



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

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:

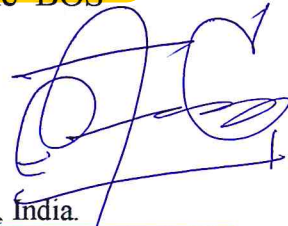
1	Dr. A.A.Naikawadi	Prof. & HOD, & Chairman BOS
2	Dr. V U Narsapur	Professor, Member
3	Dr. Anant Khot	Asst. Prof. Member
4	Dr. Ambadasu B,	Lecturer, Member
5	Dr. Vijay M. Motghare	Professor & head Department Of Pharmacology Government Medical College, Nagpur. (External BOS Member)

1. Confirmation of minutes of the previous meeting :Since no suggestions/clarifications were made the minutes of previous meeting were approved
2. Curriculum of Allied Courses: No new courses in the Dept.
3. New courses: There are no new courses planned in the Dept.
4. Review of existing courses: Curricular activities of MBBS & MD Pharmacology reviewed.
5. Review of PhD programmes: 1st report is submitted by PhD Scholars.
6. Recognition of PhD Guide/PG teacher: Dr AA Naikawadi & V U Narsapur will be recognized by University.
7. 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
8. 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.

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail: bmpmc.principal@bldeuniversity.ac.in


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


REGISTRAR
BLDE (Deemed to be University)
Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

S l 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

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in

REGISTRAR

BLDE (Deemed to be University)
Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

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

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> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">Phase</th> <th colspan="4">For 1st & 2nd IA</th> <th colspan="3">Preliminary examination</th> </tr> <tr> <th style="width: 5%;">Second professional year</th> <th style="width: 5%;">Theory</th> <th style="width: 5%;">Practical</th> <th style="width: 5%;">Viva</th> <th style="width: 5%;">Total</th> <th style="width: 5%;">Theory</th> <th style="width: 5%;">Practical</th> <th style="width: 5%;">Viva</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">100</td> <td style="text-align: center;">60</td> <td style="text-align: center;">40</td> <td style="text-align: center;">200</td> <td style="text-align: center;">P1-100</td> <td style="text-align: center;">80</td> <td style="text-align: center;">40</td> </tr> <tr> <td></td> <td style="text-align: center;">P2-100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Phase	For 1 st & 2 nd IA				Preliminary examination			Second professional year	Theory	Practical	Viva	Total	Theory	Practical	Viva		100	60	40	200	P1-100	80	40		P2-100							<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> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 5%;">Phase</th> <th colspan="4">For 1st & 2nd IA</th> <th colspan="5">Preliminary examination</th> </tr> <tr> <th style="width: 5%;">Second professional year</th> <th style="width: 5%;">Theory</th> <th style="width: 5%;">Practical</th> <th style="width: 5%;">Viva</th> <th style="width: 5%;">Total</th> <th style="width: 5%;">Theory</th> <th style="width: 5%;">Practical</th> <th style="width: 5%;">Viva</th> <th style="width: 5%;">Internal T & P</th> <th style="width: 5%;">Total</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">100</td> <td style="text-align: center;">60</td> <td style="text-align: center;">40</td> <td style="text-align: center;">200</td> <td style="text-align: center;">P1-100</td> <td style="text-align: center;">80</td> <td style="text-align: center;">40</td> <td style="text-align: center;">60</td> <td style="text-align: center;">40</td> </tr> <tr> <td></td> <td style="text-align: center;">P2-100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">+20</td> <td style="text-align: center;">0</td> </tr> </tbody> </table>	Phase	For 1 st & 2 nd IA				Preliminary examination					Second professional year	Theory	Practical	Viva	Total	Theory	Practical	Viva	Internal T & P	Total		100	60	40	200	P1-100	80	40	60	40		P2-100							+20	0
Phase	For 1 st & 2 nd IA				Preliminary examination																																																																						
Second professional year	Theory	Practical	Viva	Total	Theory	Practical	Viva																																																																				
	100	60	40	200	P1-100	80	40																																																																				
	P2-100																																																																										
Phase	For 1 st & 2 nd IA				Preliminary examination																																																																						
Second professional year	Theory	Practical	Viva	Total	Theory	Practical	Viva	Internal T & P	Total																																																																		
	100	60	40	200	P1-100	80	40	60	40																																																																		
	P2-100							+20	0																																																																		
		<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" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">Type of Questions</th> <th style="width: 30%;">Number of questions</th> <th style="width: 40%;">Marks for each question</th> </tr> </thead> <tbody> <tr> <td>Essay type questions</td> <td style="text-align: center;">02</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Short Essay types questions</td> <td style="text-align: center;">10</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Short answer questions</td> <td style="text-align: center;">10</td> <td style="text-align: center;">3</td> </tr> </tbody> </table> <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>	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																																																												
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																																																																									

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in

REGISTRAR

BLDE (Deemed to be University)

Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY


[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

			marks. 50% marks both in theory and practical(internal assessment compulsory)
--	--	--	--


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


REGISTRAR
BLDE (Deemed to be University)
Vijayapura-586103. Karnataka

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

Sl No	Content	PG CURRICULUM 2013	PG CURRICULUM 2016(REVISED)
1	Goals	<ol style="list-style-type: none">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,2. Impart skills related to teaching, research methodology & pharmaceutical industry requirements.3. Understand & apply the recent advances in pharmacological and its applied aspects in clinical practice.	<ol style="list-style-type: none">1. Teach & train UG, PG medical & students of allied subjects the basic principles of pharmacology & be up to date with recent advances.2. Impart skills related to teaching, research methodology & pharmaceutical industry requirements.3. Understand the importance of Pharmacovigilance and Pharmacoeconomics.4. Detect, treat & manage toxicological aspects of drugs and poisons.5. Understand & apply the recent advances in pharmacological and its applied aspects in clinical practice.6. Devise experimental models with minimal use of animals.7. Plan and organize projects using managerial & leadership skills.8. Design protocol for clinical trials9. Incorporate knowledge of information technology in medical sciences10. Function as a productive member of a team engaged in research, medical education and Pharmaceutical industry11. Play the assigned role in the implementation of various national health programs effectively, including planning of drug procurement and distribution, designing Hospital & National Formulary.

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in

REGISTRAR

BLDE (Deemed to be University)

Vijayapura-586103. Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

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.</p> <p>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 &
---	------------	---	---

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in


REGISTRAR
BLDE (Deemed to be University)
Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University w/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

			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>

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in


REGISTRAR

BLDE (Deemed to be University)
Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

		<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 Pharmacodynamic 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	Lectures, Seminars & Journal clubs twice a month Experimental pharmacology	Formal teaching sessions Theory lecture Once in a week Journal club Once a week Seminar Once a week Practical Once a week Group Discussions Once a week Case discussions Once a month Interdepartmental case or seminar Once a month

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in

REGISTRAR

B.L.D.E. (Deemed to be University)

Vijayapura-586103, Karnataka



B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

VIJAYAPURA

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 1245"> <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 Pharmacy</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>100</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 Pharmacy	Theory	Practical	viva	total		400	200	100	700
Max marks of MD Pharmacology	Theory	Practical	viva																		
	400	200	10																		
Max marks of MD Pharmacy	Theory	Practical	viva	total																	
	400	200	100	700																	

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

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in

College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail:

bmpmc.principal@bldeuniversity.ac.in


REGISTRAR
 BLDE (Deemed to be University)
 Vijayapura-586103, Karnataka


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