



BLDE

(DEEMED TO BE UNIVERSITY)

Declared as Deemed to be University u/s 3 of UGC Act, 1956

The Constituent College

SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, VIJAYAPURA

1.1.2 Minutes of relevant Academic Council/BoS meetings

MBBS (Phase-II) 2016 curriculum revision minutes of relevant BoS meetings.

INDEX

Sl.No	Content	Page No
1.	BoS Pathology	1-9
2.	BoS Microbiology	10-18
3.	BoS Forensic Medicine and Toxicology	19-22
4.	BoS Pharmacology	23-31

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BOARD OF STUDIES (PATHOLOGY)

Minutes of the BOS Meeting

BOS meeting

Date : 22/03/2016

Agenda:

- 1) UG curriculum for revision.
- 2) Curriculum of Allied courses.
- 3) New courses.
- 4) Review of existing courses.
- 5) Review of PhD Programmes.
- 6) Recognition of PhD guide /PG teacher.
- 7) Question papers Vs Results analysis.
- 8) Preparation of Curriculum on area of specialisation for Pre Phd. Examination (Background Paper).
- 9) Review of Progress Reports of PhD Scholars
- 10) Panel of examination.
- 11) Any other matter with permission

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Smt. Bangaramma Sajjan Campus, Sholapur Road, Vijayapur – 586103, Karnataka, India.

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MINUTES OF THE BOS MEETING

Date : 22.03.2016

Time: 10.30 AM

Venue: Academic Council Hall, BLDE University

Following members attended the meeting

1. Dr.Ramdas Nayak (External member)
2. Dr Malathi M (External member)
3. Dr.B.R.Yelikar
4. Dr.Surekha U.Arakeri
5. Dr.R.M.Potekar
6. Dr.Surekha B.Hippargi
7. Dr.Mahesh H.Karigoudar
8. Dr.Vijayalaxmi.S.Patil
9. Dr Anita P Javalgi

Dr.B.R.Yelikar, Prof and HOD, welcomed all BOS members and introduced agenda of the meeting

1. Confirmation of the minutes of the previous BOS meeting: members confirmed the minutes of previous BOS meeting.

2. Curriculum of allied courses :No changes.

3. New courses: Dr.B.R Yelikar told that the proposal for the Postgraduation in transfusion medicine will be taken after the PG inspection for increase of seats. Dr. Malathi suggested that BscMLT course of 3 years duration can be started. She also gave a brief idea of the course being conducted at KMIO, Bengaluru

4. Review of existing courses: Various Changes made in the UG curriculum were highlighted by Dr. Vijayalaxmi. The members approved for reduction in the numbers of didactic lectures,incorporation of active learning methods like case discussion, problem based learning and integrated teaching. (Details at the end)

The PG curriculum changes were highlighted by Dr. R.M .Potekar. (Details at the end)

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Dr. Malathi suggested that at least one CPC (clinicopathological correlation) should be conducted for the undergraduates every year,. All the members agreed for the same.

Dr. Ramdas Naik suggested that work based assessment of the postgraduate students by section incharge should be done and report should be submitted to the HOD. He also told that instead of conducting special stain procedure in the PG exas, stained slides should be given for interpretation. He also told that instead of block cutting exercise problematic sections should be given for interpretation. All the members agreed. Dr. Malathi suggested that integrated teaching for PG students can be done with common topics involving major clinical departments.

5. Review of PhD courses: Review of PhD programme was done. Both registered candidates are submitting their quarterly progress reports.

6. Recognition of PhD guide/PG teacher: Dr. R.M. P[otekar and Dr. Surekha Hippargi had applied previously for PhD guide and both have been approved as PhD guides.

7. Question Paper V/s Result Analysis:

The members felt that the long essay type question (Clinical case) of both the papers were difficult. Everyone felt that atleast one pathological finding as a clue should be included in the questions.

To improve the results, Dr. Malathi suggested that instead of two problem based long essay questions only one problem based question should be included. Dr. Ramdas Naik felt that the long essay, short essay questions should be given to thew paper setters.

8. Preparation of curriculum on area of specialistaion for pre PhD examination(background paper): Not Applicable as no PhD admission in 2015

9. Panel of examiners: Panel of examiners was discussed.

10. Any other matter with prpermission of the chair: Nil

Dr.B.R. Yelikar thanked all the BOS members, specially external member for making it convenient to attend the meeting.


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Medical College, BIJAPUR-58610.

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Department of Pathology

UG CURRICULUM : Changes suggested in the II M.B.B.S. curriculum:

Sl.No	Present status	Changes made
01	Course Content – Theory	Teaching schedule theory specified with topics for various teaching- learning methods like case discussion, seminars, group discussion, self study, interactive session & problem based learning. Topics divided into three categories namely 1. Must to know 2. Desirable to know 3. Nice to know
02	Practicals	Teaching schedule practical specified with topics for various teaching- learning methods like Case study & chart discussion Learning by QR code
03	Teaching learning method	Introduction of use of case studies, student seminars, clinico Pathologic conferences ,interactive sessions, problem based learning & charts for student learning. Integrated teaching. Video/practical demonstration of procedures like Bone marrow aspiration, lumbar puncture, pleural & ascetic fluid tapping
04	Evaluation	No changes made

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PG CURRICULUM : Changes made in MD Pathology curriculum

Sr n o.	Contents	Existing	Changes made
1	Goals	-	None
2	Objectives	-	None
3	Course contents	-	None
4	Teaching learning methods	<p>On job training includes</p> <ol style="list-style-type: none"> 1. Histopathology including techniques and reporting 2. Cytology including FNAC (direct and guided), fluid cytology ,exfoliative cytology- techniques and reporting 3. Haematology including blood banking and transfusion medicine- techniques and reporting 4. Clinical pathology- techniques and reporting 5. Museum techniques 6. Autopsy techniques and interpretation 7. Microbiology –Serology, Handling of hazardous material 8. Undergraduate teaching 9. Clinico Pathological Correlation 10. Frozen section 11. Immuno Histo Chemistry 12. Fluorescent microscopy 13. Electron microscopy 14. Biomedical waste 	<p>On job training topics added –</p> <p>cytospin ,flow cytometry, cytogenetics, Preconference presentation, SARS presentation,. Post seminar test</p>

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		management	
5	Formative assessment	Training in answering model questions- on one topic every month	Theory test on one topic every month , Slide test, Surgical path test. Departments may conduct three tests, two of them be annual tests, one at the end of first year and the other in the second year. The third test may be held three months before the final examination
6	Suggested changes in summative assessment	<p>Theory paper –Four papers of 2 long questions -20 marks each, 6 short essay questions – 10 marks each Questions on recent advances may be asked in any or all the papers.</p> <p>Practical: DAY 1: a. Autopsy/Reconstructed autopsy (organ systems) -25 marks b.Gross/morbid Anatomy - 15 specimen -25 marks c.Haematology & Cytology slides - 9+9 slides - 25marks d.Histopathological Techniques: -25 Marks 1.Frozen section, 2.Block cutting and staining - H & E 3.Special stain (minimum</p>	<p>Theory paper-Four papers of 10 questions of 10 marks each Paper I – General Pathology - 100 Marks Paper II – Haematopathology/Clinical Pathology/Cytopathology - 100 Marks Paper III – Systemic Pathology - 100 Marks Paper IV – Recent advances in pathology - 100 Marks</p> <p>Practical: DAY 1: a. Haematology and clinical pathology (i) Clinical case/History/clinical data discussion -25 Marks (ii) Haematology exercise including Blood Banking -25 Marks b. Autopsy/Reconstructed autopsy (organ systems) - 25 marks c. Gross/morbid Anatomy - 15 specimens -25 marks d.Haematopathology &</p>

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	<p>of 8 special stains) 4.Cytology stain (minimum of 4 special stains) e. Lecture topic allotment</p> <p>DAY 2: a.Haematology and clinical pathology (i) Clinical case/History/clinical data discussion -25 Marks (ii) Haematology exercise including Blood Banking - 25 Marks b.Histopathology slides - 20 slides -50 Marks (Autopsy final report)</p>	<p>Cytopathology slides - 9+9 slides - 25 marks e. Lecture topic allotment</p> <p>DAY 2: a) Histopathological Techniques: -25 Marks 1. Staining - H & E 2. Special stain (1out of panel of 8 special stains) 3. Cytology stain (1out of panel of 4 special stains)</p> <p>b) Histopathology slides - 20 slides -50 Marks (Autopsy final report)</p>
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Changes made in Diploma in Clinical Pathology

Sr no.	Contents	Existing	Changes made
1	Goals	-	None
2	Objectives	-	None
3	Course contents	-	None
4	Teaching learning methods	<p>On job training includes 1.Histopathology including techniques and reporting 2. Cytology including FNAC (direct and guided), fluid cytology ,exfoliative cytology- techniques and reporting 3.Haematology including blood banking and transfusion medicine-</p>	<p>On job training topics added – cytospin ,flow cytometry, cytogenetics, Preconference presentation, SARS presentation, Post seminar test</p>

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		<p>techniques and reporting</p> <p>4. Clinical pathology- techniques and reporting</p> <p>5. Museum techniques</p> <p>6. Autopsy techniques and interpretation</p> <p>7. Microbiology –Serology, Handling of hazardous material</p> <p>8. Undergraduate teaching</p> <p>9. Clinico Pathological Correlation</p> <p>10. Frozen section</p> <p>11. Immuno Histo Chemistry</p> <p>12. Fluorescent microscopy</p> <p>13. Electron microscopy</p> <p>14. Biomedical waste management</p>	
5	Formative assessment	<p>Theory test on one topic every month</p> <p>Department may conduct two tests, one at the end of first year and the other in the final year, may be held three months before the final examination</p>	<p>Theory test on one topic every month , Slide test, Surgical path test.</p> <p>Department may conduct two tests, one at the end of first year and the other in the final year, may be held three months before the final examination</p>
6	Suggested changes in summative assessment	<p>Theory paper –Three papers of 100 marks containing</p> <p>2 long questions -20 marks each,</p> <p>6 short essay questions – 10 marks each</p> <p>Questions on recent</p>	<p>Theory paper-Three papers of 100 marks each containing 10 questions of 10 marks each</p>

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	<p>advances may be asked in any or all the papers.</p> <p>Practical: DAY 1: 1. Microbiology Exercise. 25 Marks 2. Clinical case/data of examination/discussion, Hematology exercise, Biochemistry exercise, Urine Analysis .- 50 Marks 3. Histopathology Techniques, Hematoxylin and Eosin stain Cytology stain- 25 Marks DAY 2: 1. Reporting on Microbiology exercise 2. Histopathology slides – 8 in numbers 3. Cytopathology slide – 8 in numbers 4. Haematopathology slides – 8 in numbers- 50 Marks</p>	<p>Practical: No changes suggested</p>
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J/c SA
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BOARD OF STUDIES (MICROBIOLOGY)

Minutes of B.O.S. meeting conducted on 20.02.2016.

B.O.S meeting of Microbiology was held on 20.02.2016 at 10:30 A.M. in the Board room of BLDE University, following members attended the meeting.

1. Dr.P.R.Shahapur, Chairman B.O.S Microbiology
2. Dr Aparna Takpere- Member B.O.S
3. Dr A G Sajjan- Member B.O.S
4. Dr.Smitha. Bagali – Member B.O.S
5. Dr.Jyoti P -Member B.O.S
6. Dr Rashmi Karigoudar– Member B.O.S
7. Dr.Savio Rodrigues External member, B.O.S Microbiology

Confirmation of the minutes of previous meeting were passed.

Curriculum of allied courses and new courses – DMLT as allied course was suggested once again by external member of B.O.S. Physiotherapy Diploma was also suggested as a new course, as these courses can be started with existing infrastructure only.

Review of existing courses: P.G. Curriculum –

P.G curriculum is as per the MCI norms but external member suggested the Animal Experiments exercise can be removed as it is not practiced routinely by most of the departments in country. Feedbacks from various stakeholders regarding existing curriculum was collected and analyzed. Following changes were suggested for revision of curriculum. (Annexure I)

U.G. Curriculum

All members suggested, in UG practical examination viva voce virology should be covered separately. Feedbacks from various stakeholders regarding existing curriculum was collected and analyzed. Following changes were suggested for revision of curriculum. (Annexure II)

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Review of PhD Programs: For PhD course in microbiology 1 candidate registered this year.

The need of co-guide from the department/university was once again stressed upon and that will in turn help in the academic and research growth in the campus.

Preparation of curriculum on area of specialization for Pre PhD Examination: The

external member is of the opinion that , the degree awarded will be Ph.D in Microbiology

hence the back ground Paper for Pre-PhD should include Recent advances, ongoing

epidemics, molecular diagnostic methods and relevant National programmes of concerned specialty.

Question paper Versus result analysis

Question paper & result analysis of M.B.B.S Students Phase II appeared in Jan 2016 was analyzed. Question papers were found to be adequate. The result analysis was as follows

Total allotted for the examination:- 126

Candidates absent – 13

Appeared for the examination:-113

Pass- 86 (76.1%)

First class: 47 (54.7%)

Pass Class: 39 (45.3%)

Fail- 27 (23.9%)

Review of panel of examiners: Panel of internal and external examiner was reviewed by all B.O.S. members and approved by the members.


Professor & Head
Department of Microbiology
B.L.D.E. University's
Shri B.M. Patil Medical College
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Annexure I

PG curriculum Revision 2016 (MICROBIOLOGY)			
Sl. No	Content	Existing	Change made
1	Goals	<p>At the end of course the student may be able to work following areas as</p> <ol style="list-style-type: none"> 1.Clinical microbiologist - Train students of medicine in the field of medical Microbiology. Theoretical and Practical training is given to in the subspecialties viz., Bacteriology, Virology, Parasitology, Immunology and Mycology so that Microbiologist should guide the clinician for proper diagnosis and treatment of infectious diseases for better patient care. 2.Biomedical research - They are introduced to basic research methodology in Medical Microbiology. He may be able to plan and organize the basic research in medical Microbiology conduct fundamental and applied research. 3. Teaching: They are also trained in teaching methods which may enable them to take up teaching assignment in medical colleges/institutions and also guide the designing of curriculum, lesson plan for theory and practical classes. 	No changes suggested
2	Objectives	<p>At the end of the course the students will be able to:</p> <ol style="list-style-type: none"> 1. Establish good "Laboratory medicine" in hospital and community in the field of bacteriology, virology, Parasitology, immunology and mycology. 2. Participate in hospital infection control and guide appropriate hospital waste disposal. 3. Undertake teaching assignment of microbiology in a medical college. 4. Undergo specialization in any of the above subspecialties. 5. Carry out applied and 	No changes suggested

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		<p>fundamental research in various branches of medicine involving microbiological work. 6. Assist to conduct investigations of outbreaks of infectious diseases in public health field.</p> <p>Specific Learning Objectives: At the end of the course a postgraduate student in Microbiology should be able to: 1. Demonstrate comprehensive knowledge and understanding of Microbiology. 2. Comprehend and understand the life cycles of microbes and the diseases caused by them. 3. Select and use appropriate teaching techniques and resources. 4. Critically evaluate published journal literature and to effectively use the library facilities including computer, C.D. Rom and Satellite search. 5. Carryout relevant research. 6. Function as an effective member of teaching team or research team. 7. Carryout professional obligations ethically and keeping in view national health policy.</p>	
3	Course Content	<p>Theory topics existing in the present curriculum Biomedical waste management, 1998.</p> <p>Skills: Care and breeding of laboratory animals viz., Mice, Rats, Guinea pigs Rabbits, and also experiments on various laboratory animals, Conjugation experiments, In-vitro culture for parasites, viz., Malarial parasites and Amoeba, Maintenance of</p>	<p>Topics removed from curriculum: Theory: Biomedical waste management, 1998.</p> <p>Skills: Care and breeding of laboratory animals viz., Mice, Rats, Guinea pigs Rabbits,</p>

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		toxoplasma, Fecal culture for diagnosis of Nematode larvae, Chick embryo techniques,	and also experiments on various laboratory animals, Conjugation experiments, In-vitro culture for parasites, viz., Malarial parasites and Amoeba, Maintenance of toxoplasma, Fecal culture for diagnosis of Nematode larvae, Chick embryo techniques, Topics included: Theory: Biomedical waste management, 2015. Antifungal drugs and susceptibility testing Immunization Schedules Sexually transmitted diseases Skills: Sputum concentration techniques, Laboratory diagnosis of toxoplasma, Laboratory diagnosis of malaria, Laboratory diagnosis of Coccidian parasites, ELISA technique for viral diagnosis
4	Teaching-	1 Seminars 2. Culture seminars &	No changes suggested

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B.L.D.E. UNIVERSITY

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	Learning methods	<p>serological tests 3. Animal experiments 18 4. Journal clubs 5. Symposia 6. Teaching – undergraduate students 7. Slide seminars 8. Preparation of dissertation under the guidance of a recognized teacher 9. Postings to other institutions 10. Guest lectures</p> <p>Seminars once in week, Culture seminars once a week, Clinical sample seminars once a month, journal club once a week, symposia once in semester.</p> <p>Students will be posted for Allied and Applied Departments during the period of III, IV and V terms. Total period not exceeding 3 months. The departments are: 1. Virology & Vaccinology etc., - 1 month 2. Clinical Pathology - 1 month 3. Clinical Biochemistry - 1 month</p> <p>The candidates are posted to different institutions for applied Microbiology like Virology, Vaccinology etc</p>	
5	Formative assessment	<p>Progress of the student is monitored by conducting periodical assessment tests</p> <p>The Student shall maintain a Log Book and assessment records are maintained by the Guide/s and Head of the Department.</p>	No changes suggested
6	Suggested changes in summative	<p>Theory consists of four papers each of 100 marks : 400 Marks</p> <p>Practicals conducted for 3 days : 200 Marks</p> <p>Viva-voce : 100 Marks</p> <p>Details of distribution of topics for each paper will be as follows:</p> <p>PAPER I General Microbiology and Immunology</p> <p>PAPER II Systematic Bacteriology</p> <p>PAPER III Mycology and Virology</p> <p>PAPER IV Parasitology.</p>	<p>Changes suggested</p> <p>Practicals : 300 Marks</p> <p>PAPER IV : Parasitology and Applied Microbiology</p> <p>Topic distribution for practical 1 Long exercise Bacteriology 60 marks</p>

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	<p>Topic distribution for practical</p> <ol style="list-style-type: none"> 1 Exercise in clinical bacteriology. Isolation and identification of bacteria from various clinical samples(50 marks), 2. Exercise in bacteriological techniques.(20 marks) Isolation and identification of bacteria from a pure culture 3. Identification of various fungi, and slide culture (20 marks) 4. Exercise in virological techniques(20 marks) 5. Exercise in Parasitology(20 marks) 6. Histopathology: Identification of slides (20 marks) 7. Serology exercise in Bacteriology and Virology(20 marks) 8. Applied bacteriological techniques or special Staining or Serology exercise any one exercise (20 marks) 9. Laboratory animals; handling,use and care of laboratory animals(10 marks) <p>Total marks for practical 200</p>	<p>2 Short exercise Bacteriology 30 marks 3Mycobacteriology / Special staining 30 marks Exercise in Virology 30 marks Exercise in Immunology 30 marks 6 Exercise in Mycology 30 marks 7 Exercise in Parasitology 30 marks 8 Serology Exercise 30 marks 9 Identification of Slides 30 marks</p> <p>Total marks for Practicals 300 marks</p>
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Professor & Head
Department of Microbiology
B.L.D.E. University's
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Annexure II

UG curriculum revision 2016 (MICROBIOLOGY)			
Sl. No	Content	Existing	Change made
1	Goals	-	Goals introduced: <ol style="list-style-type: none"> Globally competitive centre of excellence in infectious disease diagnosis and research To produce next generation of global leaders in infectious disease. To produce highly skilled & competent microbiologist to face emerging infectious disease threats To support our national needs of infectious disease diagnosis, outbreak investigations and preventive measures.
2	Objectives	As per previous pattern	No changes suggested
3	Course Content	Demonstration of three serological tests 1) Hemagglutination test 2) Hemagglutination inhibition test 3) complement fixation test were present in existing syllabus	Demonstration of three serological tests 1) Hemagglutination test 2) Hemagglutination inhibition test 3) complement fixation test were present in existing syllabus are removed from revised syllabus. Following topics are added: Theory: Collection of samples Viral Vaccines Emerging & remerging viral infections Automated systems in microbiology Molecular methods in diagnostic microbiology Practical: Determination of C reactive protein Determination of Antistreptolysin O Determination of Rheumatoid factor Weil-Felix test Brucella agglutination test
4	Teaching-Learning methods	Students were motivated to prepare models	Teaching schedule theory specified with topics for various teaching- learning methods like lecture, seminars, group discussion, tutorials & self study.

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		and flow charts for better understanding of structure of microorganism and their life cycle	Teaching schedule practical specified with topics for various teaching- learning methods like chart discussion. Topics for seminar: 1. Normal microbial flora 2. Monoclonal antibodies 3. Non sporing anaerobes 4. Miscellaneous Bacteria – I 5. Miscellaneous Bacteria – II 6. Miscellaneous Viruses 7. Trematodes (except schistosomes) 8. Oncogenic viruses 9. Mycotoxicosis, otomycosis and occulomycosis 10. Larva migrans Topics for Tutorial: 1. Collection & transportation of sample 2. ABST 3. Biomedical waste management 4. Immunoprophylaxis 5. Bacteriology of Water, milk air 6. Recent advances in diagnostic microbiology 7. Lab diagnosis of Parasitic infection 71 8. Lab diagnosis of Fungal infection 9. National programs 10. Standard Precaution Topics for Group discussion: 1. Blood stream Infection 2. Respiratory Tract Infections 3. Meningitis 4. Urinary Tract Infections 5. Sexually Tract Infections 6. Diarrhea and food poisoning 7. Skin and soft Tissue Infections 8. Pyrexia of Unknown origin 9. Zoonoses 10. Nosocomial Infections
5	Formative assessment	As per previous pattern	No changes suggested
6	Suggested changes in summative assessment	As per previous pattern	No changes suggested


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VIJAYAPURA

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Ref.No: FMT/BOS/Oct-2016/

Date: 17-10-2016

Proceeding of Board of Studies meeting in the subject of Forensic Medicine & Toxicology dated 10th Oct 2016, At B.L.D.E.University, Vijaypur.

Following members attended the meeting external Member.

Dr. Pradeep Kumar G, Director, Quality compliance and Professor, Dept of Forensic Medicine & Toxicology, KMC Manipal.

Dr.D.G.Gannur, Prof & HOD, Dept of Forensic Medicine & Toxicology.

Dr.U.C.Nuchhi, Assoc. Prof, Dept of Forensic Medicine & Toxicology.

Dr.C.B.Bhuyyar, Asst Prof, Dept of Forensic Medicine & Toxicology.

Dr.Shrikant.B, Tutor, Dept of Forensic Medicine.

Agenda:

- New Courses
- Curriculum & allied courses.
- Question paper Vs Result analysis
- Panel of examiners
- Any other matter with the permission of the chair

Prof & HOD of Forensic Medicine and Toxicology, Chairman BOS, BLDEUniversity well come all the members. Last meeting proceeding dated 27th Nov 2016 were read and confirmed.

New Courses:

Regarding the new certificate courses our external member suggested that we need to take suggestion from Inspector General of Police, Bangaluru then only we can start as per the requirement in relation to above mentioned matter our external member also informed the house that he has already forwarded the copy of certificate courses to the DGP once a received information regarding the same then we can start certificate courses for Police Officer. At your university.

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Curriculum & allied courses.

Dr.D.G.Gannur, Prof & Head, Dept of Forensic Medicine & Toxicology informed the house that we have revised curriculum within the ambit of MCI and both the Undergraduate and Postgraduate available in college website for information.

Question paper Vs Result analysis:

Dr.D.G.Gannur, Prof & Head, Dept of Forensic Medicine & Toxicology informed the house about remedial classes conducted for Undergraduate students before the final examination, External member suggested that pattern of examination for Undergraduate has to be reviewed periodically, Chairman BOS accepted the suggestion.

Panel of examiners:

As per the suggestion by external member we have updated the panel of examiners in undergraduate and postgraduate

Any other matter with the permission of the chair.

Research project, External member suggested the house that take more number of research project individual and combine together, after the completion published the same in Index journal.

Dr.D.G.Gannur, Prof & Head, Dept of Forensic Medicine & Toxicology informed about the functioning of Poison Detection and Poison information centre at casualty and we will be publishing the article about that in index journal. External member and our colleague appreciated work done by PD/PI by Dr.D.G.Gannur and team, external member Dr. Pradeepkumar G also suggested take few more tests which are within vicinity, (Regarding plant poison and Drug dependents). So that it issuing to help physicians

Dr.D.G.Gannur, Prof & Head, whole hearted excepted the suggestion and coming days will be in corporate.

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Dr.D.G.Gannur, Prof & Head, Dept of Forensic Medicine & Toxicology informed the house that he will be presenting four year material in Toxicon-10 which will be held at Amrita Institute of Medical Sciences, Cochin on 28th & 29th Dec 2016, he also informed the house about our mentor Dr.V.V.Pillay will be visiting to our department in the month of last week of February 2017.

The meeting was concluded with vote of thanks proposed by HOD, Forensic Medicine & Toxicology.


Chairman
Professor & Head.
Dept. of Forensic Medicine
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2016-17 UG curriculum forensic medicine

Sl. No	Content	Existing	Change made
1	Teaching-Learning methods	Forensic Medicine for MBBS phase II Practicals no specified teaching learning methods. Forensic Medicine-Phase II MBBS :Teaching learning method	Forensic Medicine for MBBS phase II :Teaching schedule practical specified with topics for various teaching-learning methods like Case study & chart discussion. Forensic Medicine-Phase II MBBS : Integrated teaching, Group discussion, seminars, interactive teaching. • Sudden death • Suspected unknown compound poisoning • Mechanical injury • POCSO act • Burns
2	Formative assessment	Forensic Medicine: Practical's desirable to know	Forensic Medicine-Phase II: OSPE & MCQ Test is incorporated as desirable to know in practical's

[Handwritten Signature]
Professor & Head.
 Dept. of Forensic Medicine
 B.L.D.E. University's
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DEPARTMENT OF PHARMACOLOGY

MINUTES OF B.O.S MEETING

16.03.2016

11th BOS meeting held on 14.3.16 Monday at 10.00AM in the University

The following members were present:

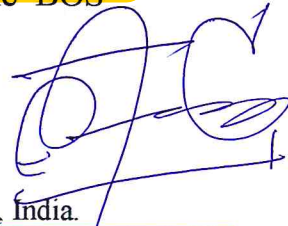
1	Dr. A.A.Naikawadi	Prof. & HOD, & Chairman BOS
2	Dr. V U Narsapur	Professor, Member
3	Dr. Anant Khot	Asst. Prof. Member
4	Dr. Ambadasu B,	Lecturer, Member
5	Dr. Vijay M. Motghare	Professor & head Department Of Pharmacology Government Medical College, Nagpur. (External BOS Member)

- Confirmation of minutes of the previous meeting :Since no suggestions/clarifications were made the minutes of previous meeting were approved
- Curriculum of Allied Courses: No new courses in the Dept.
- New courses: There are no new courses planned in the Dept.
- Review of existing courses: Curricular activities of MBBS & MD Pharmacology reviewed.
- Review of PhD programmes: 1st report is submitted by PhD Scholars.
- Recognition of PhD Guide/PG teacher: Dr AA Naikawadi & V U Narsapur will be recognized by University.
- Question papers Vs. results analysis: Prof & HOD gave the details of question papers set by the BLDE University. Results analysis opined appropriate and Results were good
- Revision of UG and PG Medical curriculum.**
UG and PG revised curriculum was discussed in detail and all the BOS members accepted the changes made.

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Professor & HOD
Dept. of Pharmacology
BLDEU's Shri B. M. Patil
Medical College VIJAYAPU


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S I N o	Content	UG CURRICULUM 2012	UG CURRICULUM 2016(REVISED)
1	Goals	The broad goal of the teaching of undergraduate students in Pharmacology is to inculcate a rational and scientific basis of therapeutics.	The broad goal of the teaching of undergraduate students in Pharmacology is to inculcate a rational and scientific basis of therapeutics.
2	Objectives	<ol style="list-style-type: none"> 1. Describe the pharmacodynamics and pharmacokinetics of essential and commonly used drugs 2. Use of appropriate drug in a particular disease condition 3. Prescribe drug for common ailments. 4. Recognize adverse reactions and interactions of commonly used drug 5. Observe experiments designed for study of effects of drugs, bioassay and interpretations of the experimental data 	<ol style="list-style-type: none"> 6. Rational drug therapy 7. Concept of P drugs 8. Prescription of drugs in special circumstances (pregnancy lactation and old age) 9. Concept of Pharmacovigilance 10. Concept of pharmacoepidemiology 11. Scan information on common pharmaceutical preparations and critically evaluate drug formations. 12. Critical evaluation of FDC
3	Course Content	<ol style="list-style-type: none"> 1. History of Pharmacology 2. Drug interactions and clinical importance 3. Stages involved in drug development 4. Ganglionic blocking drugs 5. Hypolipemic drugs 6. Inhalation GA 7. Antibiotic resistance 8. Management of TB and Leprosy 	<ol style="list-style-type: none"> 9. Adverse drug reactions 10. Bio-medical waste: types, potential risks and their safe management, 11. Convulsant and anticonvulsant effect in rats (Demo.) 12. Chemotherapy- Sulfonamides and Cotrimoxazole, fluoroquinolones Beta-lactams: Penicillins and Cephalosporins <p>Anti viral drugs (anti retrovirals) Newer antimalarial, Antifertility agents Anticancer(tyrosinekinase inhibitors and monoclonal antibodies</p>
4	Teaching-Learning methods	Chalk and board OHP	Small group Discussion, PBL Pharmacoeconomic evaluation ADR evaluation
5	Formative assessment	Tutorials, Written Questions, Assignments, Discussion	MCQs , Periodic test, Feed Back Project, Quiz, Seminar, Research Proposals

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6	Suggested changes in summative	<p>1. Three internal assessment examinations with 50% marks for eligibility for appearing final examination.</p> <p>2. Maintenance of practical record book</p> <p>3. IA exams in practicals- 80% for academic content and 20% for day-to-day assessment.</p> <p>Internal assessment will reflect as a separate head of passing at summative examination</p>	<p>4. Three internal assessment examinations with 50% marks for eligibility for appearing final examination.</p> <p>5. Maintenance of practical record book</p> <p>6. IA exams in practicals- 80% for academic content and 20% for day-to-day assessment.</p> <p>7. Internal assessment will reflect as a separate head of passing at summative examination.</p>																																																																							
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<p>Internal marks were added to theory and practical respectively to declare the candidate to pass in university examination</p>	<p>A) Pattern for University examination B) WRITTEN PAPER: 200MARKS. There shall be two theory papers of 100 marks each and duration of each paper will be of 3 hours. Format of question paper will be as under</p> <table border="1"> <thead> <tr> <th>Type of Questions</th> <th>Number of questions</th> <th>Marks for each question</th> </tr> </thead> <tbody> <tr> <td>Essay type questions</td> <td>02</td> <td>10</td> </tr> <tr> <td>Short Essay types questions</td> <td>10</td> <td>5</td> </tr> <tr> <td>Short answer questions</td> <td>10</td> <td>3</td> </tr> </tbody> </table>	Type of Questions	Number of questions	Marks for each question	Essay type questions	02	10	Short Essay types questions	10	5	Short answer questions	10	3																																																													
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	<p>Topic wise division of paper I and II of second M.B.B.S theory papers based on MCI curriculum Students must get 50% marks both in theory and practical independent of internal assessment</p>																																																																									

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VIJAYAPURA

			marks. 50% marks both in theory and practical(internal assessment compulsory)
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 Professor & HOD
 Dept. of Pharmacology
 BLDEU's Shri B. M. Patil
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Sl No	Content	PG CURRICULUM 2013	PG CURRICULUM 2016(REVISED)
1	Goals	<p>1. The goal of postgraduate medical education shall be to produce a competent specialist and / or a medical teacher: Teach & train UG ,PG medical & students of allied subjects the basic principles of pharmacology & be up to date with recent advances,</p> <p>2. Impart skills related to teaching, research methodology & pharmaceutical industry requirements.</p> <p>3. Understand & apply the recent advances in pharmacological and its applied aspects in clinical practice.</p>	<p>1. Teach & train UG, PG medical & students of allied subjects the basic principles of pharmacology & be up to date with recent advances.</p> <p>2. Impart skills related to teaching, research methodology & pharmaceutical industry requirements.</p> <p>3. Understand the importance of Pharmacovigilance and Pharmacoeconomics.</p> <p>4. Detect, treat & manage toxicological aspects of drugs and poisons.</p> <p>5. Understand & apply the recent advances in pharmacological and its applied aspects in clinical practice.</p> <p>6. Devise experimental models with minimal use of animals.</p> <p>7. Plan and organize projects using managerial & leadership skills.</p> <p>8. Design protocol for clinical trials</p> <p>9. Incorporate knowledge of information technology in medical sciences</p> <p>10. Function as a productive member of a team engaged in research, medical education and Pharmaceutical industry</p> <p>11. Play the assigned role in the implementation of various national health programs effectively, including planning of drug procurement and distribution, designing Hospital & National Formulary.</p>

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2	Objectives	<p>Demonstrate sound knowledge of general pharmacology principles like pharmacokinetics and Pharmacodynamics of drugs, drug interactions and adverse effects.</p> <p>2. Study the effects of drugs on various systems in the body and rational drug therapy.</p> <p>3. Plan & conduct lecture, practical demonstration, and tutorial classes for students of medical & allied disciplines.</p> <p>4. Carry out screening of drugs for pharmacological and toxicological profile.</p> <p>5. Present research findings in conferences (Oral/Poster sessions), communicate research/ educational papers in peer reviewed journals. Critically review and comment on research papers. team engaged in research, education & industry</p>	<ol style="list-style-type: none"> 1. Demonstrate sound knowledge of general pharmacology principles like pharmacokinetics and pharmacodynamics of drugs, drug interactions and adverse effects. 2. Study the effects of drugs on various systems in the body and rational drug therapy. 3. Plan & conduct lecture, practical demonstration, and tutorial classes for students of medical & allied disciplines. 4. Carry out screening of drugs for their pharmacological and toxicological profile. 5. Present research findings in conferences (Oral/Poster sessions), critically review & comment on research papers. Communicate research/ educational papers in peer reviewed journals. 6. Monitor adverse drug reactions. Carry out therapeutic audit & provide drug information service to doctors/public. 7. Use computer and IT tools for teaching, research & presentation/publication of data. 8. Preparation of protocols to conduct preclinical and clinical research independently. 9. Demonstrate knowledge of National Health Policy, National list of essential medicine (NLEM), p- drug -concept and supervise drug management in a hospital. 10. Function as a productive member of a team engaged in research, Medical education &
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			industry
3	Course Content	<p>Chapter 1</p> <p>General Pharmacological Principles and Applied Sciences</p> <p>Pharmaco-kinetic and Pharmacodynamic principles including molecular mechanism of action. sources of drug information and use of Information Technology.</p> <p>Chapter II: Systemic Pharmacology, Chemotherapy and Therapeutics:</p> <p>Pharmacology of drugs acting on autonomic, peripheral and central nervous systems; cardiovascular, endocrine, respiratory, renal, gastrointestinal and haemopoietic systems and treatment of disease affecting these systems; Pharmacology of anti-microbial and anti-parasitic drugs and treatment of infective diseases; cancer chemotherapy, immunopharmacology, gene therapy and evidence based medicine.</p> <p>Chapter III: Experimental Pharmacology, Bioassay and Statistics:</p>	<p>Experimental Methods discussion: A Screening & evaluation of drug activation including animal models for study of various drugs on different organ system:</p> <p>B. Quantitative study of agonists and antagonists on isolated tissues. C. Interpretation of graphical demonstration of effect of various drugs on blood pressure in anaesthetized dogs. D. Extraction, purification and characterization of active principles from plant Sources/crude products</p>

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		<p>Experimental methodologies involved in the discovery of drugs (in vivo, in vitro ex vivo). Animal handling and animal care. Chapter IV: Clinical Pharmacology and Recent advances:</p> <p>Development of new drugs, protocol designing, phases, methodology and ethics of clinical trials, Clinical Pharmaco-kinetics and Pharmaco-dynamic studies and post marketing surveillance, Therapeutic drug monitoring therapeutic essential drug concept and rational prescribing, GLP and GMP systems</p> <p>Recent advances in understanding of mechanism of drug action and treatment of diseases; new drugs and new uses of old drugs.</p>	
4	Teaching-Learning methods	<p>Lectures, Seminars & Journal clubs twice a month</p> <p>Experimental pharmacology</p>	<p>Formal teaching sessions</p> <p>Theory lecture Once in a week</p> <p>Journal club Once a week</p> <p>Seminar Once a week</p> <p>Practical Once a week</p> <p>Group Discussions Once a week</p> <p>Case discussions Once a month</p> <p>Interdepartmental case or seminar Once a month</p>

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5	Formative assessment	Periodic test,	<p>Quarterly assessment during the MD training should be based on:</p> <ol style="list-style-type: none"> 1. Self directed learning and teaching 2. Departmental and interdepartmental learning activity 3. External and Outreach Activities /conference/ workshop 																		
6	Suggested changes in summative	<p>Thesis, Minimum 40% marks in each heading (theory and practical) average 50%(both theory and practical)</p> <table border="1" data-bbox="268 1014 794 1243"> <thead> <tr> <th>Max marks of MD Pharmacology</th> <th>Theory</th> <th>Practical</th> <th>viva</th> </tr> </thead> <tbody> <tr> <td></td> <td>400</td> <td>200</td> <td>10</td> </tr> </tbody> </table>	Max marks of MD Pharmacology	Theory	Practical	viva		400	200	10	<ol style="list-style-type: none"> 1. Thesis 2. Maintenance of Log-book. <p>The pass percentage will be 50% Candidate will have to pass theory and practical examination separately.</p> <p><u>Scheme of examination</u></p> <table border="1" data-bbox="818 1160 1222 1599"> <thead> <tr> <th>Max marks of MD Pharmacology</th> <th>Theory</th> <th>Practical</th> <th>viva</th> <th>total</th> </tr> </thead> <tbody> <tr> <td></td> <td>400</td> <td>200</td> <td>10</td> <td>700</td> </tr> </tbody> </table> <p>The pass percentage will be 50% Candidate will have to pass theory and practical examination separately.</p>	Max marks of MD Pharmacology	Theory	Practical	viva	total		400	200	10	700
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