>• Diagnostic importance of enzymes</li> <li>• Proenzymes &amp; Antienzymes</li> </ul>	

			<p>in post-revision.</p> <ul style="list-style-type: none"> <li>• Topics related to metabolism are recommended in post revision.</li> </ul>	<ul style="list-style-type: none"> <li>• Uncouplers.</li> <li>• Vitamins:</li> <li>• Hypervitaminosis</li> </ul> <p>Minerals:</p> <p>Copper, Zinc, Selenium, Magnesium &amp; Iodine</p> <p>Hormones:</p> <p>Metabolic effects of Insulin, glucagon, Thyroxine &amp; Catecholamine.</p> <p>Carbohydrate Metabolism:</p> <p>Galactosemia, Lactose intolerance.</p> <p>Lipid Metabolism:</p> <p>Atherosclerosis</p> <p>Fatty liver</p> <p>Protein Metabolism:</p> <p>Sulphur containing amino acids.</p> <p>Biochemical genetics &amp; Protein synthesis:</p> <p>Oncogens &amp; tumor markers.</p> <p>Integrated Metabolism:</p> <p>Acid Base Balance :</p> <ul style="list-style-type: none"> <li>• Acid – base imbalance – Causes and characteristics</li> </ul> <p>Water &amp; Electrolyte Balance</p> <ul style="list-style-type: none"> <li>• Regulation in brief.</li> </ul> <p>Energy Metabolism ( Nutrition):</p> <ul style="list-style-type: none"> <li>• Nitrogen balance</li> <li>• Balanced diet, SDA.</li> </ul> <p>Hemoglobin: Chemistry and metabolism:</p> <ul style="list-style-type: none"> <li>• Jaundice – Classification &amp; Evaluation</li> </ul> <p>Structural Components:</p> <ul style="list-style-type: none"> <li>• Muscular dystrophy</li> <li>• Connective tissue disorders.</li> </ul>	
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4	2015-2016	Fundamentals of Exercise Therapy	<ul style="list-style-type: none"> <li>• Syllabus restricted to fundamentals of Exercise therapy related to mechanics, biomechanics and kinesiology.</li> <li>• Yoga postures in the form of derived positions is instructed.</li> <li>• Additional emphasis related to yoga recommended in post-revision.</li> </ul>	<ul style="list-style-type: none"> <li>• Yoga introduced in first 2-3 moths of academic years.</li> <li>• Yoga included in daily routine practice for students.</li> </ul>	
6	2015-2016	Fundamentals of Electro Therapy	<ul style="list-style-type: none"> <li>• Syllabus includes medical electronics, topics on electricity, physics related to low, medium and high frequency currents is on regular basis.</li> <li>• Special emphasis as per practical applications recommended for post-revisions.</li> </ul>	<ul style="list-style-type: none"> <li>• Home Remedies point elaborated under importance, contraindications, and harrms.</li> <li>• Physics of heat and cold merged with Hot packs and cold packs.</li> <li>• Physical agents in rehabilitation Mitchell Cameron</li> <li>• The practical examination schedule was reorganized as follows,</li> <li>• Long Cases: Application Superficial agents – IRR, Hot Packs, PWB, Cryotherapy (35 Marks)</li> <li>• Short cases: Spots - 20 Marks / Testing of apparatus- 20 Marks</li> </ul>	
7	2015-2016	Pharmacology	<ul style="list-style-type: none"> <li>• General pharmacology, drugs and its action on different systems and vaccination is included in syllabus.</li> </ul>	<ul style="list-style-type: none"> <li>• The drugs related to doping added.</li> <li>• The topics removed from syllabus were drugs related to migraine, leucotriens, uterine pharmacology, plasma expanders.</li> <li>• The hours related to topics of anti-arrhythmic, anti psychotics, antidepressant, hypolipidimics, antimalignants were reduced.</li> <li>• Vaccination point transferred to Community, Sociology &amp; Biostatistics of 3<sup>rd</sup> year.</li> </ul>	

8	2015-2016	Pathology & Microbiology	<ul style="list-style-type: none"> <li>• Pathology restricted to theory syllabus.</li> <li>• Segregation of the observational related practical pathology slides is recommended in post-revision.</li> </ul>	<ul style="list-style-type: none"> <li>• A separate practical slot was granted.</li> <li>• Slides relevant to histopathology of musculoskeletal, neurological, cardiovascular, diabetes, respiratory were included.</li> </ul>	
9	2015-2016	Exercise Therapy	<ul style="list-style-type: none"> <li>• Complete syllabus related to posture, biomechanical principles and its application, physiological and therapeutic effects of therapeutic exercise and assessment methods to be dealt elaborately.</li> <li>• Segregation of repeated topics in other courses is recommended for post-revision.</li> </ul>	<ul style="list-style-type: none"> <li>• 6 minute walk test is removed due to overlapping with III BPT PDMS syllabus.</li> <li>• Elaboration of sub points under muscle strength: Manual Muscle Testing: - definition / Principles of MMT / Methods / Grades of MMT. Practical demonstration of upper limb, lower limb and spine muscles</li> <li>• Resisted Exercises: - Definition / Types/modes / Principles / Detail resisted training regimes.</li> <li>• Elaboration of sub points of mobilization: - definition / Principles / Types of mobilization / Grades.</li> <li>• Practical hours of biomechanics reduced to 25 hours.</li> <li>• Emphasize given on ball exercises in co-ordination and balance - neural control methods.</li> <li>• Expiratory / segmental- forced expiratory-coughing-huffing / modified inspiratory/ active cycle of breathing and humidification transferred to final year syllabus.</li> <li>• Elaboration of sub points in gait: Definition / Phases of gait cycle / Determinants of gait / Normal and abnormal gait patterns / Measurements for walking aids.</li> </ul>	

10	2015-2016	Electro Therapy	<ul style="list-style-type: none"> <li>• Low, medium and high frequency related therapeutics inclusive of biofeedback and actinotherapy is in the syllabus.</li> <li>• Application of therapeutic currents were included in syllabus.</li> <li>• Segregation as per therapeutic needs in recommended for post-revision.</li> </ul>	<ul style="list-style-type: none"> <li>• Application and Dosage added in TENS.</li> <li>• Biofeedback removed from II BPT Syllabus and added in PDMS of III BPT syllabus</li> <li>• LASER included as a separate topic along with its application.</li> <li>• Physical agents in rehabilitation Mitchell Cameron</li> <li>• The practical examination schedule was reorganized as follows,</li> <li>• Long Cases-: Low frequency currents, UVR, Conventional Electro diagnosis</li> <li>• Short Cases- : High TENS, Medium frequency currents.</li> </ul>	
11	2015-2016	Surgery & Orthopedics	<p>Traumatic injuries in common, metabolic disorders and cold orthopedics included in general.</p> <p>Syllabus and didactic lectures doesn't emphasis on soft tissue injuries, common trauma related to spine and extremities.</p>	<ul style="list-style-type: none"> <li>• he more emphasis was given to the Soft tissue injuries.</li> <li>• he traumatic injury of spine such as Whiplash of the cervical spine and Crush injuries of hand &amp; foot was added in the syllabus.</li> </ul>	
12	2015-2016	Medicine	<p>Syllabus includes clinical level vision and management of musculoskeletal, neurological, pulmonary, cardiovascular and rheumatologic conditions.</p> <p>Special emphasis given to cardiopulmonary investigations and principles of intensive care.</p> <p>Clinical portions related to epidemics of increasing renal problem is not emphasized in pre-revision.</p>	<ul style="list-style-type: none"> <li>• Renal failure added in the syllabus</li> </ul>	

13	2015-2016	Obstetrics & Gynecology	<ul style="list-style-type: none"> <li>• Normal and abnormal physiological events from menarche to menopause included in the syllabus.</li> <li>• Complications from prenatal to puerperium and management in brief.</li> </ul>	<ul style="list-style-type: none"> <li>• Modification of topic urogenital dysfunction to urogenital dysfunction (conservative &amp; surgical)</li> <li>• Specification of antenatal care topic to 3 trimester &amp; end of gestation period.</li> <li>• Pelvic inflammatory diseases &amp; associated Physical problems added.</li> </ul>	
14	2015-2016	Physical Diagnosis & Manipulative skills	<ul style="list-style-type: none"> <li>• Syllabus includes appropriate tools / instruments in musculoskeletal, neurological and cardiovascular conditions.</li> <li>• Basic therapeutic skills and principles related to above said conditions are included.</li> <li>• There is no special emphasis for preventive health aspects, trauma and fitness assessment.</li> </ul>	<ul style="list-style-type: none"> <li>• CIDH-II was replaced with ICF</li> <li>• Specification for the Special tests used in musculoskeletal assessment was done.</li> <li>• Response of soft tissues to trauma was added in the syllabus</li> <li>• Assessment of obesity (topic no. 12) included more detailed aspects of Assessment of Fitness &amp; Health.</li> </ul>	
15	2015-2016	Community Health Sociology and Biostatistics	<ul style="list-style-type: none"> <li>• General concepts and determinants of health and disease, public health issues and certain health related problems in vulnerable groups included in the syllabus.</li> <li>• Syllabus doesn't include contents of drug addiction, increasing epidemics of non-communicable diseases and occupational health conditions.</li> <li>• Biostatistics doesn't include practice sessions.</li> </ul>	<ul style="list-style-type: none"> <li>• Pregnant &amp; lactating women, Pelvic floor Dysfunction, Urinary incontinence was replaced with preventive medicine in obstetrics- ANC, intra natal &amp; PNC/ geriatric care was added.</li> <li>• Pre term babies, high risk infants, health problems of preschool children's, birth injuries, acquired and congenital disorders, infectious causes- TB meningitis, polio etc was added.</li> <li>• Occupational hazards &amp; diseases, injury prevention- UE/LE/spine (musculoskeletal &amp; cardiopulmonary), respiratory problems due to occupational hazards, CTD/minor &amp; major accidents was added.</li> </ul>	

				<ul style="list-style-type: none"> <li>• Nutritional disorders were added.</li> <li>• Genetic autoimmune &amp; hereditary neuromuscular disorders- overview added.</li> <li>• Addiction to drugs/ alcohol/ smoking and associated health problems topic modification.</li> <li>• Modification in point 6 to communicable diseases including prevention &amp; control.</li> <li>• Non communicable diseases- cardiovascular diseases, CHD, HTN, Stroke,</li> <li>• Modification of point 7 to National immunization program.</li> <li>• <b>Sociology :</b></li> <li>• Point 8 modified to culture/ religion and gender influences in rehabilitation practice</li> <li>• Role of social worker in diversified areas of rehabilitation was added.</li> <li>• <b>Biostatistics:</b></li> <li>• Practice sessions for simple data- graphs/ compiling data was added</li> </ul>	
16	2015-2016	Psychiatry	<ul style="list-style-type: none"> <li>• Various psychiatric conditions, its effects on motor and psychological behaviors and management approaches are included in syllabus.</li> <li>• Role of multidisciplinary approach is not emphasized in pre-revised syllabus.</li> </ul>	<ul style="list-style-type: none"> <li>• Role of team work in Psychiatric disorder added in syllabus:</li> <li>1. Physician</li> <li>2. Psychiatrist</li> <li>3. Clinical Psychologist.</li> <li>4. Physiotherapist.</li> <li>5. Psychiatric nurse.</li> <li>6. Care takers</li> </ul>	
17	2015-2016	Pediatrics	<ul style="list-style-type: none"> <li>• Common pediatric medical conditions inclusive of intrauterine growth and development.</li> <li>• Clinical examination</li> </ul>	<ul style="list-style-type: none"> <li>• Normal intra uterine development of fetus was shifted from desirable to know to must know area.</li> <li>• Common causes for developmental disorders like CDH, club foot, Kyphosis, scoliosis, Spina</li> </ul>	

			and differentiation of normal and abnormal reflexes included in clinical contains.	<p>bifida was added in the syllabus with previous topics.</p> <ul style="list-style-type: none"> <li>• Gullian barre syndrome was added in the syllabus.</li> <li>• Malnutrition related condition shifted to desirable to know area.</li> <li>• Learning disabilities disorders added in the syllabus</li> </ul>	
18	2015-2016	Physiotherapy in Musculoskeletal Condition	<ul style="list-style-type: none"> <li>• Syllabus doesn't include detailed content of joint arthroplastic surgeries and management in detail.</li> <li>• Burns management is not in detail.</li> </ul>	<ul style="list-style-type: none"> <li>• Joint replacement and its Physiotherapy Management was added in the syllabus with 2 hours theory and 5 hours of practical classes.</li> <li>• Fabrication of artificial joint components &amp; its properties was added.</li> <li>• Joint stiffness scars/ contractures muscle weakness management shortening followed by burns was added.</li> <li>• Nutritional deficiency disorders &amp; physiotherapy management (bone &amp; joints) was added in the syllabus.</li> </ul>	
19	2015-2016	Physiotherapy in Neurosciences	<ul style="list-style-type: none"> <li>• Assessment and management of neurological conditions in general is in the syllabus.</li> <li>• Application skills of neuro-rehabilitation and progression as per recovery stage in not emphasized.</li> </ul>	<ul style="list-style-type: none"> <li>• MRP was added in the syllabus.</li> <li>• In treatment programme along with bladder training bowel training was added in the syllabus.</li> <li>• Principles of neural recovery including motor learning Skill of sensory-motor learning &amp; neuro-muscular skeletal training was changed to Principals of Neuronal Plasticity, various concepts and treatment strategies with hours distribution of 2 hours theory and 5 hours practical's.</li> <li>• Specification of point Developing a philosophy for caring was done to Developing a philosophy for caring Paediatric/Adult/Geriatric and shifted from</li> </ul>	

				must know to nice to know area.	
20	2015-2016	Physiotherapy in General Medicine & Surgical conditions	<ul style="list-style-type: none"> <li>• General cardiovascular, pulmonary rehabilitation and peripheral vascular included in the syllabus.</li> </ul>	<ul style="list-style-type: none"> <li>• ACBT technique was added in the syllabus.</li> <li>• Assessment &amp; haemo-dynamics, of cardiac surgeries with patients of Heart Transplantation its ICU care management and physiotherapy treatment was included in the syllabus and the clinical hours assigned were 10 hours.</li> </ul>	
21	2015-2016	Physiotherapy in Community Health	<ul style="list-style-type: none"> <li>• Syllabus includes women's health, industrial health, geriatric health, occupational health and disability.</li> <li>• There is no emphasis on the compulsory training hours for rural camps and educational visits.</li> </ul>	<ul style="list-style-type: none"> <li>• Project work and outdoor activities was divided into health camps of 15 hours, industrial visit &amp; training of 5 hours &amp; project work of 20 hours with total 40 hours.</li> <li>• Fitness testing &amp; training for Normal individuals and sports persons was added in the syllabus</li> </ul>	
22	2015-2016	Ethics and Principles in Physiotherapy Practice	<ul style="list-style-type: none"> <li>• General principles and ethics related to physiotherapy practice are included in the syllabus.</li> </ul>	<ul style="list-style-type: none"> <li>• Newly added topic of governing body of Physiotherapy Profession state &amp; central level.</li> <li>• Modified referral ethics in the practice of Physiotherapy</li> </ul>	
23	2015-2016	M. P. Th. Musculo-skeletal Science	<ul style="list-style-type: none"> <li>• Investigation, assessment and management of all common musculoskeletal problems inclusive of soft tissue injury.</li> </ul>	<ul style="list-style-type: none"> <li>• Role of Physiotherapist for occasional sports persons added in the syllabus.</li> </ul>	
24	2015-2016	M. P. Th. Neuro Science	<ul style="list-style-type: none"> <li>• Investigation and assessment procedure of psychosomatic component in chronic cerebrovascular accident patients not included.</li> </ul>	<ul style="list-style-type: none"> <li>• Psycho physiological and Neuropsychological tests added in the syllabus</li> </ul>	
25	2015-2016	M. P. Th. Cardio - Pulmonary Science	<ul style="list-style-type: none"> <li>• General cardiovascular conditions ad physiotherapy procedures including ICU care included.</li> </ul>	<ul style="list-style-type: none"> <li>• Respiratory PNF was included in the syllabus.</li> <li>• CLRT (Continuous Lateral Rotation Therapy) was added in the syllabus</li> </ul>	
26	2015-	M. P. Th.	<ul style="list-style-type: none"> <li>• Additional emphasis</li> </ul>	<ul style="list-style-type: none"> <li>• Practical hours were changed from 600</li> </ul>	

			<p>(musculoskeletal &amp; cardiopulmonary), respiratory problems due to occupational hazards, CTD/minor &amp; major accidents was added.</p> <ul style="list-style-type: none"> <li>• Nutritional disorders were added.</li> <li>• Genetic autoimmune &amp; hereditary neuromuscular disorders- overview added.</li> <li>• Addiction to drugs/ alcohol/ smoking and associated health problems topic modification.</li> <li>• Modification in point 6 to communicable diseases including prevention &amp; control.</li> <li>• Non communicable diseases- cardiovascular diseases, CHD, HTN, Stroke,</li> <li>• Modification of point 7 to National immunization program.</li> <li>• <b>Sociology :</b></li> <li>• Point 8 modified to culture/ religion and gender influences in rehabilitation practice</li> <li>• Role of social worker in diversified areas of rehabilitation was added.</li> <li>• <b>Biostatistics:</b></li> <li>• Practice sessions for simple data-graphs/ compiling data was added</li> </ul>		
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	2016	Community Health	was not provided for industrial visits, on site training and rural health camps.	<p>hours to 500 hours.</p> <ul style="list-style-type: none"> <li>• Following topics were added in the syllabus with hours distribution:</li> <li>- Industrial visit &amp; training      25 hours.</li> <li>- Multi diagnostic rural health camps</li> </ul>	
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Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2015-2016	Basic B. Sc. Nursing	As per Previous Syllabus Newly added	-The finalized template of 75 marks for undergraduate program included four type of questions namely Long answer questions( LAQ), Short answer questions( SAQ), Brief Answer questions( BAQ) and Multiple Choice questions (MCQ).The valuation of 10 marks for a LAQ, 4 marks for a SAQ, 2 marks for a BAQ and 1 mark for a MCQ was finalized. The accepted draft of template consisted of 60 % of MUST KNOW area , 30 % of DESIRABLE TO KNOW area and 10 % of NICE TO KNOW area of learning having 80% of Level-I questions ( Knowledge , comprehension and application) and 20 % of Level -II questions ( Analysis, Synthesis and Evaluation) -Midterm examination to be set with similar valuation as that of pre-final examination w. e. f. academic year 2016-2017.	<p style="text-align: center;">KRISHNA INSTITUTE OF NURSING SCIENCES, KARAD</p> <p style="text-align: center;"><b>MINUTES OF THE BOARD OF STUDIES MEETING</b></p> <p>Minutes of the Board of Studies meeting of Krishna Institute of Nursing Sciences, Karad, held on Wednesday the 13<sup>th</sup> April, 2016 at 10.00 am at the KINS meeting hall at KIMSDU Campus, Karad.</p> <p>Resolution: The finalised template of 75 marks for undergraduate program included four type of questions namely Long answer questions (LAQ), Short answer questions (SAQ), Brief Answer questions(BAQ) and Multiple Choice questions(MCQ). The valuation of 10 marks for a LAQ, 4 marks for a SAQ, 2 marks for a BAQ and 1 mark for a MCQ was finalised. The accepted draft of template consisted of 60 % of MUST KNOW area , 30 % of DESIRABLE TO KNOW area and 10 % of NICE TO KNOW area of learning having 80% of Level-I questions ( Knowledge , comprehension and application) and 20 % of Level -II questions ( Analysis, Synthesis and Evaluation)<b>Apply to all subjects.</b></p> <p><b>1.3.1 :Resolution: It was resolved to prepare the templates for Basic B.Sc</b></p>
	2015-2016	Basic B. Sc. Nursing Anatomy & Physiology	As per Previous Syllabus Newly added	Anatomy & Physiology (37 + 38 marks), Nutrition and Biochemistry (45+30=75), Pharmacology- Pathology & Genetics (40+25+10), Nursing Research & Statistics (50+25) together have a weightage of 75 marks as per the accepted template.	
3	2015-2016	Nutrition & Biochemistry	As per Previous Syllabus Newly added	<b>Nutrition: (4101-13)</b> <b>UNIT I-(4 hrs)</b> Introduction : Food resources: uses & exploitation environmental effects of extracting & using, mineral resources: Food chain, food web and ecological pyramids (1Hr) (MK)	

				<p><b>UNIT-VII -(4 hrs)-</b> Food resources: uses &amp; exploitation environmental effects of extracting &amp; using mineral resources, case studies (1Hr) (DK)</p> <p><b>UNIT-IX - (5hrs) -</b> Visit to hospital pantry (2hrs) (MK). Above all topics are newly added in above given units &amp; Hrs were adjusted from the same unit.</p>	<p><b>nursing Program for the combined subjects</b> like Anatomy &amp; Physiology ( 37 + 38 marks), Nutrition and Biochemistry (45+30=75), Pharmacology-Pathology &amp; Genetics (40+25+10), Nursing Research &amp; Statistics ( 50+25) together having a weightage of 75 marks as per the accepted template .</p> <p><b>1 Resolution:</b> It was proposed &amp; resolved by the members of BOS that <b>10-12% revision</b> for 1st yr. Basic B.Sc. (N) in subject of <b>Nutrition</b>.</p> <p><b>3.4.2: Resolution:</b> It was proposed &amp; resolved by the members of BOS that <b>10-12% revision for 1st yr.</b> Basic B.Sc. (N) in subject of <b>Psychology</b></p> <p><b>3.4.3: Resolution:</b>It was proposed &amp; resolved by the members of BOS that <b>10-12% revision</b> for 2<sup>nd</sup> yr. Basic B.Sc. (N) in subject of <b>Sociology</b></p> <p>3.4.4: Resolution: It is resolved by the members of BOS that for 3<sup>rd</sup>yr B B.Sc. (N) in subject of Introduction to nursing research&amp; Statistics.</p> <p>3.2.1 <b>Resolution:</b> The Global Fund For Aids, Tuberculosis and Malaria (GFATM) program of INC was proposed and thereby resolved to be incorporated in the syllabus of Medical Surgical Nursing as, 'TRAINING FOR HIV &amp; A.R.T.', a 30</p>
4	2015-2016	Psychology	As per Previous Syllabus Newly added	<p><b>Psychology: (4101-14)</b></p> <p><b>UNITVI-(6Hrs)Developmental psychology -</b> Grief process -(1hr) (MK), People at high risk for Grief(1hr)(MK), Abnormal Grief process, nursing role for caring patient with grief(1hr)(MK),Physiological and psychological changes during Grief (1hr) )(DK) This topics were newly added in Unit No - Hrs are adjusted with previous topics in the same unit.</p>	
5	2015-2016	Sociology	As per Previous Syllabus Newly added	<p><b>Sociology:(4101-21)</b></p> <p><b>UNIT II (1hrs)Human rights</b> MK,</p> <p><b>UNIT- V (1HR)Population Growth ,Variation</b> Among Nations DK,</p> <p>UNIT XI -(1HR)Role of information technology in environment and human health DK.</p> <p><b>UNIT XII-(1 hrs) Social issues and environment:</b> unsustainable to sus development Urban problems related to energy, resettlement and rehabilitation of people, its problems and concerns. (1 hrs) MK wasteland reclamation, public awareness. (1 hr)NK.</p>	
6	2015-2016	Nursing Research &	As per Previous	<p><b>Introduction To Nursing Research&amp; Statistics:(4101-34)</b></p>	

		Statistics	Syllabus Newly added	<b>UNIT I</b> :(1Hr) Research Terminology (MK), Respect for cultural diversity and pluralism vulnerable populations, protection and gender disparity related to Bio ethics (1Hr) (DK), Research ethics and scientific misconduct benefit and harm (Bio ethics) (1Hr) (DK), Problem solving (1 Hr.) (NK), Types of tools/instruments (1Hrs) (NK) - This topics were newly added in above mentioned Units & Hrs were adjusted from the same units.	hours program for Final year Basic B.Sc Nursing students during their internship hours and for the Post Basic B.Sc Students in the second year <b>3.3 Resolution:</b> The Cardio Pulmonary Resuscitation module was proposed and thereby resolved to be incorporated for the M.Sc. nursing Students as a part of the subject of Advance nursing Practice giving required weight age of 4 hours Theory and 4 hours Practical experience.
7	2015-2016	<b>Medical Surgical Nursing</b>	As per Previous Syllabus Newly added	-The Global Fund for Aids, Tuberculosis and Malaria (GFATM) program of INC was proposed and thereby resolved to be incorporated in the syllabus of Medical Surgical Nursing as, 'TRAINING FOR HIV & A.R.T.', a 30 hours program for Final year Basic B.Sc Nursing students during their internship hours and for the Post Basic B.Sc Students in the second year. -The Cardio Pulmonary Resuscitation module was proposed and thereby resolved to be incorporated for the M.Sc. nursing Students as a part of the subject of Advance nursing Practice giving required weight age of 4 hours Theory and 4 hours Practical experience.	
8	2015-2016	Nursing Management Of Nursing Services & Education : (4101-43)	As per Previous Syllabus Newly added	<b>Unit III</b> (1hr) Absenteeism (MK), Preparation of evaluation tool to assess the patient care. (1hr)(MK) <b>Unit VI:</b> (1hr)Introduction to NACC, NABL, NABH, ISO MK <b>Unit VII:</b> (1hr)(Educational visit 6 hrs. These topics were newly added in above mentioned Units & Hrs was adjusted from the same units.	
9	2015-2016	Post Basic B. Sc. Nursing	As per Previous	Nursing Foundation( 35 marks) , Nutrition and dietetics(35marks), Biochemistry & Biophysics (	

		Nursing Foundation	Syllabus Newly added	37 + 38 marks), Introduction to Nursing Research & Statistics (35 + 15 marks)
10	2015-2016	Nutrition & Dietetics	As per Previous Syllabus Newly added	<p><b>Nutrition:</b></p> <p><b>UNIT-I</b> Food pyramid (1Hr) (MK),</p> <p><b>UNIT-II</b> Role of nurse in diet therapy. (1Hr) (MK)</p> <p><b>UNIT-IV:</b> Dietary needs of Immunocompromised patients (1 Hr) (DK) Above topics were newly added in total three units &amp; hours were adjusted from similar units.</p>
11	2015-2016	Medical Surgical Nursing	As per Previous Syllabus Newly added	<p>The Global Fund For Aids, Tuberculosis and Malaria (GFATM) program of INC was proposed and thereby resolved to be incorporated in the syllabus of Medical Surgical Nursing as, 'TRAINING FOR HIV &amp; A.R.T.', a 30 hours program for Final year Basic B.Sc Nursing students during their internship hours and for the Post Basic B.Sc Students in the second year.</p> <p>The Cardio Pulmonary Resuscitation module was proposed and thereby resolved to be incorporated for the M.Sc. nursing Students as a part of the subject of Advance nursing Practice giving required weight age of 4 hours Theory and 4 hours Practical experience.</p>
12	2015-2016	Introduction to Nursing Service Administration	As per Previous Syllabus Newly added	<p><b>Introduction To Nursing Administration:</b></p> <p><b>UNIT-I</b> (1Hr.) Principle and practice of administration: topic of Office management. (1 hrs) shifted from MK to NK domain, Unit No. I (1Hr.) Principles and practice e of administration: topic of Concept of cost effectiveness. (1hr) shifted from MK to DK domain.</p>

				<p><b>UNIT- II (1Hr.)</b> Nursing unit management: topic of Patient assignment, safety measures. Prevention of accidents and infections (1 hrs) shifted from MK to DK domain,</p> <p><b>UNIT- III (1Hr.)</b> Personnel management- topic of Rotation plan, (1hr) shifted from MK to NK domain</p> <p><b>UNIT -V (1Hr)</b> Material Management - topic of Inventory methods (1 hrs) shifted from DK to NK domain.,</p> <p><b>UNIT-VI (1Hr)</b> Financial management: topic of Reports. (1hrs) shifted from MK to DK domain.</p>	
13	2015-2016	Introduction to Nursing Research & Statistics (CEX)	As per Previous Syllabus Newly added	<p><b>Introduction To Nursing Research&amp; Statistics:</b></p> <p><b>UNIT- I (1Hr)</b> Evidence based practice. (1 Hr.) DK,</p> <p><b>UNIT- II -</b> Preparation of 10 research problem statement (1 Hr.)DK, Searching of review of literature on internet (1 Hr.)NK, This topics were newly added in above mentioned Units &amp; Hrs are adjusted from</p> <p><b>UNIT- III -2 Hr,UNIT IV 1 Hr.</b></p>	
14	2015-2016	Sociology	As per Previous Syllabus Newly added	<p><b>Sociology:</b></p> <p><b>UNIT II-</b> Natural Resources, Landslides, soil erosion and desertification, Role of an individual in conservation of natural resources. (1hrs)MK,Equitable use of resources for sustainable lifestyles (1 hrs) DK,</p> <p><b>UNIT: IV -</b> Biodiversity and its conservation, Biodiversity at global, National and local levels. India as a mega-diversity nation. (1 hrs)</p> <p><b>UNIT- VI-</b> Social Issues and the Environment,</p>	

				<p>Environment Protection Act. Air (Prevention and Control of Pollution) Act. (1hrs) Wildlife Protection Act, Forest Conservation Act, Issues involved in enforcement of environmental legislation. Public awareness (1hrs) MK, Water (Prevention and control of Pollution) Act (1hrs) NK. These topics were newly added in above mentioned Units &amp; Hrs are adjusted from the same unit.</p>	
15	2015-2016	M. Sc. Medical Surgical Nursing	As per Previous Syllabus Newly added	<p>Nursing Research And Statistics (50 + 25= 75 marks).</p> <p><b>Nursing Research &amp; Statistics:</b></p> <p><b>UNIT I - (1 Hrs)</b> Clarify personal and professional values and recognize their impact on decision making and professional behavior.</p> <p><b>UNIT III (3 Hrs)</b> 1. Identify the significant values of the profession through a value clarification process. , Compare and contrast the concepts of moral obligation, legal obligation and ethical obligation. ,Discuss the relationship of the caring ethic to the profession of nursing,, Discuss the potential impact of nurses' personal values regarding the decisions and behavior of individuals on the delivery of nursing care.</p> <p><b>UNIT II ( Hrs)</b>- Apply the Code for Nurses and other professional guidelines to clinical practice and research. , Discuss the interpretive statements of the American Nurses Association Code for Nurses. Understand the non-negotiable character of the Code for Nurses, Review and discuss position statements on ethical issues that have</p>	

			<p>been developed and disseminated by professional nursing organizations, Discuss cases derived from clinical practice with an emphasis on how professional ethical codes or position statements may apply, Select a clinically useful ethical decision-making framework that incorporates moral concepts, professional ethics, and law and respects diverse values and beliefs.</p> <p><b>UNIT -IV (3 Hrs)</b> 1. Describe the relationship between ethical theory, ethical decision-making frameworks and nursing practice. , Discuss ethical theories and principles involved in contemporary bioethics. Compare and contrast various models of ethical decision-making and apply to individual nursing practice. ,Discuss the use of communication, negotiation, and mediation skills in the ethical decision making process</p> <p><b>UNIT VI (3 Hrs)</b> 1. Discuss the interpretive statements of the American Nurse’s Association Code for Nurses. 2. Understand the non-negotiable character of the Code for Nurses. 3. Review and discuss position statements on ethical issues that have been developed and disseminated by professional nursing organizations. , Discuss cases derived from clinical practice with an emphasis on how professional ethical codes or position statements may apply</p> <p><b>Nursing Management:</b></p> <p><b>Unit II</b> - Application to nursing service &amp; education.(1Hrs)(MK)</p> <p>Unit IV - Application to nursing service &amp;</p>	
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			<p>education.(2Hrs)(MK)</p> <p><b>Unit V</b> - Applications to nursing service and education. (2Hrs) (MK)</p> <p>Unit VIII -Application to nursing service &amp; education. (2Hrs) (NK)</p> <p><b>Unit IX-</b> Application to nursing service &amp; education (2Hrs)(NK)</p> <p>Unit XI- Applications to nursing service and education (2Hrs) (NK) Above all topics were shifted from NK to MK in similar unit.</p> <p><b>Unit VII</b> - Application to nursing service and education (2Hrs) (MK) This topic is shifted from DK to MK in similar unit.</p> <p><b>Unit X</b> - Use of computers in hospital and community (2Hrs) (NK), This topic is newly added &amp; Hrs were adjusted from the same unit. The finalized template of 75 marks for postgraduate program included two type of questions namely Long answer questions( LAQ), Short answer questions( SAQ).The valuation of 10 marks for a LAQ, 5 marks for a SAQ was finalized. The accepted draft of template consisted of 60 % of MUST KNOW area , 27 % of DESIRABLE TO KNOW area and 13 % of NICE TO KNOW area of learning having 80% of Level-I questions (Knowledge , comprehension and application) and 20 % of Level –II questions ( Analysis, Synthesis and Evaluation)</p>	
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Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1.	2015-2016	M. Sc. Biotechnology Foundation of Biochemistry for Biotechnologist	<b>Topic No and the Topic:</b> (1) Atoms and Elements (1) (2) The major elements of Life and their primary Characteristics (1) (4) Water (3) (5) Chemistry of carbon and organic compounds (2)	1. Some fundamental of Biochemistry (7) (i) Biochemical studies- aims & designs of biochemical investigations . (ii) Units of measurements- i) SI units- expressions of concentrations, solutions, calculations of molarity.  (iii) Ionic strength & calculations of ionic strength. (iv) Weak electrolytes- ionization of weak acids & bases. (v) Buffer solutions, their nature & preparations.	Faculty of Allied Sciences  From Minutes of Meeting of Board of Studies in Biotechnology and Microbiology held on Wednesday, the 16 <sup>th</sup> March, 2016 at 12.00 noon at Faculty of Allied Sciences, KIMSUDU, Karad. <b>Item (iii)</b> Consideration of the resolutions of the College Curriculum Committee Meeting held on 25 January, 2016 at 10:00 a.m.
2	2015-2016	Cell Biology and Biostatistics	<b>Topic No and the Topic:</b> (2) The Cell (1) (3) Methods for determining microbial evolution (1)	(i) Study of Statistical softwares –Excel , SPSS (2)	<b>Resolutions:</b> Resolutions passed in the meeting of College Curriculum Committee held on 25 <sup>th</sup> January 2016 at 10.00 a.m. regarding the revision of the syllabi in M. Sc. Biotechnology and M. Sc. Microbiology courses were discussed and approved and following resolution were passed.
3	2015-2016	Microbiology and Immunology-I	(3) Prokaryotic and Eukaryotic cells (2) (5) Anatomy and cytology of typical prokaryotic cell (3)	(i) Cell Signaling and Trafficking (5)	
4	2015-2016	Practical course I	<b>Topic No and the Topic:</b> (1) Simple staining (3) (4) Yeast ascospore staining (3) (11) Isolation of actinomycetes	(i) Capsule staining (3)  (ii) Characterization of bacterial culture by special test – IMViC test, Gelatin hydrolysis test, Starch hydrolysis test, Fat hydrolysis test, Casein	<b>Resolutions:(iii) 1)</b> Resolved that syllabi in M. Sc. Biotechnology and M. Sc. Microbiology course be

			from soil (6)	hydrolysis test, H <sub>2</sub> S production, Urea hydrolysis test. (9)	revised with in all 10% changes in the syllabus and the changes in the content of the syllabus ( addition/deletion of topics and or sub topics/ weightage of lecture periods / practical periods etc.) be made as shown in the Annexure I and draft of the revised syllabi as shown in Annexure II and Annexure III be accepted .
5	2015-2016	Practical course II	<b>Topic No and the Topic:</b> (1) Measurement of pH (3) (2) Preparation of Buffers (3) (3) Working of colorimeter and verification of Beer's and Lambert's law. (3)	(i) Determination of Proline content in plant leaves. (3) (ii) Estimation of lysine. (3) (iii) Estimation of tryptophan (3)	
6	2015-2016	Foundation for use of Computers, Communications, Scientific Writing and Presentation	<b>Topic No and the Topic:</b> (i) Introduction to Bioinformatics (3)	(i) Nature, scope and functions of communications. (2) (ii) Interview skill (1)	<b>Resolutions:(iii) 2)</b> Resolved further that revised syllabi be implemented with effect from the academic year 2016-2017 in a phase manner.
7	2015-2016	Practical course III	<b>Topic No and the Topic:</b> (9) Determination of TSH in serum - Demonstration (3) (16) Carcinoembryonic antigen assay (CEA) TEST - Demonstration. (3)	(i) Detection of $\beta$ - Lactamase activity in bacterial isolates. (6)	
8	2015-2016	Practical course IV	<b>Topic No and the Topic:</b> (13) Immunomodulations. (3) (16) Spheroplast & protoplast fusion in yeast cell. (3) (17) Galactose transport in yeast (3)	(i) Synthesis of inducible enzyme Beta galactosidase in E.coli (3) (ii) Spectrophotometric determination of nucleic acid purity and concentration (3) (iii) Fluorescent quantification of DNA (3)	

9	2015-2016	Bioinformatics for Biotechnologist	<b>Topic No and the Topic:</b> (2) Programming languages: Basics of "C" (6)	(i) Introduction to Bioinformatics (3) (ii) Phylogenetic analysis (3)	
10	2015-2016	Environmental Biotechnology	<b>Topic No and the Topic:</b> (4) Plant pathogens (3)	(i) ISI ( Indian Standard Institute) Specification for drinking water (1) (ii) CPCB( Central pollution control board)standards for discharge of treated of waste water effluents. (2)	
11	2015-2016	Practical course V	<b>Topic No and the Topic:</b> (3) (viii) Pollen culture (3)	(i) Isolation of plant DNA using CTAB extraction method (3)	
12	2015-2016	Practical course VI	<b>Topic No and the Topic:</b> (10) Production of wine from grapes / fruits. (6)	(i) Demonstration of indole acetic acid(IAA) production by soil fungi (6)	
13	2015-2016	Enzyme Technology	<b>Topic No and the Topic:</b> (6) Isoenzymes (2)	(1) Applications of Enzymes in food industry (2)	
14	2015-2016	Practical course VII	<b>Topic No and the Topic:</b> Subculture of semi - adherent cell lines. (6) Subculture of Suspension Cell line (3)	(i) Southern blotting (3) (ii) Northern blotting (3) (iii) Electrophoresis of RNA (3)	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2015-2016	M.Sc. Microbiology Foundation of Biochemistry for Microbiologist	<b>Topic No and the Topic:</b> (1) Atoms and Elements (1) (2) The major elements of Life and their primary Characteristics (1) (4) Water (3) (5) Chemistry of carbon and organic compounds (2)	1. Some fundamentals Biochemistry- (i) Biochemical studies- aims & designs of biochemical investigations. (ii) Units of measurements-i) SI units- expressions of concentrations, solutions, calculations of molarity. (iii) Ionic strength & calculations of ionic strength. (iv) Weak electrolytes- ionization of weak acids & bases. (v) Buffer solutions, their nature & preparations. (7)	Minutes of Meeting of Board of Studies in Biotechnology and Microbiology held on Wednesday, the 16 <sup>th</sup> March, 2016 at 12.00 noon at Faculty of Allied Sciences, KIMSUDU, Karad. <b>Item (iii)</b> Consideration of the resolutions of the College Curriculum Committee Meeting held on 25 January, 2016 at 10:00 a.m. <b>Resolutions:</b> Resolutions passed in the meeting of College Curriculum Committee held on 25 <sup>th</sup> January 2016 at 10.00 a.m. regarding the revision of the syllabi in M. Sc. Biotechnology and M. Sc. Microbiology courses were discussed and approved and following resolution were passed. <b>Resolutions:(iii) 1)</b> Resolved that syllabi in M. Sc. Biotechnology and M. Sc. Microbiology course be revised with in all 10% changes in the syllabus and the changes in the content of the syllabus (
2	2015-2016	Biochemical, Biophysical Immunochemical and Microbiological Techniques	<b>Topic No and the Topic:</b> 1. (e) Fungal and algal toxins (3) (2) Pattern of Diseases (3)	(i) Cytokines, chemokines and their receptors (4) (ii) Cell signaling and Trafficking (2)	
3	2015-2016	Practical course I	<b>Topic No and the Topic:</b> (7) Demonstration of Microbial interactions (9) - (i) Mutualism (ii) Commensalism (iii) Syntrophism (iv) Amensalism (Antagonism) (v) Parasitism (vi) Synergism (Protocooperation)	(i) Isolation of psychrophilic bacteria (6) (ii) Isolation of osmophilic yeast and bacteria (3)	

					addition/deletion of topics and or sub topics/ weightage of lecture periods / practical periods etc.) be made as shown in the Annexure I and draft of the revised syllabi as shown in Annexure II and Annexure III be accepted . <b>Resolutions:(iii) 2)</b> Resolved further that revised syllabi be implemented with effect from the academic year 2016-2017 in a phase manner.
4	2015-2016	Practical course II	<b>Topic No and the Topic:</b> (12) Measurement of pH (3) (13) Preparation of Buffers (3) (14) Working of colorimeter and verification of Beer's and Lambert's law. (3)	(i) Determination of acid value of fat (3) (ii) Determination of saponification value of fat (3) (iii) Determination of iodine number of fat (3)	
5	2015-2016	Practical course III	<b>Topic No and the Topic:</b> (2) Galactose transport in yeast (3) (5) Detection of respiratory deficiency in yeast (6)	(i) Synthesis of inducible enzyme Beta galactosidase in E.coli (3) (ii) Detection of $\beta$ -Lactamase activity in bacterial isolates. (3) (iii) Demonstration of chemotaxis in bacteria (3)	
6	2015-2016	Practical course IV	<b>Topic No and the Topic:</b> (7) Technique of protoplast fusion in bacteria (3) (14) Technique of spheroplast and protoplast fusion in yeast (3)	(i) Bacterial conjugation (6)	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1.	2018-2019	Bachelor of Medicine & Surgery (MBBS) Anatomy	Revised Syllabus as per 15-16 was there.	MCI advocated <b>CBME Programme</b> was implemented.	<p><b><u>Dept. of Anatomy Minutes of Board of Studies Meeting</u></b></p> <p>A meeting of members of B.O.S. was held in Dept. of Anatomy, on 21<sup>st</sup> February, 2019 at 10 am.</p> <p><b><u>UG (MBBS) CURRICULUM</u></b></p> <p>It was resolved to implement New MCI competency based syllabus from -July - 2019</p>
2.	2018-2019	Bachelor of Medicine & Surgery (MBBS) Physiology	Revised Syllabus as per 15-16 was there.	MCI advocated <b>CBME Programme</b> was implemented.	<p><b><u>Minutes Of Board Of Studies Meeting</u></b></p> <p>A meeting of members of Board of studies was held in Department of Physiology, on 5<sup>th</sup> March 2019 at 11.30a.m.</p> <p>New competency based undergraduate curriculum laid down by MCI was discussed in detail. As it is to be implemented from July 2019, it was decided to start the ground work for implementation of</p>

					new curriculum.
3.	2018-2019	Bachelor of Medicine & Surgery (MBBS) Biochemistry	Revised Syllabus as per 16-17 was there.	MCI advocated <b>CBME Programme</b> was implemented.	<p>DEPARTMENT OF BIOCHEMISTRY, KIMS, KARAD.</p> <p><u>MINUTES OF THE MEETING OF BOARD OF STUDIES HELD ON 11-03-2019</u></p> <p>The meeting of Board of Studies, Biochemistry was held on 11.03.2019 at 11.30 A.M. in the seminar room of department of Biochemistry, K.I.M.S ,</p> <p>MCI advocated <b>CBME Programme</b> was implemented</p>
4.	2018-2019	Pharmacology	Drug administration by using manikins was not present. E - learning of Therapeutic Problems using SAAKI portal was absent. Group discussions on emergency tray management and self medication was absent Computer assisted learning for banned drugs and drug combinations New viral infections	To be introduced Lecture converted to seminar/ SGD	<p>The Board of Studies meeting in subject of Pharmacology was held on 21/02/2019 at 11.00 am in department of Pharmacology KIMS Karad.</p> <p>Introduction of hands on practice of drug administration by various routes using manikins Introduction of e - learning and use of SAAKI Portal for problem solving Introduction of topic like Emergency Tray (Group discussion) Banned drugs(CAL) Management of new viral infections</p>



					Self medication
5.	2018-2019	Pathology	Flipped classroom method of teaching was not used for these topics.	<p>Classify, differentiate between different types of Hypersensitivity reactions.  Mechanisms of autoimmunity and diagnose common autoimmune diseases; overview of SLE  Carcinogenicity of Various Chemicals causing soil, air water pollution due to improper waste disposal (Industrial/ Domestic) etc as recent health hazards.  Newer risk factors with clinical relevance for Atherosclerosis.  occupational lung disease and its sequelae.  Importance of environmental pathology  Health hazards of air pollution on Respiratory System.  USG guided FNAC, CT guided FNAC  Images &amp; Guided needle core biopsy as Demonstrations.  Pathological effects of soil, air &amp; water pollution on GIT &amp; hepatobiliary system  HPV vaccine for prevention of Ca cervix. Approach to patient with Breast lump &amp; utility f Needle Core Biopsy.  IHC Markers ER PR &amp; Her 2 neu.  Hypersensitivity Reactions  Diabetes Mellitus Autoimmune Diseases  Hypertension Flipped classroom Problem based learning  Case based learning</p> <hr/> <p>Theory- MCQ, BAQ, SAQ.LAQ  Practicals and specimens:  DM: Table exercise</p>	<p>The meeting of Board of Studies in the Subject of Pathology was held on Saturday 16-02-2019 at 11.30 A.M. in the Seminar room of the Department of Pathology. Following topics will be added in UG Curriculum -</p> <ul style="list-style-type: none"> <li>• Climate change, global warming and related health hazards &amp; Health Hazards of Waste Management.</li> <li>• Various procedures – guided FNAC, Bone Marrow Biopsy &amp; Needle Core Biopsy.</li> </ul>
6.	2018-2019	Microbiology	General Microbiology didactic lectures of 13 hours has been made 12 hrs and 1 hr. lecture has	Hospital Acquired infection & Antimicrobial stewardship	The meeting of Board of Studies in the subject of Microbiology was held on 20-

			been added in Systematic bacteriology making it 28 hours from 27 hrs	(1 hr)	02-2019 at 11.30 a.m.in the department of Microbiology. Changes in UG curriculum is made as regards to "Antibiotic Stewardship" being introduced in Lecture and Practicals schedule programme 3. Discussion was made as regards to Competency based UG curriculum as per MCI
7.	2018-19	FMT	As per previous syllabus Newly added	1. Attitude and communication. 2. Professionalism 3. Medical Records, importance, preservation, retrieval, archival, EMR. 4. Reconstruction of road traffic accidents.	DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY Minutes of the Board of Study Meeting held on 30-01-2018: MCI guidelines, REGULATIONS ON GRADUATE MEDICAL EDUCATION, 1997, (AMENDED UPTO JULY 2017) that 'weightage for the internal assessment shall be 20% of the total marks in each subject'
8.	2018-2019	Community Medicine	As per previous syllabus Newly added	- 'E-waste disposal'  - T/L - Lecture - Must know category - level I difficulty evaluation will be with environmental health in  E-waste disposal - Telemedicine in public health - T/L - Lecture	The B.O.S. of Community Medicine of Krishna Institute of Medical Sciences, was held on 16.02.2019 at 11.00 a.m. in the office of KIMS, Karad . use of electronic material/media whole world has come at the tip of finger/click. So the abundance of information we are getting within no time. It has helped us in research leading to

				<ul style="list-style-type: none"> <li>- Cognitive domain</li> <li>- Must know category</li> <li>- Level II difficult,</li> </ul> Assessment – F.A. & S.A	development of mankind & now we can not stop it now. At the same time with uncontrolled use of electronic material without taking any efforts for it's sanitary waste disposal has led a major environmental hazard affecting not only human being but other living organisms also which leads to loss of ecological balance
9.	2018-2019	ENT	Journal writing compulsory at the end of UG clinical postings. Sleep apnoea	<ul style="list-style-type: none"> <li>-- Tracheostomy, endoscopies</li> <li>-- Conduct CPR</li> <li>-- Ear syringing in retrieval of F.B. of EAM</li> </ul>	<p>Department of Otorhinolaryngology (ENT)          Minutes Of BOS Meeting 2018-2019</p> <p>competency based curriculum addition of new topics in UG syllabus was discussed and resolved to add topics as below,</p> <ul style="list-style-type: none"> <li>➤ Sleep apnoea syndrome,</li> <li>➤ Early detection of neonatal deafness and role of cochlear implant.</li> </ul> <p>It was further discussed and resolved to add competency skills in UG syllabus as below,</p> <ul style="list-style-type: none"> <li>➤ Performing CPR in emergency situation</li> <li>➤ Establishment and maintenance of the Airway</li> <li>➤ Ear syringing in retrieval of F.B. of EAM</li> </ul>

					➤ Performing of anterior and post nasal packing in Epistaxis as first aid during this emergency.
10.	2018-2019	Ophthalmology	As per previous Syllabus Newly added	<ul style="list-style-type: none"> <li>• Didactic lecture added for Ocular manifestations of diabetes other than Diabetic Retinopathy.</li> <li>• Didactic lecture added for Lasers in Ophthalmology</li> </ul>	<p>DEPARTMENT OF OPHTHALMOLOGY MINUTES OF THE MEETING OF THE BOS OPHTHALMOLOGY FACULTY HELD ON 26TH February 2019</p> <p>Modification in UG Syllabus</p> <ul style="list-style-type: none"> <li>• Two Didactic lectures added for UG Students. <ul style="list-style-type: none"> <li>i) Ocular manifestations of diabetes other than Diabetic Retinopathy.</li> <li>ii) Lasers in Ophthalmology.</li> </ul> </li> </ul> <p>One lecture on neuro-ophthalmology and one lecture on orbit were deducted.</p>
11	2018-2019	General Medicine	<ol style="list-style-type: none"> <li>1. BLS And ACLS (Basic life support, Advanced cardiac life support)</li> <li>2. Attitude and Communication skills, Medical ethics, professionalism</li> <li>3. Medical problems in pregnancy</li> <li>4. Introduction to Evidence based medicine (EBM)</li> </ol>	<ol style="list-style-type: none"> <li>1. BLS And ACLS (Basic life support, Advanced cardiac life support)</li> <li>2. Attitude and Communication skills, Medical ethics, professionalism</li> <li>3. Medical problems in pregnancy</li> <li>4. Introduction to Evidence based medicine (EBM)</li> </ol> <p><b>Was included</b></p>	<p>The meeting of <b>Board of Studies</b> (BOS) was conducted on <b>11<sup>th</sup> Feb 2019</b> in Department of Medicine. Changes in curriculum for under graduate medical course part III.</p> <ul style="list-style-type: none"> <li>• BLS and ACLS (Basic life support, Advanced cardiac life support)</li> <li>• Attitude and Communication skills, Medical ethics,</li> </ul>

			<b>Was Not Included</b>		Professionalism <ul style="list-style-type: none"> <li>• Medical problems in pregnancy</li> <li>• Introduction to Evidence based medicine(EBM)</li> </ul>
12	2018-2019	General Surgery	As per previous Syllabus Newly added	<ol style="list-style-type: none"> <li>1. BLS and ACLs ( Basic life support, Advanced cardiac life support</li> <li>2. Attitude and Communication Skills, Medical ethics, Professionalism</li> <li>3. Introduction to Evidences based medicine (EBM)</li> <li>4. Emergency Surgery</li> <li>5. Tissue Engineering and Regeneration</li> <li>6. Basic Surgical skills and Anastomosis</li> <li>7. Principles of laparoscopic &amp; Robotic Surgery</li> <li>8. Day Care Surgery</li> <li>9. Nutrition and Fluid therapy</li> <li>10. Tropical Infections and Infestation</li> <li>11. Principles of Oncology</li> <li>12. Human Factors, Patient Safety and Quality Improvement</li> <li>13. GI Endoscopy</li> <li>14. Pre and Post Operative Care</li> </ol>	<b>DEPARTMENT OF SURGERY - MINUTES OF BOS- February - 2019</b> The meeting of Board of studies Department of surgery was held on Thursday 21 <sup>st</sup> February, 2019 at 11.00 am in the Surgery Department.
13	2018-2019	Obs./Gyn.	As per previous Syllabus Newly added	<b>U.G. Curriculum :-</b> <ol style="list-style-type: none"> <li>1.Changing concepts in abnormal uterine bleeding – PALM-COEIN Classification.</li> <li>2.POPQ- Pelvic Organ Prolapse Quantification</li> <li>3. Prenatal Screening &amp; Diagnosis</li> </ol>	<b><u>MEETING MINUTES OF THE BOARD OF STUDIES</u></b> The meeting of the Board of Studies was held on 28 <sup>th</sup> February, 2019 in the Department office, KIMS, Karad at 11:00am <b>U.G. Curriculum :-</b> Changing concepts in

					abnormal uterine bleeding – PALM-COEIN Classification. POPQ- Pelvic Organ Prolapse Quantification Prenatal Screening & Diagnosis
14	2018- 2019	Pediatrics	<b>Integrated Seminar Topics</b> - Convulsions - Coma	- Childhood Obesity Management of Comatose child New emerging viral diseases Peritoneal dialysis indication, contraindication and complication Adolescence health problems in theory & practical	<b><u>DEPARTMENT OF PEDIATRICS</u></b> KIMS/PED/1237/2019 Date:-25.02.2019 <b><u>Minutes of Meeting of Board of Studies-18.02.2019</u></b> Addition & deletion of topics for U.G. curriculum:  Adolescence Health Problems in theory & practical  New Emerging Viral Diseases Childhood Obesity Management of Comatose child  Peritoneal dialysis indication, contraindication and complication

Sr. No	Year	Programme name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2018-2019	M.D. Anatomy	As per previous syllabus Newly added	NMC programme was implemented	<p><b><u>Dept. of Anatomy Minutes of Board of Studies Meeting</u></b></p> <p>A meeting of members of B.O.S. was held in Dept. of Anatomy, on 21<sup>st</sup> February, 2019 at 10 am.</p> <p><b><u>PG ( MD, ANATOMY)</u></b></p> <p><b><u>CURRICULUM :-</u></b></p> <ol style="list-style-type: none"> <li>1) Organ Donation – 1 Lecture</li> <li>2) Value &amp; Ethics – 2 Lectures</li> <li>3) Clinical exposure – To Surgery, Orthopaedics,</li> <li>4) Slide preparation – with special stains PAS, Alcian blue 2.5, 1.5 pas with Diastase.</li> <li>5) Hands on training for Embalming – Wax Embalming &amp; preparation of Museum specimen.</li> </ol>

2.	2018-2019	M. D. Physiology	As per previous syllabus Newly added	<b>MD Syllabus was implemented as per the MCI/NMC guidelines.</b>	A meeting of members of Board of studies was held in Department of Physiology, on 5 <sup>th</sup> March 2019 at 11.30a.m.  MD Syllabus was implemented as per the MCI/NMC guidelines
3	2018-2019	M. D. Pathology	Andrology Update was not included.	<ul style="list-style-type: none"> <li>• Andrology Update</li> <li>• Dengue</li> <li>• Andrology Update- Pathology of Infertility – recent advances in Andrology.</li> <li>• National Health Programs &amp; revised health policy of Govt. of India.</li> <li>• Legal Aspects of Laboratory medicine.</li> <li>• Laboratory Waste Management</li> </ul>	The meeting of Board of Studies in the Subject of Pathology was held on Saturday 16-02-2019 at 11.30 A.M. in the Seminar room of the Department of Pathology. Board of Studies Changes will be implemented for PG – M.D. Pathology from May 2019 Batch & UG- II <sup>nd</sup> MBBS from Aug 2019. (Kindly find details of the same in separate attachments in prescribed format) 4) Starting of Diploma Course in Medical Laboratory Technology (Post B.Sc.) as skilled Course from July – Aug 2019. 5) Competency Based Curriculum is adopted for PGs & will be implemented from batch of May 2019 admission of PGs.



4.	2018-2019	M. D. Microbiology	Curriculum for PG in MD Microbiology as per University Norms.	Competency based Curriculum for PG in MD Microbiology as per MCI for the next Academic year	The meeting of Board of Studies in the subject of Microbiology was held on 20-02-2019 at 11.30 a.m.in the department of Microbiology. To introduce Competency based Curriculum for PG in MD Microbiology for the next Academic year
5.	2018-2019	M. D. Pharmacology	Syllabus was not competency based	Syllabus for competency based postgraduate training programme for MD Pharmacology was adopted	The Board of Studies meeting in subject of Pharmacology was held on 21/02/2019 at 11.00 am in department of Pharmacology KII Karad. Proposed changes in MD syllabus ( Postgraduate) as per competency based MD Pharmacology syllabus suggested by NMC Increase in duration of clinical postings Introduction of 3 new 10 marks exercises Dose calculation exercises. Clinical Pharmacology exercises. Qualitative analysis of alkaloids, steroids, glycosides etc. New competency based syllabus of pharmacology.
6	2018-2019	M. D. Community Medicine	As per previous syllabus Syllabus was not competency based	Operational Research Evaluation of health programmes Population stabilization.	The B.O.S. of Community Medicine of Krishna Institute of Medical Sciences, was held

		(PSM)		<p>T/L method – lecture</p> <ul style="list-style-type: none"> <li>- interactive discussion</li> <li>- Cognitive domain</li> <li>- Level – I</li> </ul> <p>- Desirable to know category - Assessment – Summative Assessment</p>	<p>on 16.02.2019 at. 11.00 a.m. in the office of KIMS, Karad .</p> <p>Operational Research Evaluation of health programmes</p> <p>Population stabilization.</p> <p>T/L method – lecture</p> <ul style="list-style-type: none"> <li>- interactive discussion</li> <li>- Cognitive domain</li> <li>- Level – I</li> </ul> <p>- Desirable to know category - Assessment – Summative Assessment</p>
7	2018-2019	M. D. General Medicine	As per previous syllabus Syllabus was not competency based	<ol style="list-style-type: none"> <li>1. Basic Hands on training in Two Dimensional Echocardiography and Doppler study</li> <li>2. Attitude and Communication skills, professionalism</li> <li>3. Evidence based medicine (EBM) RCT and Non- RCT based Guidelines</li> <li>4. Interdepartmental PG activity between Medicine-Radiology, Medicine –Obstetrics and Anatomy dissection exposure pertaining Heart, Lung, CNS, and vascular anatomy etc.</li> <li>5. Hands on training of PFT</li> <li>6. Mini-CEX as formative assessment: Total 24 cases should be completed by end of three years by postgraduate Medicine students</li> </ol> <p><b>Rotation Posting:</b> 15 days (3 hours a day) each rotation to critical care ICU, cardiology, dermatology and psychiatry OPD will be for postgraduate students (total 60 days)</p> <p>MD syllabus Changed and adopted as per National Medical Council guideline.</p>	<p>The meeting of <b>Board of Studies (BOS)</b> was conducted on <b>11<sup>th</sup> Feb 2019</b> in Department of Medicine. MD syllabus Changed and adopted as per National Medical Council guideline.</p>

8	2018-2019	M. D. Pediatrics	National Medical Council Post Graduate Syllabus	MD syllabus Changed & adopted as per National Medical Council guideline.	DEPARTMENT OF PEDIATRICS Board of Studies 2019 KIMS/PED/1237/2019 Date:-25.02.2019 Minutes of Meeting of Board of Studies-18.02.2019 MD syllabus Changed & adopted as per National Medical Council guideline
9	2018-2019	M. S. General Surgery	<b>GI endoscopy and Laparoscopy</b> <ul style="list-style-type: none"> <li>- Skill Lab / Sim Lab</li> <li>- Laproscopic training with help of cadaveric. *</li> </ul> <b>Operative Skills</b> <ul style="list-style-type: none"> <li>- Rotation to Critical Care ICU 15 days</li> <li>- Practice of high quality/ cost effective patient treatment and understanding of risk benefit analysis. *</li> <li>- Demonstrate sensitivity to age, race, gender, and culture of patients and other health care professionals. *</li> </ul> General Surgical Operative Procedures <ul style="list-style-type: none"> <li>- Gastrostomy / Feeding jejunostomy</li> <li>- Hands on training to</li> </ul>	<b>GI endoscopy and Laparoscopy</b> <ul style="list-style-type: none"> <li>- Skill Lab / Sim Lab</li> <li>- Laproscopic training with help of cadaveric. *</li> </ul> <b>Operative Skills</b> <ul style="list-style-type: none"> <li>- Rotation to Critical Care ICU 15 days</li> <li>- Practice of high quality/ cost effective patient treatment and understanding of risk benefit analysis. *</li> <li>- Demonstrate sensitivity to age, race, gender, and culture of patients and other health care professionals. *</li> </ul> General Surgical Operative Procedures <ul style="list-style-type: none"> <li>- Gastrostomy / Feeding jejunostomy</li> <li>- Hands on training to</li> </ul> Neurosurgery <ul style="list-style-type: none"> <li>- Disaster Surgery</li> </ul> <b>Oncology</b> <ul style="list-style-type: none"> <li>- Pain Management</li> </ul> Plastic Surgery <ul style="list-style-type: none"> <li>- Disaster Surgery</li> </ul> Teaching and Learning Activities <ul style="list-style-type: none"> <li>- Video learning, grand rounds, faculty discussion. *</li> </ul>	<b>DEPARTMENT OF SURGERY - MINUTES OF BOS- February - 2019</b> The meeting of Board of studies Department of surgery was held on Thursday 21 <sup>st</sup> February, 2019 at 11.00 am in the Surgery Department Competency based curriculum implemented as per MCI norm

			<p>P. G. Students Laparoscopy and Endoscopy</p> <ul style="list-style-type: none"> <li>- Basic Surgical skills and Anastomosis</li> </ul> <p>Neurosurgery</p> <ul style="list-style-type: none"> <li>- Disaster Surgery</li> </ul> <p><b>Oncology</b></p> <ul style="list-style-type: none"> <li>- Pain Management</li> </ul> <p>Plastic Surgery</p> <ul style="list-style-type: none"> <li>- Disaster Surgery</li> </ul> <p>Teaching and Learning Activities</p> <ul style="list-style-type: none"> <li>- Video learning, grand rounds, faculty discussion. *</li> </ul> <p><b>Pathology:</b></p> <ul style="list-style-type: none"> <li>- Tutorials on Newly added Specimen</li> </ul> <p><b>Radio-diagnosis:</b></p> <ul style="list-style-type: none"> <li>- Tutorials on New Imaging Modalities,</li> <li>- Assessment of operative skill of P. G. student's</li> <li>- Learning USG, CT scan , MRI and various procedures required for particular course module</li> </ul> <p><b>Practical Examination:</b></p> <ul style="list-style-type: none"> <li>- Medico legal aspects</li> </ul>	<p><b>Pathology:</b></p> <ul style="list-style-type: none"> <li>- Tutorials on Newly added Specimen</li> </ul> <p><b>Radio-diagnosis:</b></p> <ul style="list-style-type: none"> <li>- Tutorials on New Imaging Modalities,</li> <li>- Assessment of operative skill of P. G. student's</li> <li>- Learning USG, CT scan , MRI and various procedures required for particular course module</li> </ul> <p><b>Practical Examination:</b></p> <ul style="list-style-type: none"> <li>- Medico legal aspects and ethics in practices</li> <li>- Evolution of ethical research.</li> </ul> <p><b>COMPETENCY BASED POSTGRADUATE syllabus implemented as per the MCI norms</b></p>	
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			and ethics in practices - Evolution of ethical research.		
10	2018-2019	M. D. Radio Diagnosis	As per Previous syllabus Newly Added	MD Syllabus Changed & adopted as per National Medical Council Guideline.	Meeting Of Board studies (BOS) was conducted on 25 <sup>th</sup> The February 2019 at 11.00 A.M. in department of Radio-diagnosis.  Changed PG (MD Radio-diagnosis) Syllabus based on MCI Guideline competency based programme.
11	2018-2019	M. S. Obs./Gyn.	As per Previous syllabus Newly Added	New Competency based curriculum Prescribed by MCI adopted	<b><u>MEETING MINUTES OF THE BOARD OF STUDIES</u></b>  The meeting of the Board of Studies was held on 28 <sup>th</sup> February, 2019 in the Department office, KIMS, Karad at 11:00am New Competency based curriculum Prescribed by MCI adopted.
12	2018-2019	M. D. Anesthesia	Basic principals and technology of USG procedures in Anaesthesia and Intensive Care was not included in curriculum. Assisting or Supervising Ultrasound Guided	Basic principals and technology of USG procedures in Anaesthesia and Intensive Care in collaboration with radiology department was included.(Desirable to Know) Assisting or Supervising Ultrasound Guided anaesthesia procedures was added.(Nice to Know) Inter departmental meetings with	<b>DEPARTMENT OF ANAESTHESIOLOGY</b> Meeting of the BOS Anaesthesia will be held on Monday, 25/02/2019 at 11.00 a.m. This topic will be newly added. (In collaboration with

			<p>anaesthesia procedures was not included.</p> <p>Interdepartmental meetings with postgraduate student attendance was not mandatory.</p> <p>Structured internal examination every six months was not included.</p> <p>Competency based curriculum was not adapted.</p>	<p>departments of surgery and medicine at least once in three months with mandatory Postgraduate students attendance was included.</p> <p>Structured internal exam every 6 months was included.</p> <p>Competency based curriculum was adapted.</p>	<p>Cardiology Dept.)</p> <p>2-4: Change in lecture hours.</p> <p>Change in level from desirable to know to must know</p>
13	2018-2019	MS Orthopedics	<p>-Basic Sciences Related to Locomotor system.</p> <p>-Development, histology of bone, cartilage, collagen, muscles and nerve.</p> <p>-Orthopaedic diseases</p> <p>-General principles of Surgery and Traumatology</p> <p>-Principles of Arthroscopy microsurgery &amp; Arthroplasty.</p> <p>Orthotics &amp; Prosthetics, disability calculation, Biomechanics of gait, splints.</p>	<p>MD Syllabus Changed &amp; adopted as per National Medical Council Guideline</p>	<p>Meeting of BOS Orthopaedics to be scheduled on 21<sup>th</sup> February 2019</p> <p>New Competency based postgraduate training programme for MS orthopaedics as per MCI guidelines to be followed.</p>

14	2018-2019	M.S. ENT	-Sialoadenoscropy -Navigational Surgery	-MS Syllabus Changed & adopted as per National Medical Council Guideline.	Department of Otorhinolaryngology (ENT) Minutes Of BOS Meeting 2018-2019 MS Syllabus Changed & adopted as per National Medical Council Guideline
15	2018-2019	M.S. Ophthalmology	Non competency syllabus As per previous Syllabus	New Competency based curriculum Prescribed by MCI adopted.	DEPARTMENT OF OPHTHALMOLOGY MINUTES OF THE MEETING OF THE BOS OPHTHALMOLOGY FACULTY HELD ON 26TH February 2019 New Competency based curriculum Prescribed by MCI adopted
16	2018-2019	M. D. Dermatology	Non competency syllabus As per previous Syllabus	❖ Addition of new topics in PG syllabus: ➤ Laser ➤ hair transplant ➤ Dermoscopy ➤ Trichoscopy ➤ Onychoscopy ➤ Cosmetic Dermatology –PRF Dermatosurgery	<b>KIMSDU/KIMS/CURRICULUM/ DERMATOLOGY /BOS MINUTES-- (2018-19)</b> The meeting of Board of Studies of Dermatology was held on 12.02.2019 in the Department of Dermatology ❖ Addition of new topics in PG syllabus: ➤ Laser ➤ hair transplant ➤ Dermoscopy ➤ Trichoscopy ➤ Onychoscopy ➤ Cosmetic Dermatology –PRF Dermatosurgery

17	2018-2019	M. D. Biochemistry	Old syllabus of MCI No competency syllabus	<p>M.D. Addition of</p> <ul style="list-style-type: none"> <li>● Option to be provided for short notes in theory papers.</li> <li>● Diet for immune compromised patients.</li> <li>● T/L method – lecture <ul style="list-style-type: none"> <li>- interactive discuses</li> <li>- Cognitive domain</li> <li>- Level – I</li> <li>- Desirable to know category - Assessment – S.A.</li> </ul> </li> </ul> <p><b>Practicals-</b>  Vitamin D estimation  Vitamin B12 estimation  Vitamin Folic acid estimation  Tumor markar estimation.  - Psychomotor domain  Assessment-S.A.</p>	<p>DEPARTMENT OF BIOCHEMISTRY, KIMS, KARAD.</p> <p><u>MINUTES OF THE MEETING OF BOARD OF STUDIES HELD ON 11-03-2019</u></p> <p>The meeting of Board of Studies, Biochemistry was held on 11.03.2019 at 11.30 A.M. in the seminar room of department of Biochemistry, K.I.M.S</p> <p>M.D. Addition of</p> <ul style="list-style-type: none"> <li>● Option to be provided for short notes in theory papers.</li> <li>● Diet for immune compromised patients.</li> <li>● T/L method – lecture <ul style="list-style-type: none"> <li>- interactive discuses</li> <li>- Cognitive domain</li> <li>- Level – I</li> <li>- Desirable to know category - Assessment – S.A.</li> </ul> </li> </ul> <p><b>Practicals-</b>  Vitamin D estimation  Vitamin B12 estimation  Vitamin Folic acid estimation  Tumor markar estimation.  - Psychomotor domain  Assessment-S.A.</p>
24	2018-19	M.Ch Neurosurgery	As per Previous Syllabus .new topics added	<p>Principles of Gene Therapy  Clinical features and Neurology of Brain tumor and Paraneoplastic  Radiologic features of Central Nervous System tumors.</p>	<p>MINUTES OF BOS MEETING –</p> <p>It was decided to add Following Topics:  Principles of Gene Therapy  Clinical features and</p>



				<p>Endovascular techniques for brain tumors. Brain tumor during pregnancy Principles of Chemotherapy Aspects of Immunology applicable to brain tumor pathogenesis and treatment Basic principles of Cranial surgery for brain tumors Basic principles of skull base surgery Surgical complications and their avoidance. Surgical Navigation for brain tumors. ALA and Fluorescence for Brain tumours</p>	<p>Neurology of Brain tumor and Paraneoplastic Radiologic features of Central Nervous System tumors. Endovascular techniques for brain tumors. Brain tumor during pregnancy Principles of Chemotherapy Aspects of Immunology applicable to brain tumor pathogenesis and treatment Basic principles of Cranial surgery for brain tumors Basic principles of skull base surgery Surgical complications and their avoidance. Surgical Navigation for brain tumors. ALA and Fluorescence for Brain tumours</p>
25	2018-19	M.Ch. Plastic & Reconstructive Surgery	As per Previous Syllabus	<p>History of Plastic Surgery Worldwide History of Plastic Surgery in India Photography in Plastic Surgery, Burns-types, Pathophysiology, clinical course, management and newer techniques TISSUE GRAFTS-cartilage graft, fat grafts, skin grafts, bone grafts Free Tissue transfer Medical 3D printing</p>	<p>MINUTES OF BOS MEETING – It was decided to add Following Topics: History of Plastic Surgery Worldwide History of Plastic Surgery in India Photography in Plastic Surgery, Burns-types, Pathophysiology, clinical course, management and newer techniques TISSUE GRAFTS-cartilage</p>

					graft, fat grafts, skin grafts, bone grafts Free Tissue transfer Medical 3D printing
26	2018-2019	M.Sc. Medical Anatomy	As per previous Syllabus . Newly added	<p><u>1) Slide Preparation – With Special Stains Pas, AlcianBlue 2.5, 1.5, Diastase,</u></p> <p>1) T/L Method – Lectures.2) Cognitive Affective &amp; Psycomotor Domain. 3) Must Know Category 4) Level 2 Difficulty 5) Assessment – Fa&amp; Sa</p>	<p><b><u>Dept. of Anatomy Minutes of Board of Studies Meeting</u></b></p> <p>A meeting of members of B.O.S. was held in Dept. of Anatomy, on 21<sup>st</sup> February , 2019 at 10 am.</p> <p><b><u>M.Sc. Anatomy</u></b></p> <p>1) Slide preparation – with special stains PAS, Alcian blue 2.5, 1.5, pas with Diastase.</p> <p>1. T/L method – Lectures. 2. Cognaitive Affective &amp; Psycomotor Domain 3. Must know category 4. Level 2 difficulty 5. Assessment – FA &amp; SA</p>
27	2018-2019	M. Sc. Medical Microbiology	As per Previous Syllabus .Newly added	<p>Changes in UG curriculum is made as regards to “Antibiotic Stewardship” being introduced in Lecture and Practicals schedule programme</p> <p>3. Discussion was made as regards to Competency based UG curriculum as per MCI</p>	<p><b><u>DEPARTMENT OF MICROBIOLOGY</u></b></p> <p><b>Minutes of BOS in Microbiology</b></p> <p>The meeting of Board of Studies in the subject of Microbiology was held on 20-02-2019 at 11.30 a.m.in the department of Microbiology. Changes in UG curriculum is made as regards to “Antibiotic</p>

					Stewardship" being introduced in Lecture and Practicals schedule programme Discussion was made as regards to Competency based UG curriculum as per MCI
28	2018-2019	M.Sc. Medical Physiology	<p>1) Basic knowledge of medical education technology was not included.</p> <p>2)New Animal experiments</p> <p>Study of intestinal motility in rabbit was not included.</p> <p>3)Perfusion of rabbit's heart &amp; effect of drugs on it was not included.</p> <p>4)Study of audiometry &amp; auditory evoked potentials in ENT department was not included.</p> <p>5) Study of retinoscopy &amp; funduscopy in ophthalmology department was not included.</p> <p>6)Basic knowledge of lab tutor &amp; physiograph for UG/PG practical's was not included.</p> <p>7) One short</p>	<p>1)Basic knowledge of medical education technology was included.</p> <p>2).New Animal experiments</p> <p>Study of intestinal motility in rabbit was included.</p> <p>3)Perfusion of rabbit's heart &amp; effect of drugs on it was included.</p> <p>4)Study of audiometry &amp; auditory evoked potentials in ENT department was included.</p> <p>5) Study of retinoscopy &amp; funduscopy in ophthalmology department was included.</p> <p>6)Basic knowledge of lab tutor &amp; physiograph for UG/PG practical's was included.</p> <p>7)One short note(10marks) was included in the university examination.</p> <p>8)20 marks for animal experiment &amp; 20 marks for interpretation of graphs was included.</p>	<p>A meeting of members of Board of studies was held in Department of Physiology, on 5<sup>th</sup> March 2019 at 11.30a.m.</p> <p>Addition of new human experiments in postgraduate curriculum was discussed and it was decided to add these experiments in curriculum from current Academic year.(2019)</p>

			<p>note(10marks) was not included in the university examination.</p> <p>8) 20 marks for animal experiment &amp; 20 marks for interpretation of graphs was not there</p>		
29	2018-2019	M.Sc. Epidemiology	As per Previous syllabus .Newly added.	<p>Ebola &amp; Zika T/Lectures Cognitive domain Must know category Level II difficulty</p>	<p>The B.O.S. of Community Medicine of Krishna Institute of Medical Sciences, was held on 16.02.2019 at. 11.00 a.m. in the office of KIMS, Karad . Considering changing trends of emerging &amp; re-emerging infectious diseases it was decided to add Ebola &amp; Zika virus infections in the form of lectures of 2 hrs. each. It will be in cognitive domain in must know category at level II difficulty in the II semester.</p>

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1.	2018-2019	Bachelor of Dental Surgery (BDS)	Routine stains	Special hematological and histological stains	<b>School Of Dental Sciences, Karad</b> <u>Minutes of BOS Meeting</u> The board of studies meeting was held on 25/2/2019 at meeting hall of School of Dental Sciences, KIMSDU from 9.30 am onwards The proposed changes in curriculum were discussed and 10% additions of newer topics in all clinical and preclinical subjects were done.
			Surveying of cast	Lab procedures in cast partial dentures	
			Biocompatibility	Biomimetic materials	
			Physical and chemical injuries	Reactive lesions of oral cavity	
			PRP in OMFS	Use of bone grafts in OMFS	
			Trauma radiology	Road traffic accidents and radiology	
			Comparison Between In Adult And Growing Patients And Periodontal Complains	Periodontal Consideration In Orthodontics	
			Sports Injury Prevention	Sport dentistry	
			Dental splinting	Periodontal treatment of traumatic dental injuries	
Retraction cords	Lasers in gingival retraction				
			Levels in evidence based	Evidence based dentistry	
2.	2018-2019	Prosthodontics & Crown Bridge	Articulating paper	Digital occlusal analysis	
3.	2018-2019	Conservative Dentistry & Endodontics	Smile designs	Digital smile designing	
4.	2018-2019	Oral & Maxillofacial Surgery	Introduction to Botulinium	Botulinum toxin in OMFS	
5	2018-2019	Periodontology	Early Classification System In Oral Pathology	Recent WHO Classification Of Head And Nek Lesions	
6	2018-2019	Oral Pathology& Microbiology & Forensic Odontology	Non surgical facial esthetic procedures	Accelerated orthodontics	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1.	2018-2019	Bachelor of Physiotherapy Human Anatomy	<ul style="list-style-type: none"> <li>• More emphasize given to surface anatomy practical.</li> <li>• Reduction in the hours in digestive system.</li> <li>• Applied aspect of Anatomy, Physiology and biochemistry relevant to physiotherapy added in syllabus</li> </ul>	<ul style="list-style-type: none"> <li>• Anatomy of all joint complexes in details.</li> <li>- Detailed anatomy covering all the joints of the major joint complexes in the body will be added.</li> </ul>	Minutes of Board of studies meeting of Faculty of Physiotherapy held on 12.03.2019 at 11.00 am.
2	2018-2019	Biochemistry	<ul style="list-style-type: none"> <li>• All the topics have been divided into Level I and Level II as per the outcome, to provide additional knowledge in basic biochemistry.</li> </ul>	<ul style="list-style-type: none"> <li>• Obesity</li> <li>- Obesity topic will be newly added.</li> <li>• Diabetes</li> <li>- Diabetes topic will be newly added.</li> <li>• Alcohol Metabolism</li> <li>• Chemical changes in Sports injuries</li> <li>- Various chemical changes in athletes which lead to sports injuries according to the level of play.</li> <li>• Add biochemical procedures.</li> <li>- GTT</li> <li>• Transfer the topics from lecture to demonstration</li> <li>• Substrate identification tests (Carbohydrates, proteins, fats)</li> <li>- ABG analysis</li> <li>- Blood lactate measurements</li> <li>- Adultration identification tests</li> <li>• Liver and Renal Function tests</li> </ul>	10% addition / modification done in majority of all the subjects pertaining to all four years. The specific additional portion adjusting the hours of teaching and Teaching Learning & Assessment methods are mentioned separately.
3.	2018-2019	Pharmacology	<ul style="list-style-type: none"> <li>• The drugs related to doping added.</li> <li>• The topics removed from syllabus were drugs related to</li> </ul>	<ul style="list-style-type: none"> <li>• Doping and Drug Abuse in athletes.</li> <li>- Doping and drug abuse in athletes will be added in the syllabus.</li> <li>• Cholinergic- with special emphasis to Dementia.</li> </ul>	One subject in Final year BPTH - "Ethics and Principles of Physiotherapy

	9		<p>migraine, leucotriens, uterine pharmacology, plasma expanders.</p> <ul style="list-style-type: none"> <li>• The hours related to topics of anti-arrhythmic, anti psychotics, antidepressant, hypolipidemics, antimalignants were reduced.</li> <li>• Vaccination point transferred to Community, Sociology &amp; Biostatistics of 3<sup>rd</sup> year.</li> </ul>	<ul style="list-style-type: none"> <li>- special emphasis will be given on these topics.</li> <li>• Anti cholinergic- with special emphasis to postural hypotension, Urinary incontinence.</li> <li>- special emphasis will be given on these topics.</li> <li>• Recommended textbooks to be included in the syllabus- <ul style="list-style-type: none"> <li>- Pharmacology for Physiotherapists –Sharma &amp; Sharma- 2009 Edition.</li> <li>- Essential of medical pharmacology- 8<sup>th</sup> edition by Dr. K D Tripathi.</li> <li>- Pharmacology for Medical Undergraduates- Prasan R Bhandari.</li> <li>- Pharmacology and Pharmacotherapeutics revised 19<sup>th</sup> edition 2005 : Suggested textbooks will be added in the syllabus.by Dr. S D Satoskar and Dr. S D Bhandarkar.</li> </ul> </li> <li>- <b>Reference book:</b></li> <li>- Pharmacology for Dentistry- 2<sup>nd</sup> edition- Tara V Shanbhag, Smita Shenoy, Veena Nayak.</li> </ul>	<p>practice” included for university examination for 40 Marks(Formative &amp; Summative exam)</p>
4.	2018-2019	Pathology & Microbiology	<ul style="list-style-type: none"> <li>• A separate practical slot was granted.</li> <li>• Slides relevant to histopathology of musculoskeletal, neurological, cardiovascular, diabetes, respiratory were included.</li> </ul>	<ul style="list-style-type: none"> <li>• Hours allotment for <ol style="list-style-type: none"> <li>a) Laboratory visit</li> <li>b) Museum visit and</li> <li>c) Visit to collection centre</li> </ol> </li> <li>- Hours will be added for the same.</li> <li>• Applied pathology for stroke and bladder will be added in the syllabus.</li> <li>• Oral pathology will be added in the syllabus.</li> <li>• Textbooks and reference books needs to be added for pathology subject</li> <li>- <b>Recommended textbooks:</b></li> <li>- Essentials of Pathology for students of Physiotherapy- Genaral Pathology Part I by Dr. Madhav K Kolhatkar</li> <li>- Textbook of Pathology by Harsh Mohan.</li> <li>- Pathologic basis of disease by Cotran, Kumar</li> </ul>	

				and Robbins.	
5.	201 8- 201 9	Exercise Therapy	<ul style="list-style-type: none"> <li>• 6 minute walk test in removed due to overlapping with III BPT PDMS syllabus.</li> <li>• Elaboration of sub points under muscle strength:</li> <li>• Manual Muscle Testing: - definition / Principles of MMT / Methods / Grades of MMT.</li> <li>• Practical demonstration of upper limb, lower limb and spine muscles</li> <li>• Resisted Exercises: - Definition / Types/modes / Principles / Detail resisted training regimes.</li> <li>• Elaboration of sub points of mobilization: - definition / Principles / Types of mobilization / Grades.</li> <li>• Practical hours of biomechanics reduced to 25 hours.</li> <li>• Emphasize given on ball exercises in co-ordination and balance - neural control methods.</li> <li>• Expiratory / segmental- forced expiratory-coughing-huffing / modified inspiratory/ active cycle of breathing and humidification transferred to final year syllabus.</li> <li>• Elaboration of sub points in gait: Definition / Phases of gait cycle / Determinants of gait / Normal and abnormal gait</li> </ul>	<p>and Robbins.</p> <p><b>1. Muscle grading/MMT:</b></p> <ul style="list-style-type: none"> <li>• Introduction, principles, uses, precautions &amp; contraindications.</li> <li>• Types of muscle grading- available ROM method, make or break test and active resistance test.</li> <li>• Grading system- MRC, + &amp; - grade, Daniels and Worthingham, Kendall and Kendall grading.</li> <li>• Demonstrate the skill to grade- upper limb muscles, lower limb and trunk muscles.</li> <li>- Syllabus point MMT needs to be mentioned under mentioned sub points.</li> </ul> <p><b>2. Teaching hours can be increased for the following components:</b></p> <ul style="list-style-type: none"> <li>• Seminars.</li> <li>• Supervised clinical practice.</li> <li>- Seminars and clinical hours will be added in syllabus.</li> </ul>	



			patterns / Measurements for walking aids.		
6.	201 8- 201 9	Electro Therapy	<ul style="list-style-type: none"> <li>• Application and Dosage added in TENS.</li> <li>• Biofeedback removed from II BPT Syllabus and added in PDMS of III BPT syllabus</li> <li>• LASER included as a separate topic along with its application.</li> <li>• Physical agents in rehabilitation Mitchell Cameron</li> <li>• The practical examination schedule was reorganized as follows,</li> <li>• Long Cases-: Low frequency currents, UVR, Conventional Electro diagnosis</li> <li>• Short Cases- : High TENS, Medium frequency currents.</li> </ul>	<ul style="list-style-type: none"> <li>• Compression Cryotherapy will be added in the syllabus</li> <li>• Pneumatic compression therapy will be added in the syllabus.</li> <li>• Cold whirlpool, cryocuff, cold spray, cryo stretch and cryokinetics in cryotherapy will be added in the syllabus.</li> <li>• Teaching hours can be increased for the following components: <ul style="list-style-type: none"> <li>- Seminars every alternate Saturdays.</li> <li>- Supervised clinical practice.</li> </ul> </li> </ul>	
7.	201 8- 201 9	Psychology	<ul style="list-style-type: none"> <li>• Topics were not given emphasis on population based conditions.</li> <li>• Topics related to practical understanding of patients' behavior were not differentiated.</li> <li>•</li> </ul>	<ol style="list-style-type: none"> <li>1. Counselling – aim and principles</li> <li>2. Defense Mechanism</li> <li>3. Intelligence, attitude and frustration can be added.</li> <li>4. Health psychology, psychological reaction of a patient during admission and treatment &amp; reaction to loss can be added.</li> <li>5. Stress, communication, compliance, emotional needs can be added.</li> <li>6. Geriatric and pediatric psychology can be added.</li> <li>7. Sports psychology should be included as separate topic.</li> </ol> <ul style="list-style-type: none"> <li>• 1-7 points will be added</li> </ul> <p><b>Textbooks can be added:</b></p> <ol style="list-style-type: none"> <li>1. Introduction to Psychology by Munn N L</li> </ol>	

				<p>2. Cognitive Psychology in and out of the Laboratory Kathleen M Galotti.</p> <p>3. Developmental Psychology- A life span approach by Elizabeth B Hurlock</p>	
8.	201 8- 201 9	Surgery & Orthopedics	<ul style="list-style-type: none"> <li>• Renal transplant surgery added in syllabus</li> </ul>	<ul style="list-style-type: none"> <li>• Oncology surgery <ul style="list-style-type: none"> <li>- mastectomy.</li> <li>- lung cancer</li> <li>- head and neck cancer</li> <li>- oral cancers</li> <li>- Cancer in female reproductive system.</li> <li>- liver cancer</li> </ul> </li> <li>• Add oncology surgery with addition of 2 hours of Bed side clinics in each topic</li> </ul>	
9.	201 8- 201 9	Medicine	<ul style="list-style-type: none"> <li>• Renal failure added in the syllabus</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Cardiovascular &amp; respiratory medicine:</b> <ol style="list-style-type: none"> <li>1. Club rheumatic fever with infective endocarditis.</li> <li>2. club occupational lung diseases with interstitial diseases.</li> </ol> </li> <li>• <b>Neurology:</b> <ol style="list-style-type: none"> <li>3. Reduce hours of extrapyramidal lesions from 3hrs to 2 hours.</li> <li>4. Club polyneuropathy with dysfunction of autonomic nervous system.</li> <li>5. Reduce hours of infections of nervous system from 3 hours to 2 hours.</li> <li>6. Add sexually transmitted diseases – PEP : HIV, HBV, HCV</li> <li>7. Nutritional deficiency diseases to 2 hours. <ul style="list-style-type: none"> <li>- 1, 2, 4 : these topics will be clubbed together.</li> <li>- 3, 5 : these topics teaching hours will be reduced.</li> <li>- 6: These topics will ne newly added.</li> </ul> </li> </ol> </li> </ul>	

10	201 E- 201 C	Obstetrics & Gynecology	<ul style="list-style-type: none"> <li>• Modification of topic urogenital dysfunction to urogenital dysfunction (conservative &amp; surgical)</li> <li>• Specification of antenatal care topic to 3 trimester &amp; end of gestation period.</li> <li>• Pelvic inflammatory diseases &amp; associated Physical problems added.</li> </ul>	<ol style="list-style-type: none"> <li>1. Recent advances in pelvic floor anatomy.</li> <li>2. Adolescent gynecological problems.</li> <li>3. Recent innovations in treatment of stress urinary incontinence.</li> <li>4. Nutrition and exercise for women's health.</li> </ol>	
11	201 E- 201 C	Physical Diagnosis & Manipulative skills	<ul style="list-style-type: none"> <li>• ICDH-II was replaced with ICF</li> <li>• Specification for the Special tests used in musculoskeletal assessment was done.</li> <li>• Response of soft tissues to trauma was added in the syllabus</li> <li>• Assessment of obesity (topic no. 12) included more detailed aspects of Assessment of Fitness &amp; Health.</li> </ul>	<ol style="list-style-type: none"> <li>1. Clinical decision making and reasoning in various disorders</li> <li>2. advanced physical diagnostic tools</li> </ol> <ul style="list-style-type: none"> <li>• 1,2: These topic will be newly added.</li> </ul>	
12	201 E- 201 C	Community Health Sociology and Biostatistics	<ul style="list-style-type: none"> <li>• Pregnant &amp; lactating women, Pelvic floor Dysfunction, Urinary incontinence was replaced with preventive medicine in obstetrics- ANC, intra natal &amp; PNC/ geriatric care was added.</li> <li>• Pre term babies, high risk infants, health problems of preschool children's, birth injuries, acquired and congenital disorders, infectious causes- TB meningitis, polio etc was added.</li> <li>• Occupational hazards &amp; diseases, injury prevention- UE/LE/spine</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Community health:</b> <ol style="list-style-type: none"> <li>1. In traumatic and paralytic morbidity add adolescents and road traffic accidents.</li> <li>2. In nutritional add food intoxicants.</li> <li>3. In addictions add drug abuse.</li> <li>4. In mental health add assessment of mental health.</li> </ol> </li> <li>• <b>Sociology:</b> <ol style="list-style-type: none"> <li>5. Add social pathology.</li> </ol> </li> <li>• <b>Biostatistics:</b> <ol style="list-style-type: none"> <li>6. Add Fallacies.</li> </ol> </li> </ul>	

13	201 8- 201 9	Psychiatry	<ul style="list-style-type: none"> <li>• Role of team work in Psychiatric disorder added in syllabus:</li> <li>• Physician</li> <li>• Psychiatrist</li> <li>• Clinical Psychologist.</li> <li>• Physiotherapist.</li> <li>• Psychiatric nurse.</li> <li>• Care takers</li> </ul>	<ul style="list-style-type: none"> <li>• Disaster psychiatry will be newly added.</li> </ul>	
14	201 8- 201 9	Pediatrics	<ul style="list-style-type: none"> <li>• Normal intra uterine development of fetus was shifted from desirable to know to must know area.</li> <li>• Common causes for developmental disorders like CDH, club foot, Kyphosis, scoliosis, Spina bifida was added in the syllabus with previous topics.</li> <li>• Gullian barre syndrome was added in the syllabus.</li> <li>• Malnutrition related condition shifted to desirable to know area.</li> <li>• Learning disabilities disorders added in the syllabus</li> </ul>	<ol style="list-style-type: none"> <li>1. Remove tetanus.</li> <li>2. Add Polyneuropathy</li> </ol> <ul style="list-style-type: none"> <li>• 1: These topics will be removed.</li> <li>2: These topics will be newly added.</li> </ul>	
15	201 8- 201 9	Physiotherapy in Musculoskeletal Condition	<ul style="list-style-type: none"> <li>• Joint replacement and its Physiotherapy Management was added in the syllabus with 2 hours theory and 5 hours of practical classes.</li> <li>• Fabrication of artificial joint components &amp; its properties was added.</li> <li>• Joint stiffness scars/ contractures muscle weakness management shortening</li> </ul>	<ul style="list-style-type: none"> <li>• Addition of Basic Principles and application of following techniques</li> </ul> <ol style="list-style-type: none"> <li>1. Aquatic Therapy for musculoskeletal disorders</li> <li>2. Instrument Mobilisation (PIM)/Instrument assisted Soft Tissue Mobilisation (IASM)/Graston Technique</li> <li>3. Positional Release Technique</li> <li>4. Kinesio Taping</li> </ol> <ul style="list-style-type: none"> <li>• Addition of details of Musculoskeletal conditions in Section II:</li> </ul>	

			<p>followed by burns was added.</p> <ul style="list-style-type: none"> <li>• Nutritional deficiency disorders &amp; physiotherapy management (bone &amp; joints) was added in the syllabus.</li> </ul>	<ul style="list-style-type: none"> <li>• Revision of didactic and practical distribution of hours in Section I and II.</li> <li>• Addition of reference books.</li> </ul> <p>5. Assistive Device technology, Digital and pervasive technologies for musculoskeletal conditions.</p> <p>- 1-5 :These topics will be newly added</p>	
16	2018-2019	Physiotherapy in Neurosciences	<ul style="list-style-type: none"> <li>• MRP was added in the syllabus.</li> <li>• In treatment programme along with bladder training bowel training was added in the syllabus.</li> <li>• Principles of neural recovery including motor learning Skill of sensory-motor learning &amp; neuro-muscular skeletal training was changed to Principals of Neuronal Plasticity, various concepts and treatment strategies with hours distribution of 2 hours theory and 5 hours practical's.</li> <li>• Specification of point Developing a philosophy for caring was done to Developing a philosophy for caring Paediatric/Adult/Geriatric and shifted from must know to nice to know area.</li> </ul>	<p>1. Addition of Basic Principles of "Advanced neuro-physiotherapy techniques"</p> <p>2. Principles of pre and post surgical assessment and management in various Neurosurgery conditions.</p> <p>3. Addition of details of Neurological conditions in Section II</p> <p>4. Assistive Device technology, Digital and pervasive technologies for neurological conditions.</p> <p>- 1-4 :These topics will be newly added</p>	
17	2018-2019	Physiotherapy in General Medicine & Surgical conditions	<ul style="list-style-type: none"> <li>• ACBT technique was added in the syllabus.</li> <li>• Assessment &amp; haemo-dynamics, of cardiac surgeries with patients of Heart Transplantation its ICU care management and physiotherapy treatment was</li> </ul>	<p>1. Surgical Oncology-Cancer- Definition, Types, Clinical manifestations of Cancer, staging of Cancer, Surgical procedures involved in the management of cancer.-3Hrs</p> <p>2. Physiotherapy Technique to increase Lung Volume-Controlled mobilization, positioning breathing exercises,</p>	

			included in the syllabus and the clinical hours assigned were 10 hours.	Neurophysiological facilitation of Respiration, Mechanical Aids-Incentive Spirometry, CPAP, IPPB-3Hrs 3. Addition of details of Medical and surgical conditions in Section II: 4. Radiation induced complication 5. Cancer Fatigue - 1-2 :These topics will be newly added	
18	2018-2019	Physiotherapy in Community Health	<ul style="list-style-type: none"> <li>Project work and outdoor activities was divided into health camps of 15 hours, industrial visit &amp; training of 5 hours &amp; project work of 20 hours with total 40 hours.</li> <li>Fitness testing &amp; training for Normal individuals and sports persons was added in the syllabus</li> </ul>	1. Geriatric Health:Additional Portion: (4) - b) Differential diagnosis in Geriatric illness (Must Know) 2. Industrial Health (Ergonomics):Additional Portion: (2) Ability Management - b) Conditioning training and Group TherapyExercises for specific occupational stressors: (Desirable to know) 3. Social Pathology - 1-2 :These topics will be newly added	
19	2018-2019	Ethics and Principles in Physiotherapy Practice	<ul style="list-style-type: none"> <li>New subject which is not present in pre-revision.</li> </ul>	1. Medical And Physiotherapy Law And Ethics - Principles of Physiotherapy practice 2. Hospital Administration - 1-2 :These topics will be newly added	
20	2018-2019	M. P. Th. Musculo-skeletal Science	<ul style="list-style-type: none"> <li>In pre-revised syllabus, 5 subjects namely: <ol style="list-style-type: none"> <li>PT practice I,</li> <li>PT practice II,</li> <li>Advance PT I,</li> <li>Advance PT II,</li> <li>Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> <li>In post-revision (5 subjects changed to 4 subjects): <ol style="list-style-type: none"> <li>Basics sciences,</li> <li>Basic therapeutics,</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>Common topics to all specialties grouped together.</li> <li>Topics distributed as: <ol style="list-style-type: none"> <li>Principles and ethics</li> <li>Pathomechanics and clinical kinesiology</li> <li>Exercise physiology and nutrition</li> <li>Orthotics, prosthetics &amp; bioengineering</li> </ol> </li> </ul>	

			<p>3. Research methodology and biostatistics were recommended in common.</p> <ul style="list-style-type: none"> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>		
21	2018-2019	M. P. Th. Neuro Science	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely : <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> <li>• In post-revision (5 subjects changed to 4 subjects): <ol style="list-style-type: none"> <li>1. Basic sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> </ol> </li> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>	<ul style="list-style-type: none"> <li>• Core common areas: <ol style="list-style-type: none"> <li>a. Basics in Exercises Electrotherapeutics</li> <li>b. Pain modulation</li> <li>c. Conventional electro diagnosis Physical functional diagnosis</li> </ol> </li> </ul>	<p>Minutes of Board of studies meeting of Faculty of Physiotherapy held on 12.03.2019 at 11.00 am.</p> <p>30% -40% modifications done on the whole for both 1<sup>st</sup> year &amp; II<sup>nd</sup> year MPT and the modifications done are listed:</p> <ol style="list-style-type: none"> <li>1) The subjects and related portions were grouped under each specialty.</li> <li>2) The weightage for advanced therapeutics and specialty wise subjects will be considered in the</li> </ol>
22	2018-2019	M. P. Th. Cardio - Pulmonary Science	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely: <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>• Topics grouped in the following sequence: <ol style="list-style-type: none"> <li>1. Clinical decision making skills</li> <li>2. Special skills &amp; Physiotherapy approaches</li> <li>3. Problems &amp; Disorders treated</li> <li>4. Investigations &amp; Advanced tests</li> </ol> </li> </ul>	

			<ul style="list-style-type: none"> <li>• In post-revision (5 subjects changed to 4 subjects):</li> <li>1. Basics sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>		<p>first year itself.</p> <p>3) 4 - Subjects in the 1<sup>st</sup> Year Program namely</p> <ol style="list-style-type: none"> <li>1. Basic Sciences</li> <li>2. Basic Therapeutics</li> <li>3. Advanced Therapeutics (Tailored to specialty)</li> <li>4. Biostatistics &amp; Research Methodology</li> </ol> <p>4) 2 - Subjects in the 2<sup>nd</sup> Year Program under the 5 Specialties (Musculoskeletal sciences / Neurosciences / Cardio Pulmonary sciences / Community Health sciences &amp; Pediatric Neurosciences) namely</p> <ol style="list-style-type: none"> <li>1. General Physiotherapy</li> <li>Advanced Physiotherapy</li> </ol>
23	2018-2019	M. P. Th. Pediatric Neurology	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely:</li> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> <li>• In post-revision (5 subjects changed to 4 subjects)</li> <li>1. Basic sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>	<ul style="list-style-type: none"> <li>• Clinical decision making based on musculoskeletal dysfunction</li> <li>• Manual therapy skills</li> <li>• Application of advanced musculoskeletal approaches for common musculoskeletal problems</li> <li>• Investigations specific to orthopedic disorders.</li> <li>• Orthopedic special tests and outcome measures</li> </ul>	



24	201 8- 201 9	M. P. Th. Neurological Sciences	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely:               <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> <li>• In post-revision (5 subjects changed to 4 subjects):               <ol style="list-style-type: none"> <li>1. Basics sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> </ol> </li> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>	<ul style="list-style-type: none"> <li>• Neuro specific electrotherapeutic modalities</li> <li>• Advances in electrotherapeutic modalities, Electro diagnostic modalities &amp; Investigations</li> <li>• Various Neuro physiological approaches with special emphasis to Neuronal Plasticity.</li> <li>• Clinical decision making in relation to common neurological problems of UMN / LMN lesions.</li> </ul>	
25	201 8- 201 9	M. P. Th. Cardio - Pulmonary Science	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely :               <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> <li>• In post-revision (5 subjects changed to 4 subjects):               <ol style="list-style-type: none"> <li>1. Basics sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> </ol> </li> <li>• Advance therapeutics as per</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Cardiac &amp; Respiratory diagnostics</li> <li>• Monitoring and Managerial skills in all ICU</li> <li>• Advanced approaches for Respiratory &amp; Cardio vascular problems</li> <li>• Investigations</li> </ul>	

			specialties is recommended.		
26	201 8- 201 9	M. P. Th. Community Health	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely: <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics were in common for all specialties.</li> </ol> </li> <li>• In post-revision (5 subjects changed to 4 subjects): <ol style="list-style-type: none"> <li>1. Basics sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics were recommended in common.</li> </ol> </li> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>	<ul style="list-style-type: none"> <li>• Areas covered are: Industrial health, Geriatric health, Women's health &amp; Pediatric health</li> </ul>	
27	201 8- 201 9	M. P. Th. Peaditric Nerology	<ul style="list-style-type: none"> <li>• In pre-revised syllabus, 5 subjects namely: <ol style="list-style-type: none"> <li>1. PT practice I,</li> <li>2. PT practice II,</li> <li>3. Advance PT I,</li> <li>4. Advance PT II,</li> <li>5. Research methodology and Biostatistics, were in common for all specialties.</li> </ol> </li> <li>• In post-revision (5 subjects changed to 4 subjects): <ol style="list-style-type: none"> <li>1. Basics sciences,</li> <li>2. Basic therapeutics,</li> <li>3. Research methodology and biostatistics, were recommended in common.</li> </ol> </li> </ul>	<ul style="list-style-type: none"> <li>• Pediatric Neuro specific approaches</li> <li>• Neuro physiologic approaches specific to Pediatric Neurology</li> <li>• Pediatric Neuro Intensive care managerial skills</li> <li>• Community based rehabilitation services specific to Pediatric rehabilitation</li> <li>• Various assessment strategies in Pediatric Neurology</li> <li>• Progressive assessment and management based on age &amp; outcome</li> <li>• Pediatric therapeutic modalities</li> </ul>	

			<ul style="list-style-type: none"> <li>• Advance therapeutics as per specialties is recommended.</li> </ul>	<ul style="list-style-type: none"> <li>• Investigations specific to Pediatric Neurology</li> </ul>	
28	2018-2019	M. P. Th. Physiotherapy as per specialty	<ul style="list-style-type: none"> <li>• In pre revision, general physiotherapy in common and advanced physiotherapy is as per specialty.</li> <li>• In post revision, 2 subjects namely: general and advanced physiotherapy recommended as per specialty.</li> </ul>	<ul style="list-style-type: none"> <li>• Patho-mechanics &amp; Screening based on Pathomechanism of various disorders</li> <li>• Basis for Therapeutic decision making</li> <li>• Long term consequences of chronic disorders on various systems</li> <li>• Disability evaluation in detail.</li> <li>• Malignancy added to all specialties</li> <li>• Therapeutic decision making skills</li> <li>• Three common topics added in common to all specialties i.e., <ul style="list-style-type: none"> <li>a) National &amp; International health programs</li> <li>b) Professional marketing strategies</li> <li>c) Management strategies relevant to clinical applications</li> </ul> </li> </ul>	
29	2018-2019	M. P. Th. Advances Physiotherapy as per specialty	<ul style="list-style-type: none"> <li>• In pre revision, general physiotherapy in common and advanced physiotherapy is as per specialty.</li> <li>• In post revision, 2 subjects namely: general and advanced physiotherapy recommended as per specialty.</li> </ul>	<ul style="list-style-type: none"> <li>• Preventative physiotherapy added to all specialties in common.</li> <li>• Knowledge of all conditions / disorders pertaining to each specialty</li> <li>• PT Assessment &amp; Management including Prosthetic / Orthotic appliances</li> </ul>	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2018-2019	Basic B. Sc. Nursing Anatomy & Physiology	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column.	<p><b>Anatomy:</b>(4101-11)            UNIT I- Applications and implications in Nursing. Shifted from DK to NK (1 hr)            Unit II- Applications and implications in Nursing. Shifted from DK to NK(1 hr)            Unit III- Muscle groups abdomen Shifted from MK to DK(1 hr),            Unit - III- Muscle groups of hip and lower limb(Shifted from MK to NK(1 hr)            Unit IV- Sympathetic, parasympathetic – structure and location. Shifted from MK to NK(1 hr)            Unit VI- Lymphatic tissues- Thymus gland, Lymph nodes, Spleen Shifted from NK to DK(1 hr)            Unit – VI- Lymphatic nodules. Shifted from NK to DK(1 hr).  <b>Physiology:</b> (4101-11)            Unit IV- Autonomic learning and biofeedback Shifted from MK to NK (1Hr),            Unit VI- Alterations in disease. Shifted from NK to DK (1Hr),            Unit VII- Applications and implications in nursing. Shifted from NK to DK (1Hr),            Unit VIII-Alterations in disease Shifted from DK to NK (1Hr)            Unit IX- Applications and implications in nursing. Shifted from MK to DK (1Hr),</p>	<p>KRISHNA INSTITUTE OF NURSING SCIENCES, KARAD            MINUTES OF THE BOARD OF STUDIES MEETING            Date: Wednesday : 27-02-2019 Time : 10.30 am            Venue : KINS Board room            Meeting of the Board of Studies in Nursing of Krishna Institute of Nursing Sciences, Karad, was held on Wednesday the 27th of February 2019at 10.30 am            Dr. Jyoti A. Salunkhe, Professor KINS presented minor revision proposed for 2nd year M. Sc. (N) for Midwifery &amp; Obstetrical Nursing (Clinical specialty II)            The draft consisted of from unit No. III from must know area topic 'Version 'shifted it to desirable to know area. And from same unit from desirable to know area topic 'Destructive Operation shifted to Nice to know area</p>

				Unit IX- Alterations in disease. Shifted from MK to NK (1Hr), Unit XI- Introduction to embryology shifted from MK to NK (1Hr).	
2	2018-2019	Nursing Foundation	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Nursing Foundation :</b> (4101-12) UNIT XIII-Meeting needs of Peri operative patients: Introduction to first aid and emergencies: Introduction definition'(2 hr), Aims, and importance of first aid(2hr), General principals of first aid(2 hr), Concepts of emergency(2 hr), Dressing (2 hr), First aid kit(2 hr), Transportation of injured(2 hr)DK, First aid in emergencies(2 hr)DK, Bandaging types(2 hr)DK, Wounds and bleeding(2 hr)DK, Sprains (2 hr)DK, Strains (1 hr) NK, Falls(2 hr) NK.	As per INC circular Dr.Vaishali Mohite/Mr. M. B. Shinde presented the shifting of the Community Health Nursing 4 <sup>th</sup> year Basic B. Sc. (N) under community Health Nursing <b>Log book of integration of middle level health provider (MLHP)</b>  Log book of integration of <b>Middle Level Health Provider (MLHP)</b> .It will be implemented from 2020 for 4 <sup>th</sup> year Basic B. Sc. (N) under the subject of Community Health Nursing and after completion of course students will certified as Middle Level Health care Provider (MLHP) as prepared draft by INC will be implemented.
3	2018-2019	Nutrition & Biochemistry	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Biochemistry:</b> (4101-13) UNIT-2 - Dehydration, Renal regulation of PH-(1hr) (DK), UNIT-3Glucose tolerance test. (1hr) (MK), UNIT-5 function tests (1hr) (NK).	
4	2018-2019	Microbiology	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Microbiology :</b> (4101-15) UNIT II - Microbiology Department visit(2hrs) MK UNIT III - CSSD & BMW Educational visit(1hr)- MK, UNIT IV- Preparation of models of microorganisms &presentation(1hrs),MK Morphology of Zika virus, Characteristics, (1hr), Source,	It was proposed & resolved by the members of BOS that 10-12% revision for 1styr.B.Sc. (N) in subject of

				portal of entry(1hr), Transmission of infection, Identification of disease control of spread of infection(1hr)DK .	Nursing Foundation
5	2018-2019	Pharmacology, pathology, Genetics	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<p><b>Pharmacology:</b> (4101-22) UNIT I - Role of nurse in administration of drugs (1Hr) MK, UNIT II - Immune-suppressants. Role of nurse in Anti-cancerous drugs (2Hr) MK, UNIT III - Uses of commonly used antiseptics, disinfections, and insecticides. (1Hr) (DK), UNIT XII - Role of nurse in alternative system of medicine (1 Hr) (NK).</p> <p><b>Pathology:</b> (4101-22) Unit IV- Autonomic learning and biofeedback Shifted from MK to NK (1Hr) ,UnitVI-Alterations in disease. Shifted from NK to DK (1Hr) Unit VII- Applications and implications in nursing. Shifted from NK to DK (1Hr) Unit VIII-Alterations in disease shifted from DK to NK (1Hr), Unit IX-Applications and implications in nursing. Shifted from MK to DK (1Hr) Unit IX- Alterations in disease. Shifted from MK to NK (1Hr) Unit XI- Introduction to embryology shifted from MK to NK (1Hr).</p> <p><b>Genetics:</b>(4101-22) UNIT.I1 Down syndrome.MK (Trisomy 21) (1hr) MK, Case study evaluative</p>	

				method added for same topic.	
6	2018-2019	<b>Communication &amp; Education Technology</b>	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	UNIT.1 Importance of communication skills for nurses.(2Hrs) – MK , UNIT.II Interpersonal Relationship in Context of Nursing. (2 Hrs) MK, UNIT.V1 - Newer Teaching learning methods in nursing like one minute preceptorship, Flipped classroom, E-learning (webinar, Swayam courses) 2hrs DK.	
7	2018-2019	Nursing Management Of Nursing Services & Education : (4101-43)	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Communication &amp; Education Technology:(4101-24)</b> UNIT.1 Importance of communication skills for nurses.(2Hrs) – MK , UNIT.II Interpersonal Relationship in Context of Nursing. (2 Hrs) MK, UNIT.V1 - Newer Teaching learning methods in nursing like one minute preceptorship, Flipped classroom, E-learning (webinar, Swayam courses) 2hrs DK.	
8	2018-2019	Post Basic B. Sc. Nursing Nursing Foundation	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Nursing Foundation:</b> UNIT – 2 Ethical, legal and other issues in Nursing.(1hr) MK Nursing theories: Betty Newman, Martha Rogers,(1hr) Dorothea Orem, (1hr),and other issues in Nursing. (1hr)DK, UNIT V - Quality assurance: Definition, concept, Purposes, Approaches and principles. (1hr) MK Models of Quality assurance (1hr), NK.	

9	2018-2019	Biochemistry & Biophysics	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Biochemistry:</b> <b>UNIT-2</b> Dehydration, Renal regulation of <b>PH-(1hr) MK</b> <b>UNIT III</b> Glucose tolerance test. MK, <b>(1hr)</b> <b>UNIT V</b> - Liver function test <b>(1hr)NK</b>	
10	2018-2019	Microbiology	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Microbiology :</b> UNIT - IV CSSD & BMW Educational visit(1hr) MK, UNIT – V -Preparation of models of microorganisms & presentation (1hrs),MK UNIT – VI Microbiology Department visit (1hrs),MK UNIT – IX Morphology of Zika virus, Characteristics, (1hr), Source, portal of entry(1hr), Transmission of infection, Identification of disease control of spread of infection(1HR)MK	
11	2018-2019	Introduction to Nursing Education	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Introduction To Nursing Education:</b> UNIT - I Introduction to education : Current trends and issues in nursing education. (1 hr) This topic is Newly added in (DK) , Unit-III:Methods of teaching - Ward teaching , Problem solving method(1hr) Added in (MK) , Unit-IV:Educational media.Principles, characteristics and sources of Audio- Visual Aids. (1hr) ) Added in (MK) Role of teacher in preparing audio-visual aids.	



				(1hr) UNIT-V: Practical examination Viva, (1hr) Objective Structured clinical examination. (1hr).	
12	2018-2019	M. Sc. Medical Surgical Nursing	As per Previous No addition / deletion. Only level nice to know , must know and desirable to know topics were partly shifted as shown in next column	<b>Nursing Education:</b> <b>UNIT II (20 hrs)</b> 1hr is Shifted From MK to DK ,And 1 hr is shifted from MK TO NK - Computer based and outcome based, <b>UNIT III (10 hours)</b> 1hr is shifted from MK to NK - Developing learning resource material using different Media <b>UNIT IV (10 hours)</b> 1hr is shifted from Mk to DK - Nature of measurement and evaluation <b>UNIT VII (10hours)</b> 1hr is shifted from MK TO NK- Socio-economic status scale ,Unit IX(10 hours)1 hr is shifted from Mk To DK - Program planning, implementation and evaluation of Continuing education programs, Unit XI (8 hours) 1 hr is shifted from MK to NK - Evaluation: self and peer <b>UNIT XII (10 hours)</b> 1 hr is shifted from MK to NK - Different models of collaboration between education And service <b>UNIT XIII (15 hours)</b> 4hrs Newly added to MK and Current changes in Nursing curriculum (1hr) MK, Factors influencing curriculum development in Nursing education (1hr) MK, Curriculum	

			<p>Construction (1hr) MK, Patterns of curriculum organization (1hr) MK, 1 hr added to DK -Curriculum Administration (1hr) DK</p> <p><b>UNIT XIV</b> - 1hr is shifted from MK to DK - Performance Appraisal ,</p> <p><b>UNIT XV</b> - 1 hr is shifted from NK to MK - Accreditation In Nursing Education Programs</p> <p><b>Advance Nursing:</b></p> <p><b>UNIT I</b>-Nursing as a profession- Bioethics - 3 hrs,(MK)T/L Method, Visit to MNC/INC, 12 hrs that will be adjusted from clinical hours.</p>	
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Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2018-2019	M. Sc. Biotechnology Foundation of Biochemistry for Biotechnologist	1) Enzymes (2) 2) Some fundamentals of biochemistry (7)	1) Protein Chemistry – Structure, Function, Relationships in model proteins like Ribonuclease A, Myoglobin, Hemoglobin, Chymotrypsin etc. Protein folding: Anfinsen's Dogma, Levinthal paradox, cooperativity in protein folding, free energy landscape of protein folding, and pathways of protein folding, molten globule state, chaperons, diseases associated with protein folding, introduction to molecular dynamic simulation. (9)	<p><b>Item (iii) Consideration of the minutes of the College Curriculum Committee meeting held on 21th January, 2019 at 10:00 a.m. in Faculty of Allied Sciences, KIMSDU, Karad, regarding proposed draft of revised syllabus in CBCS pattern of M.Sc. Microbiology and M.Sc. Biotechnology courses .</b></p> <p><b>Resolutions:</b> Resolutions passed in the meeting of College Curriculum Committee held on 21<sup>st</sup> January 2019 at 10.00 a.m. regarding the revision of the syllabi in M. Sc. Biotechnology and M. Sc. Microbiology courses <b>(CBCS pattern)</b> were discussed and approved and following resolutions were passed. <b>Resolution:(iii) 1)</b> Resolved that the</p>
2	2018-2019	Biochemical, Biophysical, Immunochemical and Biotechnological Techniques		1) Nucleic acid based analytical methods 16 s and 18 s rRNA sequencing (3)	
3	2018-2019	Cell Biology and Biostatistics	Introduction to statistics (2)	1) Vital statistics – Death rate and ratio, measures of morbidity measures of mortality (2)	
4	2018-2019	Microbiology and Immunology-I	1) Antigen (2) 2) Antibodies (2) 3) Introduction to infection and disease terminology (3) 4) Microbial evolution (2)	1) Cytokines, chemokines and their receptors (4) 2) Techniques of isolation of yeast and molds (2) 3) Techniques of isolation of anaerobic bacteria (3)	
5	2018-2019	Practical course II		1) Determination of proteins by Bradford's method (3) 2) Preparation of Buffers- Preparation of Molar and Normal solutions commonly required in	

				biotechnology laboratory (9)	proposed draft of revised syllabus <b>(CBCS pattern)</b> in M. Sc. Biotechnology and M. Sc. Microbiology course syllabi as shown in Annexure I and Annexure II, be accepted. <b>Resolution:(iii) 2)</b> Resolved further that revised syllabi <b>(CBCS pattern)</b> be implemented with effect from the academic year 2019-2020 in a phase manner ( i.e. for M. Sc. I implementation from the academic year 2019-20 and for M. Sc. II implementation from the academic year 2020-21).
6	2018-2019	<b>(AECC) Yoga &amp; Meditation</b>	-----	<b>Entire new course introduced</b>	
7	2018-2019	Foundation for use of Computers, Communications, Scientific Writing and Presentation		Project proposal & preparation- selection of research topics, review of literature, writing a research proposal and Presentation. (5)	

8	2018-2019	Molecular Biology and Biotechnology		Genetics of population with reference to Hardy-Weinberg principle and it's applications (4)	
9	2018-2019	Microbiology and Immunology-II	Vaccine toxoid and sera (3)	Vaccine technology – General methods, Disease specific vaccine Design – Tuberculosis vaccine, Malaria vaccine, HIV/AIDS vaccine.(4)	
10	2018-2019	Practical course III	Study of pigment producers	1)Study of <i>Streptococcus species</i> (9) 2) Study of <i>Micrococcus spp.</i> (9)	
11	2018-2019	Practical course IV		1)Conjugation in bacteria (9) 2)Preparing Abstract for a given scientific paper (3) 3)Writing a 'Summary and Conclusion for a given Scientific Paper (3) 4)Writing a 'Bibliography' for a given Scientific Paper (3)	
12	2018-2019	<b>(SECC) A Soft Skills and Personality Development</b>	_____	<b>Entire new course introduced</b>	
13	2018-2019	Bioinformatics for Biotechnologist	Fundamentals of computers: (2) 1) Computer components and their functions- overview 2) Operating systems: Concepts, windows 2003/XP/VISTA, UNIX/LINUX	Biological databases- Immunoinformatics databases (2)	
14	2018-2019	Environmental Biotechnology		Nanofilm preparations (1)	
15	2018-	Plant Tissue Culture		Somatic cell genetics (3)	

	2019				
16	2018-2019	Industrial Fermentations		Computer application in fermentation technology (2)	
17	2018-2019	Practical course V	Using Biological Database (12) Genbank, Swiss Prot, PDB	Using Biological databases – (12) (i)Retrieving protein and nucleic acid databases (ii)Single and Multiple sequence alignment using BLAST / CLUSTAL / CLUSTAL W (iii)Constructing phylogenetic Trees	
19	2018-2019	Practical course VI		Bioassay of vitamin B <sub>12</sub> (9)	
20	2018-2019	<b>(AECC) Leadership Development</b>	-----	<b>Entire new course introduced</b>	
21	2018-2019	Enzyme Technology	Enzymes & functions (3)	Recent advances in rationale approaches for enzyme engineering (3)	
22	2018-2019	Pharmaceutical Microbiology and Biotechnology		Production of organic acids – gluconic acid, itaconic acid, kojic acid, propionic acid (4)	
23	2018-2019	Recombinant DNA Technology	Basic tools and techniques of recombinant DNA technology (2)	Industrial designs : Designs of gadgets used in Biotechnology (2)	

24	2018-2019	Practical course VII	Immobilization of amylase enzyme	1) Gluconic acid Production (9) 2) kojic acid production (9) 3) Fermentative production of Amylase by <i>Aspergillus niger</i> (9)	
25	2018-2019	<b>(SECC) Biotechnology Data Care Management</b>	-----	<b>Entire new course introduced</b>	

Sr. No	Year	Course name	Syllabus prior revision	Syllabus post revision	Annexure Extract of BOS minutes
1	2018-2019	Foundation of Biochemistry for Microbiologist	1) Enzymes (2) 2) Some fundamentals of biochemistry (7)	1) Ribozymes- types and therapeutic applications (3) 2) Proteins purification and characterization (6)	<p><b>Item (iii) Consideration of the minutes of the College Curriculum Committee meeting held on 21th January, 2019 at 10:00 a.m. in Faculty of Allied Sciences, KIMSDU, Karad, regarding proposed draft of revised syllabus in CBCS pattern of M.Sc. Microbiology and M.Sc. Biotechnology courses .</b></p> <p><b>Resolutions:</b> Resolutions passed in the meeting of College Curriculum Committee held on 21<sup>st</sup> January 2019 at 10.00 a.m. regarding the revision of the syllabi in M. Sc. Biotechnology and M. Sc. Microbiology courses (<b>CBCS pattern</b>) were discussed and approved and following resolutions were passed.</p> <p><b>Resolution:(iii) 1)</b> Resolved that the proposed draft of revised syllabus (<b>CBCS pattern</b>) in M. Sc. Biotechnology and M. Sc. Microbiology course syllabi as shown in Annexure I and Annexure II, be accepted.</p> <p><b>Resolution:(iii) 2)</b> Resolved further that revised syllabi (<b>CBCS pattern</b>) be implemented with effect from the academic year 2019-2020 in a phase manner ( i.e. for M. Sc. I implementation from the academic year 2019-20 and for M. Sc. II implementation from the academic year 2020-21).</p>
2	2018-2019	Biochemical, Biophysical Immunochemical and Microbiological Techniques		1) Identification of microorganisms by fatty acid lipid profile (2)	
3	2018-2019	Foundation of Cell Biology and Biostatistics for Microbiologist	1)Introduction to statistics (2)	1)Vital statistics - Death rate and death ratio, measures of morbidity and measures of mortality (2)	
4	2018-2019	Medical Microbiology and Immunology-I	1)Antigen and lymphoid system (4)	1)Immunological tolerance (4)	
5	2018-2019	Practical course I		1)Determination of susceptibility to dental carries by synder test (9) 2)Demonstration for the presence of actinophages (9)	
6	2018-2019	Practical course II		1)Determination of carbohydrates by Anthrone method (3)	



				2) Preparation of Buffers (3) 3) Preparation of Normal and Molar solutions (6)	
7	2018-2019	<b>(AECC) Yoga &amp; Meditation</b>	-----	<b>Entire new course introduced</b>	
8	2018-2019	Fundamentals for use of computers and communication skills and scientific writing and presentation		1) Communication skills - Interview skills (2)	
9	2018-2019	Microbial physiology and metabolism	2) Fermentations: Basic concept of fermentation, Lactic acid fermentation, Ethanolic fermentations (5)	1) Protein Metabolism - Biosynthesis of amino acids (2) 2) Purine and pyrimidine - de novo and salvage pathway (3)	
10	2018-2019	Microbial Genetics and Molecular biology		1) Genetics of population with reference to Hardy-Weimberg principle and it's applications (4) 2) Metabolism of nucleotides - synthesis and degradation (2)	
11	2018-2019	Medical Microbiology and Immunology-II	1) Vaccine toxoid and sera (3)	1) Vaccine technology - General methods, Disease specific vaccine Design - Tuberculosis vaccine, Malaria vaccine, HIV/AIDS vaccine. (4)	

12	2018-2019	Practical course IV	<p>1) Chemical mutagenecity &amp; Ames test (9)</p> <p>2) Isolation of nutritionally deficient mutant (9)</p>	<p>1)Nitrous acid mutagenesis in <i>Aspergillus nidulans</i> (9)</p> <p>2)Isolation of antibiotic resistant mutant (6)</p> <p>3)Preparing 'Abstract' for a given scientific paper (3)</p> <p>4)Writing a 'Summary and Conclusion' for a given Scientific Paper (3)</p> <p>5) Writing 'Result &amp; Discussion'part of the paper using given data (3)</p>	
13	2018-2019	<b>(SECC) A Soft Skills and Personality Development</b>	-----	<b>Entire new course introduced</b>	
14	2018-2019	Bioinformatics for Microbiologist	<p>Fundamentals of computers: (2)</p> <p>1) Computer components and their functions-overview</p> <p>2) Operating systems: Concepts, windows 2003/XP/VISTA , UNIX/LINUX</p>	<p>1) Biological databases- Immunoinformatics databases (2)</p>	
15	2018-	Food and Dairy Microbiology		1)Starter cultures for fermented milk products &	

	2019			fermented food products(2) 2) Nutraceuticals (1)	
16	2018-2019	Microbial Technology - I	<b>Principles of microbial growth (3)</b>	Computer application in fermentation technology (3)	
17	2018-2019	Environmental and Applied Microbiology		Nanofilm preparations (1)	
18	2018-2019	Practical Course V	1) Brucella ring test of goat milk (6) 2) Using Biological Database (12) Genbank, Swiss Prot, PDB 1)	2) Detection of mastitis through milk test (6) 3) Bioinformatics recourses - NCBI, EMBL, ExPassy(3) 4) Using nucleic acid databases - DDBJ, GenBank (3) 5) Using protein databases- Swiss prot, TrEMBL, Uniprot (3) 6) Construction phylogenetic trees (3)	
19	2018-2019	Practical Course VI		Treatability tests for Industrial effluents (9)	
20	2018-2019	<b>(AECC) Leadership Development</b>	-----	<b>Entire new course introduced</b>	
21	2018-2019	Enzymology	Specificity of enzyme action (3)	Enhancement of enzyme activity & thermostability using nanotechnology (3)	

22	2018-2019	Pharmaceutical Microbiology		Microbial production of amino acids (6)
23	2018-2019	Microbial Technology II	Computer application in fermentation technology	Production of acetone butanol by (2) fermentation
24	2018-2019	Recombinant DNA Technology	Basic tools and techniques of recombinant DNA technology (2)	Advances in animal & human cloning (2)
25	2018-2019	Practical Course VII		1) Production of yeast & yeast derived products (9)  2) Fermentative production of Amylase by <i>Aspergillus niger</i> (9)
26	2018-2019	<b>(SECC) Biotechnology Data Care Management</b>	-----	<b>Entire new course introduced</b>

Sr. No.	Year	Course Name	Syllabus Prior revision	Syllabus Post revision	Annexure extract of BOS minutes
1	2019 - 20	Human Anatomy and Physiology I (Theory)	<p><b>Unit I</b>  <b>Introduction to humanbody</b>            Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology.</p> <p><b>Tissue level of organization</b>            Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.</p> <p><b>Unit II</b>  <b>Integumentary system</b>            Structure and functions of skin</p> <p><b>Unit III</b>  <b>Body fluids and blood</b> Body fluids, composition and functions of blood, hemopoeisis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of</p>	<p><b>UnitI</b>  <b>Introduction to humanbody</b>            Definition and scope of anatomy and physiology, levels of structural organization and body systems, basic life processes, homeostasis, basic anatomical terminology. <b>Homeostasis Imbalance</b></p> <p><b>Tissue level of organization</b>            Classification of tissues, structure, location and functions of epithelial, muscular and nervous and connective tissues.</p> <p><b>Membranes Epithelial Mucous serous synovial membranes</b></p> <p><b>Unit II</b>  <b>Integumentary system</b>            Structure and functions of skin <b>effects of ageing on Skin</b></p> <p><b>Unit III</b>  <b>Body fluids and blood</b> Body fluids, composition and functions of blood,</p>	<p>The meeting of the Pharmacy Board of Studies of Krishna Institute of Pharmacy, Karad was held on, 22/2/2020 at 11.30 am at Krishna Institute of Pharmacy, Karad. Dean, Dr. R. C. Doijad Sir and Mr. AkshayVankudre were in chair.</p> <p><b>Item 3:</b>            II) <u>Teaching Pedagogies in various subjects:</u>  <b>Resolution:</b> The item was resolved as follows:  <b>A) PHARMACEUTICS:</b>  <b>i. BIOPHARMACEUTICS AND PHARMACOKINETICS</b>            In the Subject Biopharmaceutics and Pharmacokinetics (Semester-VI), it was decided that there shall BE 25 MCQs each on first three units and 13 and 12 MCQs on Unit IV and V respectively to be submitted to the university for the examination purpose.</p> <p><b>ii) INDUSTRIAL PHARMACY-II (Semester VII):</b>            Since the total content of the syllabus is industry-oriented, suggestions were asked for making the syllabus more</p>

		blood, Reticulo endothelial system.	hemopoeisis, formation of hemoglobin, anemia, mechanisms of coagulation, blood grouping, Rh factors, transfusion, its significance and disorders of blood, Reticulo endothelial system.  <b>Blood disorders</b>	understandable for the students. It was suggested that apart from industrial visits and talks from industry personnel, students should be deputed for training. Dr. Doijad mentioned that the students of the institutes are extremely serious about industrial training and visits to the Industry.
2	Human Anatomy and Physiology I (Practical)	<b>This practical is not in previous syllabus</b> <b>Determination of differential WBC Count</b>	<b>Determination of differential WBC Count</b>	Mr. Vankudre appreciated the fact that the Institute is being encouraged by the Industries for visits.
3	<b>Pharmaceutical Analysis I (Theory)</b>	Refractometry is not in previous syllabus	<b>Refractometry</b> -Principle, refractive index, specific and molar refraction, measurement of RI, construction and working of Abbe's refractometer, applications	<b>B) PHARMACEUTICAL CHEMISTRY:</b> <b>i) MEDICINAL CHEMISTRY-II and MEDICINAL CHEMISTRY-III:</b> <b>(Semester IV &amp; VI respectively)</b>
4	<b>Pharmaceutical Analysis I (Practical)</b>	Measurement of refractive index experiments are not in previous syllabus	<b>IV. Determination of refractive index</b>	Certain practicals require 7 Hours or 18 hours of heating, however the duration for a practical or an examination is 4 hours, thereby, the remedial measures for this practical difficulty were asked.
5	<b>Pharmaceuticals I (Theory)</b>	Pharmaceutical excipients are not in previous syllabus	<b>• Pharmaceutical excipients-</b> Introduction, need, role of excipients, selection criterion, in general classification	It was suggested that such practicals should be carried out for the understanding of the students but as a demonstration.
6	<b>Pharmaceuticals I (Practicals)</b>	Incompatibility experiments are not in previous syllabus	<b>Chemical incompatibility of alkaloidal salts with alkaline solution</b> <b>Chemical incompatibility-</b>	

				<p><b>Herapathite reaction</b>  <b>Chemical incompatibility of salicylates and benzoates with acids</b>  <b>Therapeutic incompatibility with respect to antagonism and synergism</b></p>	<p>These practicals should not be included in the Final Examination.  <b>ii) INSTRUMENTAL METHODS OF CHEMICAL ANALYSIS:</b>  <b>(Semester -VII)</b>          Since techniques like HPTLC, NMR, Mass spectroscopy, LCMS, GCMS should be known to the students, from GPAT point of view as well as for their interviews, it was asked whether they should be taught apart from the prescribed syllabus.          It was suggested that these points and their basics should be covered in a limited period of time for the benefit of the students.  <b>C)PHARMACOLOGY:</b>  <b>i) PHARMACOLOGY-III</b>          Out of 15 practicals in Pharmacology-III to be conducted by Simulation technique, 3 practicals do not have any reference on the internet or any software for their conduction. Therefore these practicals need to be conducted on isolated preparations like chicken ileum, goat trachea etc.          -The Institute requires a permission from CPCSEA to</p>
		<p><b>Pharmaceutical Inorganic Chemistry (Theory)</b></p>	<p><b>UNIT I</b>  <b>Impurities in pharmaceutical substances:</b> History of Pharmacopoeia, Sources and types of impurities, principle involved in the limit test for Chloride, Sulphate, Iron, Arsenic, Lead and Heavy metals, modified limit test for Chloride and Sulphate</p> <p><b>UNIT II</b>  <b>Major extra and intracellular electrolytes:</b> Functions of major physiological ions,</p> <p><b>Dental products:</b> Dentifrices, role of fluoride in the treatment of dental</p> <p><b>UNIT III</b>  <b>Gastrointestinal agents</b>  <b>Acidifiers:</b> Ammonium chloride* and Dil. HCl  <b>Antacid:</b> Ideal properties of antacids, combinations of</p>	<p><b>UNIT I</b>  <b>Impurities in pharmaceutical substances:</b> History of Pharmacopoeia, <b>Year wise developments in Indian Pharmacopoeia.</b> Sources and types of impurities, principle involved in the limit test for Chloride, Sulphate, Iron, Arsenic, Lead and Heavy metals, modified limit test for Chloride and Sulphate</p> <p><b>UNIT II</b>  <b>Major extra and intracellular electrolytes:</b> Functions of major physiological ions, <b>Electrolytes fluid compartment, Functions of electrolytes</b></p> <p><b>Dental products: Ideal Characteristics of dental products</b>  <b>Anti caries agents</b> Sodium fluoride, and Zinc eugenol cement</p>	

		<p>antacids, Sodium Bicarbonate*, Aluminum hydroxide gel, Magnesium hydroxide mixture</p> <p><b>Cathartics:</b> Magnesium sulphate, Sodium orthophosphate, Kaolin and Bentonite</p> <p><b>UNIT IV</b> <b>Emetics:</b> Copper sulphate*, Sodium potassium tartarate</p>	<p><b>UNIT III</b> <b>Gastrointestinal agents</b> <b>Acidifiers: Types of acidifiers,</b> Ammonium chloride* and Dil. HCl</p> <p><b>Antacid:</b> Ideal properties of antacids, combinations of antacids, Sodium Bicarbonate*, Aluminum hydroxide gel, Magnesium hydroxide mixture</p> <p><b>Cathartics:</b> Mechanism, classification, Magnesium sulphate, Sodium orthophosphate, Kaolin and Bentonite</p> <p><b>UNIT IV</b> <b>Emetics:</b> Mechanism, Copper sulphate*, Sodium potassium tartarate</p>	<p>conduct these practicals at an Undergraduate level.</p> <p>-It was decided that the institute shall obtain the needful.</p> <p><b>ii) PHARMACY PRACTICE: (Semester-VII)</b></p> <p>-There is no practical syllabus prescribed for this subject. However for better understanding of the students, it has been decided that some practicals should be conducted in the Hospital premises (eg. Practical related to Adverse Drug Reactions)</p> <p>-Dr. Doijad suggested that patient counseling can be included as it is an important part of Pharmacy Practice.</p> <p>-Mr.Vankudre suggested seeking help from Pharm D Institutes.</p>
7	<b>Human Anatomy and Physiology II(Theory)</b>	<p><b>Unit I 10 hours</b> <b>Nervous system</b> Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters. Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid. structure and functions of</p>	<p><b>Unit I 10 hours</b> <b>Nervous system</b> Organization of nervous system, neuron, neuroglia, classification and properties of nerve fibre, electrophysiology, action potential, nerve impulse, receptors, synapse, neurotransmitters. Central nervous system: Meninges, ventricles of brain and cerebrospinal fluid. structure and functions</p>	<p><b>D) PHARMACOGNOSY:</b> <b>i) PHARMACOGNOSY AND PHYTOCHEMISTRY-II: (Semester V)</b></p> <p>Certain practicals require overnight maceration or extraction however the duration for a practical or an examination is 4 hours, thereby, the remedial</p>



		<p>brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts, reflex activity)</p> <p><b>Unit III</b></p> <p><b>Urinary system</b> Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex and role of kidneys in acid base balance, role of RAS in kidney and disorders of kidney.</p>	<p>of brain (cerebrum, brain stem, cerebellum), spinal cord (gross structure, functions of afferent and efferent nerve tracts, reflex activity)</p> <p><b>Effect of ageing on the nervous system</b></p> <p><b>Unit III</b></p> <p><b>Urinary system</b> Anatomy of urinary tract with special reference to anatomy of kidney and nephrons, functions of kidney and urinary tract, physiology of urine formation, micturition reflex and role of kidneys in acid base balance, role of RAS in kidney and disorders of kidney. <b>Effects of ageing on urinary system</b></p>	<p>measures for this practical difficulty were asked. It was suggested that these practicals should be conducted as demonstrations and not be included in examination.</p> <p><b>ii) HERBAL DRUG TECHNOLOGY: (Semester VI)</b></p> <p>UNIT II: suggestions regarding choice of drugs to be covered under herbal cosmetics were asked, wherein it was suggested that commonly available and used drugs should be taught</p> <p>UNIT IV: suggestions regarding covering WHO and ICH guidelines along with evaluation of crude drugs should be done or evaluation part should be skipped (since it was a part of previous semester) were asked. Herein, Dr. Doijad suggested that the Evaluation of crude drugs part should be brushed up through seminar and group discussion and should be re-taught concisely.</p> <p>Mr. Vankudre suggested to carry out risk assessment as to what impact would skipping a particular point have on the</p>
8	<b>Pharmaceutical organic Chemistry I (Theory)</b>	<p><b>UNIT-V</b></p> <p><b>Aliphatic Esters</b> Structure Nomenclature, Methods of preparation and Chemical Properties of Esters. <b>This point is not in previous syllabus</b></p>	<p><b>UNIT-V</b></p> <p><b>Aliphatic Esters</b> Structure Nomenclature, Methods of preparation and Chemical Properties of Esters.</p>	
9	<b>Pharmaceutical organic Chemistry I (Practical)</b>	<p><b>Practical of analysis of binary mixture is not in previous syllabus</b></p>	<p>Analysis of one binary mixture containing acid, base, phenol and neutral compound.</p>	

10		<b>Biochemistry (Theory)</b>	<p><b>UNIT I Biomolecules</b> Introduction, classification, chemical nature and biological role of carbohydrate, lipids, nucleic acids, amino acids and proteins</p> <p><b>UNIT III Amino acid metabolism</b></p> <p><b>UNIT V Enzymes 07 Hours</b> Introduction, properties, nomenclature and IUB classification of enzymes Enzyme kinetics (Michaelis plot, Line Weaver Burke plot)</p>	<p><b>UNIT I 08 Hours Biomolecules</b> Introduction, classification, chemical nature and biological role of carbohydrate, lipids, nucleic acids, amino acids and proteins <b>Biochemical organization of Cell.</b></p> <p><b>UNIT III Amino acid metabolism</b> Amino acid pool: sources and utilization</p> <p><b>UNIT V Enzymes 07 Hours</b> Introduction, properties, nomenclature and IUB classification of enzymes Enzyme kinetics (Michaelis plot, Line Weaver Burke plot) Factors affecting enzyme activity Types of Enzyme Inhibition: Competitive, Non Competitive, uncompetitive</p>	<p>student performance and knowledge.</p> <p><b>It was unanimously decided that apart from the above mentioned suggestions an approximate 20% revision of syllabus should be carried out for the syllabi Semesters I &amp; II. [The details of which are attached as a supplement to the minutes of the meeting]</b></p>
11		<b>Biochemistry (Practical)</b>	Qualitative analysis of urine for abnormal constituents	Qualitative analysis of urine for normal and abnormal constituents Demonstration of blood withdrawal techniques.	
12		<b>Pathophysiology (Theory)</b>	<p><b>Unit IV</b></p> <ul style="list-style-type: none"> <li>Inflammatory bowel diseases, jaundice, hepatitis (A,B,C,D,E,F)</li> </ul>	<p><b>Unit IV</b></p> <ul style="list-style-type: none"> <li>Inflammatory bowel diseases, jaundice, hepatitis</li> </ul>	

		<p>alcoholic liver disease.</p> <ul style="list-style-type: none"> <li>• Disease of bones and joints: Rheumatoid arthritis, osteoporosis and gout</li> <li>• Principles of cancer: classification, etiology and pathogenesis of cancer</li> </ul> <p><b>Unit V</b></p> <ul style="list-style-type: none"> <li>• Infectious diseases: Meningitis, Typhoid, Leprosy, Tuberculosis, Urinary tract infections</li> <li>• Sexually transmitted diseases: AIDS, Syphilis, Gonorrhoea</li> </ul>	<p>(A,B,C,D,E,F) alcoholic liver disease.</p> <ul style="list-style-type: none"> <li>• Disease of bones and joints: Rheumatoid arthritis, Osteoarthritis, osteoporosis and gout</li> <li>• Principles of cancer: classification, etiology and pathogenesis of cancer</li> </ul> <p><b>Unit V</b></p> <ul style="list-style-type: none"> <li>• Infectious diseases: Meningitis, Typhoid, Leprosy, Tuberculosis, H1N1, Urinary tract infections</li> <li>• Sexually transmitted diseases: AIDS, Syphilis, Gonorrhoea</li> </ul>	
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**REGISTRAR**  
 Krishna Institute of Medical Sciences  
 "Deemed To Be University", Karad