



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 PHYSIOLOGY

Ref. No. Phy/2016-17/

Date : 22-02-2016

To,
The Registrar,
BLDE University
BIJAPUR-586103.

Sub : Information regarding Proceedings of BOS meeting in Physiology.

Respected Sir,

BOS meeting in Physiology was held on 19-02-2016 (Friday) between 10am to 1.15pm in the chamber of HOD of Physiology.

The gist of proceedings during the meeting are as follows:

- Minutes of previous meeting which was held on 30-07-2015 were confirmed.
- List of Examiners (UG and PG) in Physiology was reviewed and accepted.
- Lists of Ph.D and PG guides in Physiology were reviewed and accepted.
- Draft of Pre Ph.D. course work was reviewed and accepted.
- Progress reports of Ph.D scholars were reviewed and accepted.
- Question Papers vs Results :

- a) UG Question papers of University examinations held during August-2015 were analysed and found to be appropriate. Out of 148 students (Regular) who appeared for Uni. Examination, 114 students passed (Passing %age : 77%). 25 students secured more than 75% (Ms. Aishwarya Honawad, Topper, 343/400=86%), 52 students secured % age of marks in the range of 65-74.9%, 36 students secured %age of marks in the range of 55-64.9% and 01 student secured %age of marks in the range of 50-54.9%. 34 students failed in the exams (from Regular batch) (29 students failed in Anatomy, Physiology and Biochemistry, 03

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SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE VIJAYAPURA students failed in Anatomy and Physiology, 01 student failed in Physiology and Biochemistry and 01 student failed in single subject Physiology).

Out of 34 repeater students appeared for Uni. Examinations held during August-2015., 09 students passed (Passing % age : 27%). 25 students failed in the Uni. Exams. (22 students failed in Anatomy , Physiology and Biochemistry and 03 students failed in Anatomy and Physiology).

- b) UG question papers of University examinations held during January-2016 were also analysed and found to be appropriate. Out of 54 students (Repeaters) (05 did not appear for Uni. Exams) appeared for Uni. Exams., 32 students passed (%age of passing : 59%) and 22 students failed (15students failed in Anatomy, Physiology and Biochemistry and 07 students failed in Anatomy and Physiology). To improve performance of Repeater batch students and to improve University result, Students should attend special classes and additional teaching programmes conducted by the department. They should also participate in periodic tests with full preparation. They should also discuss with the teachers regarding their difficulties in studies and find solutions. Unless they attend teaching activities seriously, It is difficult to improve the result of repeater batch students. In this connection, Parent counseling along with their wards may be done. It may help in reducing the magnitude of repeated failures in exams (that to in all three subjects of Preclinical phase). External member suggested to have a strong student counseling cell with Psychologist. Irrespective of whether the student is having Psychiatric problem or not, it is desirable to have assessment of mental health of individual student in the beginning of course and to identify the students with problems if any in the early phase of their career. Accordingly, corrective steps may be taken without undue delay.

➤ PG syllabus was reviewed and following modifications were advised.

Under Practical Training: In clinical Physiology: Along with General Examination, Physical examination to be included. In cardiovascular system: Examination of various arterial pulses, Measurement of JVP, Recording of BP and effect of posture and different exercises to be

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SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE VIJAYAPURA included. In Respiratory System: Basic Life Support to be included. **In clinical examination of**

Abdomen : Fractional Test Meal and Liver Function Tests to be included.

In Renal System : Renal Function Tests- Particularly clearance tests (Urea and creatinine) to be included. **In Hematology in** regard of Laboratory Procedures along with Blood grouping and cross matching, Blood transfusion techniques to be added. In place of determination of bleeding time and clotting time, Hemostatic tests to be added. Under year wise PG activities during 1st year of course, PG student is required to attend research methodology workshop, to attend teaching methodology workshop and to attend presentation skill workshop (to be newly added).

Under the section of Recommended Text and Reference books, Serial order of books has to be changed. Serial order of books – Ganong, Guyton and Best and Taylor as 1st, 2nd and 3rd (instead of 3,2, and 1).

External member suggested to include Dr. R.L Bijalani's Text Book of Physiology as Reference Book.

Under topics for Integrated teaching programme, In edema, along with subtopics for Depts of Physiology and Pathology, a subtopic : Medical approach to Edema- to Dept of Medicine to be added.

In Anemia, along with subtopics for depts. of Physiology, Pathology, Biochemistry, Medicine and Comm. Medicine., a subtopic : Childhood Anemia- to dept of Pediatrics to be added.

In hyper tension, along with subtopics for depts. of Physiology, Pathology and Medicine, a Sub topic: Non pharmacological management of Hypertension for dept of Behavioural Medicine to added.

In Diabetes mellitus, along with subtopics for depts. of Physiology, Medicine and Surgery, Subtopic : Regulation of blood glucose level and investigations in Diabetes mellitus to dept of Biochemistry, Subtopic : Oral hypoglycemic agents and insulin derivatives to dept of Pharmacology to be added.

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In Peptic ulcer, along with subtopics for depts. of Physiology, Pathway, Medicine and Surgery,
Subtopic : Gastric Function Tests – to dept of Biochemistry to be added.

New topics such as clinical approach to Infertility, Middle ear disorders, Pathophysiology of pain and Chronic Obstructive Airway Diseases to be added for Integrated teaching programme.

➤ **UG syllabus was reviewed and following modifications were advised.**

To add a separate subtopic –Biopotentials in General Physiology. To add subtopics- Reticulo endothelial system, morphology and function of Platelet and Blood bank – in System, Blood.

To add a separate subtopic – Space Physiology in Resp. System. To add separate subtopics – Cardiovascular regulatory mechanism and Exercise Physiology in CVS. To add separate subtopics –Energetics of Nerve and muscle, Work Physiology, Injury and repair of Nerves and Muscle, Types of contraction in M N. Physiology. To add separate subtopic – Nutrition (Introduction to Nutrition, BMR, Carbohydrates and dietary fibres, Proteins and Fats, Recommended dietary allowances, Diet during infancy, Childhood, pregnancy and lactation, Obesity and its complications) in GIT.

To add new topic Yoga (Introduction, Yoga Practices, Meditation-Principles and Practice, Physiological effects of Yoga, Yoga in health and disease).

To add new topic – Environmental Physiology (Introduction, Body temp. regulation, Man in hot and cold environment. Hypothermia and its uses, Physiological response to high attitude and high atmospheric pressure).

Under Practical Physiology, In hematology section, Describing- Determination of Total RBC Count, Total WBC Count, Differential WBC Count and AEC-as Hematology Major Experiments. Describing – Determination of Hemoglobin content of blood, BT, CT, Blood Group and Blood indices as Hematology Minor Experiments. In the section-Interpretation of charts, External member suggested to add the following :

- ECG in Lead II- to calculate HR, duration of PR Interval and to identify J Point.
- Flow –Volume loop.

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- Artificial Kidney
- Ryles' Tube
- Investigation reports of Patients.

In the University Examination, External Member suggested to add MCQs of Single Best Answer type without negative marking to an extent of 20% (in each theory paper).

- He also suggested to have adequate floor space in various sections of dept (Amphibian Laboratory and Accommodation for staff) as per MCI requirements.

Along with External Member, Following staff members were present during meeting

- Following staff members were present during meeting.

Sl.No.	Name of the staff	Designation
01	Dr. Manjunatha Aithala	Chairman,
02	Dr. Sumangala Patil	Member
03	Dr. K.K.Das	Member
04	Dr. Lata Mullur	Member
05	Dr. C.M.Kulkarni	Member
06	Dr. Shrilaxmi Bagali	Member
07	Dr. Gouher Banu S	Member

Thanking you,

Yours Faithfully

Dr. Manjunatha Aithala

Professor & H. O. D.

Dept. of Physiology,

**B.L.D.E. University, Shri B.M.Patil
Medical College, VIJAYAPUR.**

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Changes in UG Syllabus theory 2016-17

Existing factors	Changes to be brought about (Revised part)
New sub topic in General Physiology	Biopotentials in General Physiology
In Blood	Reticulo endothelial system, morphology and function of Platelet and Blood bank
In Respiratory system	Space Physiology
In CVS	Cardiovascular regulatory mechanism and Exercise Physiology
Separate sub topic	Energetics of Nerve and muscle, Work Physiology
In N M Physiology	Injury and repair of Nerves and Muscle, Types of contraction
Separate sub topic in GIT	Nutrition
New sub topic	Yoga
New sub topic	Environmental Physiology

Changes in UG Syllabus Practical 2016-17

Existing factors	Changes to be brought about (Revised part)
New Topic	ECG in Lead II- to calculate HR, duration of PR Interval and to identify J Point.
New Topic	Flow –Volume loop
New Topic	Artificial Kidney
New Topic	Ryles' Tube insertion
New Topic	Investigation reports of Patients

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Changes in PG curriculum 2016-17

Existing factors	Changes to be brought about (Revised part)
Clinical examination of CVS	Examination of various arterial pulses, Measurement of JVP, Recording of BP and effect of posture and different exercises to be included.
Clinical examination of RS	Basic Life Support to be included.
Clinical examination of Abdoman	Fractional Test Meal and Liver Function Tests to be included.
In Renal System	:Renal Function Tests- Particularly clearance tests (Urea and creatinine) to be included.
Blood grouping and cross matching	Blood transfusion techniques to be added
bleeding time and clotting time	Hemostatic tests

Professor & H. O. D.
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