



KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES,
TELANGANA STATE, WARANGAL.

Lr.Rc.No.KNRUHS/ Acad/ 1735 /2019/ BOS

Dated:02.03.2019

To
The Members of First MBBS Board of Studies.

1. Head of the Department of Anatomy, Osmania Medical College, Hyderabad.
2. Head of the Department of Physiology, Gandhi Medical College, Secunderabad.
3. Head of the Department of Biochemistry, Kakatiya Medical College, Warangal
4. Head of the Department of Anatomy, Govt. Medical College, Nizamabad
5. Head of the Department of Physiology, RIMS Adilabad
6. Head of the Department of Biochemistry, ESI. Medical College, Hyderabad
- ✓ 7. Head of the Department of Anatomy, Deccan Medical College, Hyderabad
8. Head of the Department of Physiology, Mamata Medical College, Khammam
9. Head of the Department of Biochemistry, Kamineni Academy of Medical Sciences, L.B.Nagar.
10. Head of the Department of Anatomy, SVS Medical College, Mahabubnagar
11. Head of the Department of Physiology, Apollo Institute of Medical Sciences and Research, Hyderabad
12. Head of the Department of Biochemistry, MediCiti Medical College, Ghanpur

Dear Sir/Madam,

Sub:- KNRUHS - Academic - Meeting of 1st MBBS Board of Studies at 10.00 A.M. on 13-03-2019 in Conference hall, Hotel Ashoka, Hanamkonda, Warangal - Intimation - Reg.

Ref:- Orders of Vice – Chancellor, KNRUHS, Wgl. Dated: 02.03.2019
-o0o-

I am by direction to inform you that you have been nominated by the executive council as member of Board of Studies in 1st MBBS for a period of two years. The list of other members is in the address entry.

The first meeting of 1st MBBS Board of studies will be held on 13-03-2019 at 10.00 A.M. onwards at CONFERENCE HALL, HOTEL ASHOKA, HANAMKONDA, WARANGAL to consider the following agenda.

- 1) Review of curriculum of 1st MBBS Degree Course.
- 2) Review of Scheme of instructions 1st MBBS Degree Course.
- 3) Review of Scheme of examinations 1st MBBS Degree Course.
- 4) Review of Pattern of Question papers.
- 5) Review of Scheme of Practical Examinations.

Contd.....p/2

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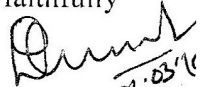
- 6) Review of Question Papers of the examination held in Anatomy, Physiology, and Biochemistry of 2018 examinations.
- 7) Introduction of Scheme of Evaluation.
- 8) Schedule of Internal Assessment examinations with syllabus.
- 9) Recommending list of examiners.
- 10) Recommending list of Paper setters.
- 11) Introduction of Non-Examination Subjects like Communication skills Medical ethics, genetics Sociology Health economics, Computer Science etc.,
- 12) Fixation of Terms and Conditions for award of University Gold medals.
- 13) Recommending list of text books.
- 14) Recommending list of Reference books.
- 15) Any other matter with the permission of the chair.

I request you to make it convenient to attend the meeting without fail. Your participation and experience will help the University to improve the standards of Medical Education.

Therefore once again I am by direction request you to attend the meeting and give your valuable guidance and co-operate with the University.

TA/DA will be paid by the University.

Yours faithfully



REGISTRAR. 02.03'16

Copy submitted to the Principal Secretary to Government, Health Medical & Family Welfare, T.S. Hyderabad.

Copy to the Director of Medical Education, T.S. Hyderabad.

- KNR UHS Academic meeting of 1st MBBS Board of studies

- Date : 13-03-2019
- At Warangal
- Vice Chancellor : Dr. Karunakar Reddy
- Registrar : Dr. Praveen Kumar

Points Discussed

1. Biometric attendance compulsory for staff & students

2. Teaching Diary :

- To be submitted monthly to university online, includes
- a) Feedback of students &
- b) Faculty

3. Syllabus diary :

- The syllabus is to be scheduled for every month (monthly)

4. Common question paper for all internal assessment exams from university.

5. Exam oriented coaching/ teaching :

- After completion of topic/lecture, discuss with students how to answer a structured question in a systematic manner.

6. Improve quality of education at institution level by maintaining :

- Strict attendance &
- Conducting surprise tests to discourage outside tuitions.

7. Only 2-3 standard text books for each subject to be suggested.

- Reference books may be suggested (any number).

8. Criteria for Award of Gold Medal :

- Student should pass the exam with distinction in 1st attempt
- Should pass in all subjects.
- In case of Tie : awarded as per the discretion of Vice Chancellor.

9. 1 day gap between each paper for each subject in final exam to be continued due to strong representation from parents & students to the university.

10. Question Paper :

- Should be structured covering entire syllabus
- In such a way that atleast 70% of students should be able to answer the paper.

11. Prefinal /3rd internal exam:

- Entire syllabus should be included, with practical exam.

12. Duration of 1st MBBS course :

- Increase of duration from 1year to 1 ½ yrs (18m) has been suggested to MCI, awaiting approval / reply.

13. Faculty list of medical colleges under KNRUHS, will be displayed on the KNRUHS website soon.

- Exposure of faculty to Bioinformatics.

14. Skill labs at college & university level to be available/ established.

15. Evaluation of university practical exam should be of uniform pattern.

16. Logbooks from university to be made available & their

- marks to be included in internal assessment.

17. Regarding the no. of staff : some of the board members suggested to the university to increase the number of staff / faculty.

- But the VC has said that if it is according to the MCI requirement : it is sufficient.

18. Start classes immediately after admission / 1st counselling

(by which 90% of admissions are over)

Do not wait till the completion of final counselling which will take 1 month.

19. Summer Vacation must :

- No extra classes to be taken during summer vacation.
- If in need for extra classes, they have to be taken during public holidays.

20. Update genetic labs in dept. of anatomy /college, including staff/technicians.

21. Anatomy faculty to be trained in imaging radiology:

- CT, MRI, X-rays...

22. To improve standard of education give

- regular assignments
- (during the academic course & during vacation)

23. Biochemistry :

- Case based questions to be implemented in final theory & internal exam question papers.

24. Anatomy :

- Surface anatomy & Clinical anatomy to be assessed in internal & university exams.

25. Topics were added for horizontal & vertical integration.

26. Physiology :

- Set up equipment in department for electrophysiology, EMG, Neurobiology, demonstration of action potentials.
- Classes on ECG, EMG.

27. Biochemistry :

- Equipment in department for
- Electrophoresis
- DNA & RNA isolation.
- PCR.

28. Microbiology :

- Marks for record to be included in internal assessment marks.

29. Forensic medicine :

- No. of didactic lectures to be increased from 60 to 80.
- Practical classes should commence from 4th semester & not from 5th semester as it is now.

30. Pathology & Pharmacology :

- Teaching schedule, time table, no. of lectures remain same.

KNR UHS, WARANGAL TELANGANA STATE

AGENDA FOR 1st MBBS (2019-20 BATCH)
BOARD OF STUDIES

Dr.V.Anantha Kumari

Prof. Hod

Dept. of Anatomy, DCMS, Hyderabad

- I) REVIEW OF CURRICULUM OF 1st MBBS DEGREE COURSE :

- A) FOUNDATION COURSE (1 MONTH) AUGUST 2019

- B) DESCRIPTION OF CURRICULAR PROGRAM

- C) CORE CURRICULUM :

-

- LECTURES : 220 hrs.

-

- SMALL GROUP TEACHING / TUTORIALS/ INTEGRATED

LEARNING/

- PRACTICAL : 415 hrs.

-

- SELF DIRECTED LEARNING : 40 hrs.

-

- TOTAL : 675 hrs

-

A) FOUNDATION COURSE (1 MONTH)
AUGUST 2019

- FROM GMR(GRADUATE MEDICAL REGULATIONS,2017)
- NEW TEACHING /LEARNING ELEMENTS
- 1.FOUNDATION COURSE

1.GOAL

- THE GOAL OF THE FOUNDATION COURSE IS
- TO PREPARE A STUDENT TO STUDY MEDICINE EFFECTIVELY.
- IT WILL BE OF ONE MONTH DURATION AFTER ADMISSION.

2.OBJECTIVES

- 1. **ORIENT THE STUDENT TO:**
- 1. THE MEDICAL PROFESSION AND THE PHYSICIAN'S ROLE IN SOCIETY,
- 2. THE MBBS PROGRAMME
- 3. ALTERNATE HEALTH SYSTEMS IN THE COUNTRY AND HISTORY OF MEDICINE
- 4. MEDICAL ETHICS, ATTITUDES AND PROFESSIONALISM,
- 5. HEALTH CARE SYSTEM AND ITS DELIVERY
- 6. NATIONAL HEALTH PRIORITIES AND POLICIES
- 7. UNIVERSAL PRECAUTIONS AND VACCINATIONS,
- 8. PATIENT SAFETY AND BIOHAZARD SAFETY
- 9. PRINCIPLES OF FAMILY PRACTICE
- 10. THE MEDICAL COLLEGE

2. ENABLE THE STUDENT TO ACQUIRE ENHANCED SKILLS IN:

- 1. LANGUAGE
- 2. INTERPERSONAL RELATIONSHIPS
- 3. COMMUNICATION
- 4. LEARNING INCLUDING SELF- DIRECTED
LEARNING
- 5. TIME MANAGEMENT
- 6. STRESS MANAGEMENT
- 7. USE OF INFORMATION TECHNOLOGY

3. TRAIN THE STUDENT TO PROVIDE

- 1. FIRST-AID
- 2. BASIC LIFE SUPPORT

3. IN ADDITION TO THE ABOVE AND BASED ON STUDENT NEEDS, STUDENTS MAY BE ENROLLED IN ONE OF THE FOLLOWING PROGRAMMES WHICH WILL BE RUN CONCURRENTLY

- 1. LOCAL LANGUAGE PROGRAMME
- 2. ENGLISH LANGUAGE PROGRAMME
- 3. COMPUTER SKILLS
- 4. THESE MAY BE DONE IN THE LAST TWO HOURS OF THE DAY FOR THE DURATION OF THE FOUNDATION COURSE

. THESE SESSIONS MUST BE AS
INTERACTIVE AS POSSIBLE

5. SPORTS LESIURES AND EXTRA CURRICULAR ACTIVITY
(TO BE USED THROUGH THE FOUNDATION COURSE AS
PROJECTED TWENTY TWO HOURS IN ONE MONTH

6. INSTITUTIONS SHALL
DEVELOP LEARNING MODULES AND
IDENTIFY THE APPROPRIATE RESOURCE PERSONS FOR THEIR
DELIVERY.

7. THE TIME COMMITTED FOR THE FOUNDATION
COURSE MAY NOT BE USED FOR ANY OTHER
CURRICULAR ACTIVITY.

8. THE FOUNDATION COURSE WILL HAVE
COMPULSORY 75%

ATTENDANCE THIS WILL BE CERTIFIED BY THE DEAN OF
THE COLEGE.

9. THE FOUNDATION COUSE WILL BE
ORGANIZED BY THE COORDINATOR
APPOINTED BY THE DEAN OF THE COLLEGE AND
WILL BE UNDER SUPERVISION OF THE DEAN

**10. EVERY COLLEGE MUST ARRANGE FOR A MEETING
WITH PARENTS AND THEIR WARDS.**

FOUNDATION COURSE (I MONTH) AUGUST 2019

Subjects / Contents	Teaching Hours	Self Directed learning hours	Total Hours
ORIENTATION	30	00	30
SKILLS MODULE	35	00	35
FIELD VISIT TO COMMUNITY HEALTH CENTER	08	00	08
PROFESSIONAL DEVELOPMENT INCLUDING ETHICS	-	-	40
SPORTS & EXTRACURRICULAR ACTIVITIES	22	00	22
ENHANCEMENT OF LANGUAGE/ COMPUTER SKILSS	40	00	40
TOTAL	-	-	175

1. **ORIENTATION COURSE WILL BE COMPLETED AS SINGLE BLOCK IN FIRST WEEK**

2. **SKILLS MODULES :**

I : Independantly performed on patients

O : Observed in patients / on simulations

D : Demonstration on patients/ simulators/performance under supervision in patients

Gen.Medicine :

Venipuncture (I)

IM, IV injection(I)

1. BLS(Basic life support)(D)
2. Cardiac resuscitation(D)
3. Ryles tube insertion (D)
4. Lumbar puncture (O)

5. Gen. Surgery :

6. Basic suturing, wound care , bandaging (I)
7. Orthopedics : application of basic splints.(I)
8. Pediatrics : Neonatal resuscitation(D), IV line.(I)
9. Otorhino laryngology : otoscopy(I), anterior nasal packing(D)
10. Ophthalmology : Visual acuity testing (I)

1. BASED ON PERCEIVED NEED OF STUDENTS MAY CHOOSE
2. LANGUAGE ENHANCEMENT (ENGLISH OR LOCAL SPOKEN OR BOTH)&
3. COMPUTER SKILLS.
4. THIS SHOULD BE PROVIDED LONGITUDINALLY THROUGH THE DURATION OF THE FOUNDATION COURSE.

TEACHING OF FOUNDATION COURSE WILL BE IN
PRRECLINICAL DEPARTMENTS.

B) DESCRIPTION OF CURRICULAR PROGRAM

- DEFINITION:
- THE FOUNDATION COURSE IS AN INDUCTION PROGRAM FOR STUDENTS JOINING THE MBBS COURSE

OBJECTIVES

- 1. TO PROVIDE THE FIRST YEAR MBBS STUDENTS AN ORIENTATION TO:
 - A. THE INSTITUTION
 - B. THE PROFESSION AND PHYSICIAN'S ROLE IN SOCIETY
 - C. THE MBBS PROGRAMME
 - D. HEALTH CARE SYSTEM AND ITS DELIVERY
 - E. ALTERNATE HEALTH SYSTEMS IN THE COUNTRY
 - F. MEDICAL ETHICS ATTITUDES AND PROFESSIONALISM
 - G. NATIONAL HEALTH PRIORITIES AND POLICIES
 - H. PATIENT SAFETY AND BIOSAFETY PROCEDURES

TO ENABLE THE STUDENTS TO ENHANCE REQUISITE
SKILLS INCLUDING

- A. LANGUAGE
- B. INTERPERSONAL AND COMMUNICATION
- C. SELF DIRECTED LEARNING
- D. TIME MANAGEMENT
- E. STRESS MANAGEMENT
- F. COMPUTER AND INFORMATION
TECHNOLOGY

TO PROVIDE CERTIFIABLE INSTRUCTION IN

- Basic life support
- First aid

INTENT

- TO PROVIDE A BRIDGE COURSE FOR STUDENTS
- FROM DIFFERENT BOARDS,
- LANGUAGE OF INSTRUCTIONS,
- BACKGROUNDS AND CULTURES AND
- ADEQUATELY PREPARE THEM FOR LEARNING AND A CAREER IN MEDICINE.

ELEMENTS AND COMPONENTS OF THE PROGRAM

- 1. DOCTOR'S ROLE IN SOCIETY
 - A. EXPECTATIONS OF SOCIETY FROM DOCTORS
 - B. EXPECTATIONS OF PATIENTS FROM DOCTORS
 - C. EXPECTATIONS OF THE PROFESSION FROM ITS MEMBERS
 - D. ROLES AND RESPONSIBILITIES OF DOCTORS
 - E. GENDER SENSITIVITY.

2.WHAT CAN THE STUDENT EXPECT

- 1. FROM THE SOCIETY AND NATION
- 2. FROM THE INSTITUTION
- 3. FROM TEACHERS
- 4. FROM PEERS AND COLLEAGUES
- 5. FROM PATIENTS

3. ORIENTATION OF THE STUDENT TO

- 1. RULES AND REGULATIONS
- 2. FACILITIES
- 3. FACULTY
- 4. FACILITY VISITS- LIBRARY, HOSTELS, SPORTS GROUND, COMMON ROOMS
- 5. LIBRARY VISITS AND FACILITY ORIENTATION
- 6. HOSPITAL VISIT

4.OVERVIEW OF THE MBBS PROGRAM

- A. CURRICULUM DESCRIPTION
- B. CAREER PATHWAY& PERSONAL GROWTH
- C. ROLE AT VARIOUS LEVELS OF HEALTH CARE DELIVERY SYSTEM
- D. SKILL REQUIREMENTS AND CERTIFICATIONS
- E. EXAMINATIONS
- F. UNIVERSITY RULES REGARDING EXAMINATIONS AND ATTENDANCE

5. LEARNING SKILL

- A. LEARNING PEDAGOGY
- B. SELF DIRECTED LEARNING
- C. LEARNING STRATEGIES
- D. COMMUNITY BASED LEARNING
- E. PEER ASSISTED LEARNING
- F. SELF DIRECTED LEARNING
- G. USE OF ONLINE RESOURCE
- H GROUP LEARNING
- I. ASSESSMENT DRIVEN LEARNING
- J. SIMULATION BASED LEARNING
- K. LEARNING FROM PATIENTS AND OTHER MEMBERS OF THE HEALTH CARE TEAM

6. LANGUAGE AND COMMUNICATION SKILLS

7.GROUP DYNAMICS

8. WORKING WITH IN A HEATH CARE
TEAM

8. DOCUMENTATION AND MEDICAL RECORD

10. INTERPERSONAL COMMUNICATION

**11.RELATING TO PATIENT EXPERIENCE
OF THE DISEASE**



12.COMMUNICATIONS WITH PATIENTS AND FAMILY

13.NEED BASED ACCESS TO LEARNING
ENGLISHAND /OR LOCAL LANGUAGE OF
COMMUNICATION

14. PROFESSIONALISM ATTITUDE AND ETHICAL BEHAVIOR

- A. CONCEPT OF PROFESSIONALISM AND ETHICS
- B. CONSEQUENCES OF UNETHICAL AND UNPROFESSIONAL BEHAVIOR
- C. VALUE OF INTEGRITY HONESTY AND RESPECT DURING INTERACTION WITH PEERS, SENIORS AND FACULTY OTHER HEALTH CARE WORKERS AND PATIENTS.
- D. FUNCTIONING AS PART OF HEALTH CARE TEAM

15.SAFETY

- A. HANDWASHING
- B.NEDDLE/ SCALPEL STICK INJURIES
- C. IMMUNISATION REQUIREMENTS OF HEALTH CARE PROFESSIONALS
- D. CONCEPT OF BIOSAFETY
- E. HANDLING BIOMATERIAL/ BIOWASTE MANAGEMENT

16. ORIENTATION TO COMMUNITY

- A. VISIT A COMMUNITY HEALTH CENTER
- B. INTRODUCTION TO HEALTH CARE WORKERS AND THEIR ROLE
- C. INTRODUCTION TO AND INTERACTION WITH PATIENTS.

17.SKILLS PROGRAM

- A. BLS
- B. FIRST AID

18. INTRODUCTION TO ALTERNATE HEALTH CARE
SYSTEMS AND
RELEVANCE AND RELATIONSHIP TO THE PRACTICE OF
MODERN SYSTEM.

CURRICULUM GOVERNANCE AND EVALUATION OF THE PROGRAM

- (personresponsible,evaluation,periodicity,methods ,reporting)
- The program will be
- owned and conducted by the preclinical departments with
- appropriate input and faculty support by other departments.

RESPONSIBILITY OF DEAN OF THE MEDICAL COLLEGE

A. TO HEAD A COMMITTEE FOR FOUNDATION COURSE IMPLEMENTATION WITH ONE PRECLINICAL HOD AS CONVENER AND THE OTHER THREE AND MEU COORDINATOR/ CO- COORDINATOR AS MEMBERS

B. TO ALLOCATE A VENUE FOR THE FOUNDATION COURSE (PREFERBLY OTHER THAN THE LECTURE CLASS ROOM)

C. TO ALLOCATE THE RESOURCES FOR THE CONDUCT OF THE FOUNDATION COURSE (INCLUDING THOSE RELATED TO COMMUNITY VISITS, EXTERNAL RESOURCE PERSONS ETC.)

D. TO CONDUCT AT LEAST TWO MEMBERS WITH CURRICULUM COMMITTEE AND THE COMMITTEE MENTIONED ABOVE IN THE MONTH PRECEDING THE FOUNDATION COURSE

E. TO ARRANGE THE MEETING WITH PARENTS AND FACULTY.

RESPONSIBILITY OF THE CURRICULUM COMMITTEE

- A. TO SCHEDULE THE SESSIONS
- FOR ONE MONTH AND
- ALLOCATE THE SESSIONS TO THE RESOURCE PERSONS (INCLUDING EXTERNAL RESOURCE PERSONS FROM OUTSIDE COLLEGE IF NECESSARY)

- B. TO MOINITOR THE SMOOTH CONDUCT OF THE PROGRAM

- C. TO COORDINATE WITH THE ADMINISTRATION AND CLINICAL FACULTY

- D. TO MONITOR AND SUBMIT RREPORTS TO THE DEAN

RESPONSIBILITIES OF THE MEU

- A. TO ARRANGE THE SENSITISATION PROGRAMS FOR ALL FACULTY MEMBERS (INCLUDING THE DEAN & HODS)
- B. TO ENSURE THE COORDINATION BETWEEN THE ABOVE TWO COMMITTEES
- C. TO TRAIN AND ORIENT THE RESOURCE PERSONS
- D. TO COLLECT THE REPORTS AND COORDINATE WITH NC/RC.
- E. TO ENSURE THAT AT LEAST ONE MEU FACULTY SHOULD BE PRESENT IN ALL SESSIONS.

EVALUATION

- PROGRAM EFFECTIVENESS QUESTIONNAIRE
- FROM FACULTY AND STUDENTS

REPORTING

- THE CURRICULUM COMMITTEE WILL
- SUBMIT THE SCHEDULE AND
- REPORT WITH INPUTS FROM **STUDENTS, RESOURCE PERSONS, MEU FACULTY AND**
- THE MEU **COORDINATOR** SHALL FORWARD THE SAME TO **NC/RC**
- WITHIN **TWO WEEKS** OF THE LAST DAY OF THE FOUNDATION COURSE.
- THE NC/RC **CONVENOR** SHALL
- FORWARD A CONSOLIDATED REPORT IN THE PRESCRIBED PROFORMA TO THE **MCI**
- WITHIN **FOUR WEEKS.**

- **II) REVIEW OF SCHEME OF INSTRUCTIONS 1st MBBS DEGREE COURSE :**

AETCOM

- A LONGITUDINAL MODULAR PROGRAM THAT
- PROVIDES INSTRUCTION IN
- PROFESSIONALISM
- BIO ETHICS &
- COMMUNICATION SKILLS

ECE : EARLY CLINICAL EXPOSURE

- PROVIDES 3 KEY ELEMENTS :
- BASIC SCIENCE CORRELATION
- CLINICAL SKILLS INCLUDING AUTHENTIC PATIENT CONTACT.
- INTRODUCTION TO HUMANITIES IN MEDICINE

- DAY TO DAY RECORDS AND LOG BOOKS SHOULD BE GIVEN IMPORTANCE IN INTERNAL ASSESSMENT
- INTERNAL ASSESSMENT SHOULD BE BASED ON COMPETENCIES AND SKILLS.
- LEARNERS MUST SECURE AT LEAST 50% MARKS OF THE TOTAL MARKS (COMBINED IN THEORY AND PRACTICALS/ CLINICALS) ASSIGNED FOR INTERNAL ASSESSMENT IN A PARTICULAR SUBJECT IN ORDER TO BE DECLARED SUCCESSFUL AT THE FINAL UNIVERSITY EXAMINATION OF THAT SUBJECT.
- THE LEARNER SHOULD BE MADE AWARE OF THE RESULTS OF INTERNAL ASSESSMENT
- EACH COLLEGE CAN BUILD ITS OWN MECHANISM AND THE
- CALENDAR OF THE COLLEGE SHOULD SHOW THE DETAILS REGARDING CONDUCT OF INTERNAL ASSESSMENT .
- INTERNAL ASSESSMENT MARKS WILL REFLECT AS SEPARATE HEAD OF PASSING AT THE SUMMATIVE EXAMINATION.

Marks distribution:

Phase of Course	Written-Theory - Total	Practicals/Orals/Clinicals	Pass Criteria
First Professional			<p>Internal Assessment: 35% separately in theory and practical for eligibility to appear for University Examinations</p> <p>University Examination Mandatory 50% marks in theory and practical (practical = practical/clinical + viva)</p>
Human Anatomy - 2 papers	200	100	
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	
Second Professional			
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	
Third Professional Part - I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology - 1 paper	100	100	
Otorhinolaryngology - 1 paper	100	100	
Community Medicine - 2 papers	200	100	
Third Professional Part - II			
General Medicine - 2 papers	200	200	
General Surgery - 2 papers	200	200	
Pediatrics - 1 paper	100	100	
Obstetrics & Gynaecology - 2 papers	200	200	

UNIVERSITY EXAMINATIONS

1. University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.

2. Nature of questions will include different types such as structured essays (Long Answer Questions - LAQ), Short Answers Questions (SAQ) and objective type questions (e.g. Multiple Choice Questions - MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.

VII

3. Practical/clinical examinations will be conducted in the laboratories or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.

UNIVERSITY EXAMINATIONS

4. Viva/oral examination should assess approach to patient management, emergencies, attitudinal, ethical and professional values. Candidate's skill in interpretation of common investigative data, X rays, identification of specimens, ECG, etc. is to be also assessed.
5. There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination.

IV) REVIEW OF PATTERN OF QUESTIONS PAPERS :
OLD PATTERN

• **Total : 50**

TIME : 2 1/2hrs

• **QUESTIONS :**

• **Essay/ Long Answer Questions (2)**

• $10M \times 2 = 20M$

• **SHORT ANSWER QUESTIONS : (5)**

• $4M \times 5 = 20M$

• **VSAQ : (5)**

• $2M \times 5 = 10$

- **IV) REVIEW OF PATTERN OF QUESTIONS PAPERS : (NEW)**

- **Total : 100 (20% for MCQ)**

- **TIME : 3 hrs**

- **QUESTIONS (80%)**

- **Essay/ Long Answer Questions (2)**

- 15M x 2 = 30M

- **SHORT ANSWER QUESTIONS : (6)**

- 5M X 6 = 30M

- **VSAQ : (10)**

- 2M X 10 = 20

- **MCQ : 20M**

- Fill in the blanks (5m)
- True or false(5m)
- MCQ's (5m)
- Match the following (5m)

V) REVIEW OF SCHEME OF PRACTICAL EXAMINATIONS :
(OLD)

• **TOTAL MARKS : 40**

• **Gross Anatomy : (20M)**

• **Major dissection : 10m**

• **Minor dissection : 5m**

• **Clinical chart : 5m**

• **HISTOLOGY : (20M)**

• **SPOTTERS (10) : 10 X 1/2M = 5M**

• **DISCUSSION SLIDES (2) : 5M X 2 = 10M**

• **Record : 5m**

V) REVIEW OF SCHEME OF PRACTICAL EXAMINATIONS :
(NEW)

• **TOTAL MARKS : 100**

•
•
• **Gross Anatomy : (40M)**

• **Major dissection : 20m**

• **Minor dissection : 10m**

• **Clinical chart : 5m**

• **Record : 5m**

•
• **HISTOLOGY : (40M)**

• **SPOTTERS (10) : 10 X 1M = 10M**

• **DISCUSSION SLIDES (2) : 10M X 2 = 20M**

• **GENETIC CHART : 5M**

• **Record : 5m**

VI) REVIEW OF QUESTION PAPERS OF THE EXAMINATION HELD IN ANATOMY, PHYSIOLOGY & BIOCHEMISTRY OF 2018 EXAMINATIONS (OLD)

PAPER CODE: 115

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA**

MBS 1ST YEAR EXAMINATION, AUGUST-2018
ANATOMY
PAPER-I

Max Marks: 50

Time: 2 Hours 30 Min.
Note: Answer all questions
Draw diagrams wherever necessary with Black Ball point pen / HB pencil

I) ANSWER THE FOLLOWING QUESTIONS

1. Describe the posterior triangle of neck under following headings (3+1+4+2 = 10)
a) Boundaries.
b) Parts.
c) Contents.
d) Applied Anatomy

2. Describe the internal capsule under following headings: (2+3+3+2 = 10)
a) Parts.
b) Tracts passing through.
c) Blood supply.
d) Applied anatomy.

II) WRITE SHORT NOTES ON: 5x4 = 20

- Boundaries and contents of quadrangular space.
- Nasal septum.
- Cavernous sinus.
- Microscopic structure of elastic artery.
- Chorionic villi.

III) WRITE BRIEFLY ON: 5x2 = 10

- EBB's point
- Rotator cuff.
- Blood supply of palatine tonsil.
- Structures passing through parotid gland.
- Thenar muscles.

PAPER CODE: 116

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE**

MBS 1ST YEAR EXAMINATION, AUGUST-2018
ANATOMY
PAPER-II

Max Marks: 50

Time: 2 Hours 30 Min.
Note: Answer all questions
Draw diagrams wherever necessary with black ball point pen / HB pencil/ any dark colour pencils

I) ANSWER THE FOLLOWING QUESTIONS

1. Describe the sciatic nerve under the following headings (2+3+3+2) = 10
a) Formation.
b) Course and Relations.
c) Branches.
d) Applied Anatomy

2. Describe the pancreas under the following headings: (5+3+2) = 10
a) Gross Anatomy.
b) Development.
c) Applied Anatomy.

II) WRITE SHORT NOTES ON: 5x4 = 20

- Down's Syndrome.
- Blood supply of a long bone.
- Superior mediastinum.
- Arch of Aorta.
- Histology of Supra-Basal Gland

III) WRITE BRIEFLY ON: 5x2 = 10

- Levor otosten.
- Development of Intertrial septum.
- Foot drop.
- Sartorius muscle.
- Difference between large intestine and small intestine.

REVIEW OF QUESTION PAPERS OF THE EXAMINATION HELD IN ANATOMY, PHYSIOLOGY & BIOCHEMISTRY OF 2018 EXAMINATIONS (OLD)

PAPER CODE: N3

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE - 506 007

FIRST MBBS INSTANT EXAMINATIONS - OCTOBER/NOVEMBER - 2018

**ANATOMY
PAPER-I**

Time: 2 Hours 30 Mins. Max Marks: 50
 Note: Answer all questions
 Draw neat labeled diagrams whenever necessary

Answer the following essay questions: 2 X 10 = 20

1. Describe the aortic arch under the following headings: (2+3+3+2=10)
 - a) Origin and course.
 - b) Relations.
 - c) Branches and distribution.
 - d) Applied anatomy.
2. Describe the thyroid gland under the following headings: (3+2+3+2 = 10)
 - a) Features and relations.
 - b) Capsules covering the gland.
 - c) Blood supply.
 - d) Development and surgical anatomy.

Write short notes on: 5 X 4 = 20

3. Sulci, gyri and functional areas of cerebral cortex.
4. Middle ear - boundaries and contents.
5. Development and anomalies of palate.
6. Axillary nerve.
7. Interior of larynx.

Write briefly on: 5 X 2 = 10

8. Implantation.
9. Histology of lymph node.
10. Layers of retina.
11. Ligamentum denticulatum.
12. Fibrous joints.

PAPER CODE: N4

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
WARANGAL, TELANGANA STATE - 506 007

FIRST MBBS INSTANT EXAMINATIONS - OCTOBER/NOVEMBER - 2018

**ANATOMY
PAPER-II**

Time: 2 Hours 30 Mins. Max Marks: 50
 Note: Answer all questions
 Draw neat labeled diagrams whenever necessary

Answer the following essay questions: 2 X 10 = 20

1. Describe the uterus under the following headings: (2+2+4+2=10)
 - a) Gross features.
 - b) Relations.
 - c) Supports.
 - d) Lymphatic drainage and development.
2. Describe the knee joint under the following headings: (2+4+3+1 = 10)
 - a) Type and articulating surfaces.
 - b) Ligaments and bursa around knee.
 - c) Movements and muscles acting on it.
 - d) Applied anatomy.

Write Short notes on: 5X4 = 20

3. Histology of pancreas.
4. Lesser sac.
5. Turner's syndrome.
6. Thoraco-abdominal diaphragm.
7. Coronary sinus.

Write briefly on: 5X2 = 10

8. Perineal body.
9. Karyotype.
10. Sinuses of pericardium.
11. Development of urinary bladder.
12. Descent of testis.

**VI) REVIEW OF QUESTION PAPERS OF THE EXAMINATION HELD IN ANATOMY,
PHYSIOLOGY & BIOCHEMISTRY OF 2020 EXAMINATIONS (NEW)**

- **Total : 100 (20% for MCQ)** **TIME : 3 hrs**

- **QUESTIONS (80%)**

- **Essay/ Long Answer Questions** (2)
15M x 2 = 30M
- **SHORT ANSWER QUESTIONS** : (6)
5M X 6 = 30M
- **VSAQ** : (10)
2M X 10 = 20
- **MCQ** : 20M
- Fill in the blanks (5m)
- True or false(5m)
- MCQ's (5m)
- Match the following (5m)

**VI) REVIEW OF QUESTION PAPERS OF THE EXAMINATION HELD IN ANATOMY,
PHYSIOLOGY & BIOCHEMISTRY OF 2020 EXAMINATIONS (NEW)**

- ESSAY./LONG ANSWER QUESTIONS
- 1.DESCRIBE THE SHOUDER JOINT UNDER FOLLOWING HEADINGS 3+3+3+3+3=15
- A).ARTICULATION,
- B).LIGAMENTS,
- C).RELATIONS
- D).MOVEMENTS,
- E).APPLIED ASPECT.
- 2.DESCRIBE THE CEREBRUM UNDER FOLLOWING HEADINGS 3+3+3+3+3=15
- A).POLES AND BORDERS,
- B).LOBES AND SURFACES,
- C).FUNCTIONAL AREAS ,
- D).BLOOD SUPPLY,
- E) APPLIED ASPECT.
- SHORT ANSWER QUESTIONS
- 3.MICROSCOPIC STRUCTURE OF HYALINE CARTILAGE ?
- 4.PTERYGO PALATINE FOSSA ?
- 5.DELTOID MUSCLE ?
- 6.DERIVATIVES OF 2ST PHARYNGEAL ARCH OF ARTERY ?
- 7.CORPUS CALLOSUM?
- 8.1ST CARPOMETACARPAL JOINT?

- VERY SHORT ANSWER QUESTIONS 2X10=20M
- 9. DECIDUA?
- 10. INSULA ?
- 11. ANATOMICAL SNUFF BOX ?
- 12. CORACOID PROCESS ?
- 13. STYLOID PROCESS ?
- 14. LUMBRICALS ?
- 15. HISTOLOGY OF TONSIL ?
- 16. NOTOCHORD?
- 17. BAAR BODIES ?
- 18. MIDDLE MENINGEAL ARTERY.
- MCQ 1X20=20M

Fill in the blanks (5m)

1. MIDDLE MENINGEAL ARTERY BRANCH OF?
 2. LONG HEAD OF BICEP BRACHII ORIGIN FROM.....?
 3. NERVE OF 2ND PHARYNGEAL ARCH?
 4. BROAD MANN NUMBER OF MOTOR SPEECH AREA OF BROCA?
 5. AXILLARY SHEATH DERIVED FROM.....?
- TRUE OR FALSE
6. AXILLARY NERVE BRANCH OF POSTERIOR CORD OF BRACHIAL PLEXUS (TRUE/FALSE)
 7. SEROUS DEMILUNES PRESENT IN PAROTID GLAND (TRUE/FALSE),
 8. LONG HEAD OF TRICEP BRACHII ORIGIN FROM SUPRA GLENOID TUBERCLE OF THE SCAPULA (TRUE/FALSE),
 9. CORTEX OF SUPRA RENAL GLAND DEVELOPED FROM NEURAL CREST CELLS (TRUE/FALSE),
 10. PARASYMPATHETIC INNERVATION OF PAROTID GLAND POST GANGLIONIC FIBRES STARTED FROM OTIC GANGLION (TRUE/FALSE),

MCQ's

11. Danger layer of the scalp
 - a. Skin
 - b. Stroma
 - c. Galea aponeurotica
 - d. Loose areolar tissue

VII) INTRODUCTION OF SCHEME OF EVALUATION.

Marks distribution:

Phase of Course	Written-Theory – Total	Practicals/Orals/ Clinicals	Pass Criteria
First Professional			<p>Internal Assessment: 35% separately in theory and practical for eligibility to appear for University Examinations</p> <p>University Examination Mandatory 50% marks in theory and practical (practical = practical/ clinical + viva)</p>
Human Anatomy - 2 papers	200	100	
Physiology - 2 papers	200	100	
Biochemistry - 2 papers	200	100	
Second Professional			
Pharmacology - 2 Papers	200	100	
Pathology - 2 papers	200	100	
Microbiology - 2 papers	200	100	
Third Professional Part – I			
Forensic Medicine & Toxicology - 1 paper	100	100	
Ophthalmology – 1 paper	100	100	
Otorhinolaryngology – 1 paper	100	100	
Community Medicine - 2 papers	200	100	
Third Professional Part – II			
General Medicine - 2 papers	200	200	
General Surgery - 2 papers	200	200	
Pediatrics – 1 paper	100	100	
Obstetrics & Gynaecology - 2 papers	200	200	

VIII) SCHEDULE OF INTERNAL ASSESSMENT EXAMINATIONS WITH SYLLABUS.

<u>INTERNAL</u>	<u>MONTH</u>	<u>SYLLABUS</u>
<u>Ist</u>	DECEMBER	General Anatomy
		Upper limb
		Lower limb
		General Histology
		General Embryology

<u>INTERNAL</u>	<u>MONTH</u>	<u>SYLLABUS</u>
<u>IInd</u>	MARCH	Thorax
		Abdomen
		Systemic Histology
		Systemic Embryology (Concerned)

<u>INTERNAL</u>	<u>MONTH</u>	<u>SYLLABUS</u>
<u>III rd/ PRE FINAL</u>	JULY	Head & neck
		Neuro anatomy
		Histology
		Embryology Concerned &
		Entire Syllabus of (Ist & IInd internal)

IX) RECOMMENDING LIST OF EXAMINERS

- Dr. V. Anantha Kumari
- Dr. Ephraim Vikram

X) RECOMMENDING LIST OF PAPER SETTERS

- Dr. V. Anantha Kumari
- Dr. Ephraim Vikram

XI) INTRODUCTION OF NON EXAMINATION SUBJECTS LIKE COMMUNICATION SKILLS, MEDICAL ETHICS, GENETICS, SOCIOLOGY, HEALTH ECONOMICS, COMPUTER SCIENCE.

Objectives:

1. To provide the first year MBBS student an orientation to :

- a. the institution
- b. the profession and physician's role in society
- c. the MBBS programme
- d. health care system and its delivery
- e. alternate health systems in the country
- f. medical ethics , attitudes and professionalism
- g. National health priorities and policies
- h. Patient safety and biosafety procedures

To enable the students to enhance requisite skills including

- a. Language
- b. Interpersonal and communication
- c. Self directed learning
- d. Time management
- e. Stress management
- f. computer and information technology

To provide certifiable instruction in:

- a. Basic Life Support
- b. First aid

XII) FIXATION OF TERMS & CONDITIONS FOR AWARD OF UNIVERSITY

GOLD MEDALS.

- The student / candidate should possess following criteria:
- Should have secured distinction marks in the subject.
- More than 80% attendance (Theory & Practicals).
- Competent in extra curricular activities, sports, project work, seminars, quiz etc.
- Attitude, Ethics & Communication.(ATCOM)

XIII) RECOMMENDING LIST OF TEXT BOOKS

• 1st MBBS LIST OF ANATOMY BOOKS

-
- 1) Gray's Anatomy (student edition),
- 2) Dissection manuals: Cunningham's manual - Vol I, II, III.
- Grants dissector.
- 3) General Anatomy – Vishram Singh
- 4) Text book of anatomy : Vishram singh – Vol I, Vol II, Vol III
- B.D.Chaurasia – Vol I, Vol II, Vol III, IV
-
- 5) Atlas of anatomy – Grant's/ Thieme / Netter.
- 6) Histology: Di Fiore's atlas
- Text book of Histology – I.B.Singh
- 7) Neuro Anatomy – Vishram Singh
- 8) Text book of Embryology - Vishram singh, I.B.Singh.
- 9) Essentials of genetics – Dr. Renu Chauhan., Gangane
- 10) Medical dictionary : Stedman's/ Dorland.

XIV) RECOMMENDING LIST OF REFERENCE BOOKS

• REFERENCE BOOKS :

•

• Gray's Anatomy 41st edition

• Text book of Anatomy: A.K.Dutta – Vol I, Vol II, Vol III

• Clinical anatomy by Snell / Keith & Moore.

• Text book of Embryology - Langman, A.K. Dutta

• Text book of Histology – Hams, Gunasekaran

XV) ANY OTHER MATTER WITH THE
PERMISSION OF THE CHAIR



KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCE
TELANGANA STATE, WARANGAL.

Lr.Rc.No. KNRUHS/ Acad/ 1735 /2019/ BOS

Dated: 21.06.2019

To

The members of Final MBBS Board of studies.

1. Prof.& HOD General Medicine, Kakatiya Medical College, Warangal.
2. Prof.& HOD General Surgery, Kamineni Institute of Medical Sciences, Narketpally.
3. Prof.& HOD OBG, Prathima Institute of Medical Sciences, Karimnagar.
4. Prof.& HOD Paediatrics, Government Medical College, Nizamabad.
5. Prof.& HOD SPM, Gandhi Medical College, Secunderabad.
6. Prof.& HOD Orthopaedics, Bhaskar Medical College, Yenkapally.
7. Prof.& HOD ENT, Kamineni Academy of Medical Sciences & Research Centre, L.B Nagar, Hyderabad.
8. Prof.& HOD Ophthalmology, Osmania Medical College, Hyderabad (SD Eye Hospital, Mehdiapatnam).
9. Prof.& HOD General Medicine, Malla Reddy Institute of Medical Sciences, Suraram.
10. Prof.& HOD General Surgery, Gandhi Medical College, Secunderabad.
11. Prof.& HOD OBG, Deccan College of Medical Sciences, Hyderabad.
12. Prof.& HOD Paediatrics, Kakatiya Medical College, Warangal.

External Members:

13. Dr. Sudhakar Prof & HOD General Medicine, Siddharth Medical College, Vijayawada.
14. Dr. A. Swamy Naidu, Prof of Paediatrics, Andhra Medical College, Visakhapatnam.

Dear Sir/Madam,

Sub: - KNRUHS – Academic Meeting of Final MBBS Board of Studies at 10.00 A.M. on 27.06.2019 in Conference hall, Hotel Ashoka, Hanamkonda, Warangal Intimation - Reg.

Ref: - Orders of the Vice - Chancellor, KNRUHS, Wgl. Dated: 21.06.2019

-o0o-

I am by direction to inform you that you have been nominated by the executive council as a member of Board of Studies in Final MBBS for a period of two years. The list of other members is in the address entry.

The first meeting of Final MBBS Board of studies will be held on 27.06.2019 at 10.00 A.M. onwards at CONFERENCE HALL, HOTEL ASHOKA, HANAMKONDA., WARANGAL to consider the following agenda.

- 1) Review of curriculum of Final MBBS Degree Course.
- 2) Review of Scheme of instructions Final MBBS Degree Course.
- 3) Review of Scheme of examinations Final MBBS Degree Course.
- 4) Review of Pattern of Question papers.
- 5) Review of Scheme of Practical Examinations.

Contd.... p/2

: 2 :

- 6) Introduction of Scheme of Evaluation.
- 7) Schedule of Internal Assessment examinations with syllabus.
- 8) Recommending list of examiners.
- 9) Recommending list of Paper setters.
- 10) Introduction of Non-Examination Subjects like Communication skills Medical ethics, genetics Sociology Health economics, Computer Science etc.,
- 11) Fixation of Terms and Conditions for award of University Gold medals.
- 12) Recommending list of text books.
- 13) Recommending list of Reference books.
- 14) Any other matter with the permission of the chair.

I request you to make it convenient to attend the meeting without fail. Your participation and experience will help the University to improve the standards of Medical Education.

Therefore, once again I am by direction request you to attend the meeting and give your valuable guidance and co-operate with the University
TA/DA will be paid by the University.

Yours faithfully



For REGISTRAR.

Copy submitted to the Principal Secretary to Government, Health Medical & Family Welfare, T.S. Hyderabad.

Copy to the Director of Medical Education, T.S. Hyderabad.

Copy to the concerned Principals to relieve the concerned candidates to attend the Board of Studies Meeting.

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES,
TELANGANA STATE, WARANGAL**



**MINUTES OF THE MEETING OF
BOARD OF STUDIES OF FINAL MBBS
HELD ON 27-06-2019 AT 10.00AM
IN ASHOKA CONVENTION HALL, HANAMKONDA.**



KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES, T.S. WARANGAL.

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES,
TELANGANA STATE, WARANGAL - 506 007.**

MINUTES OF THE MEETING OF FINAL MBBS BOARD OF STUDIES HELD ON 27.06.2019 AT 10.00AM IN CONFERENCE HALL OF HOTEL ASHOKA, WARANGAL.

The following Board of Studies Members are attended during the course of Meeting held.

- 1. Dr. V. Chandrashekhar**
Head of the Department of General Medicine, Kakatiya Medical College, Warangal.
- 2. Dr. K. Laxmanamurthy**
Head of the Department of General Surgery, Kamineni Institute of Medical Sciences, Narketpally.
- 3. Dr. G. Shailaja**
Head of the Department of OBG, Prathima Institute of Medical Sciences, Karimnagar.
- 4. Dr. Kavitha**
Head of the Department of Paediatrics, Government Medical College, Nizamabad.
- 5. Dr. Vimala Thomas**
Head of the Department of Community Medicine, Gandhi Medical College, Secunderabad.
- 6. Dr. GVS Moorthy**
Head of the Department of Orthopaedics, Bhaskar Medical College, Yenkapally.
- 7. Dr. AVS Hanumantha Rao**
Head of the Department of ENT, Kamineni Academy of Medical Sciences & Research Centre, L.B Nagar, Hyderabad.
- 8. Dr. P. Modini**
Head of the Department of Ophthalmology, Osmania Medical College, Hyderabad (SD Eye Hospital, Mehdipatnam).
- 9. Dr. B. S. V. Manjula**
Head of the Department of General Medicine, Malla Reddy Institute of Medical Sciences, Suraram.
- 10. Dr. Krishna Mohan. N**
Head of the Department of General Surgery, Gandhi Medical College, Secunderabad.
- 11. Dr. P. Padmaja**
Head of the Department of OBG, Deccan College of Medical Sciences, Hyderabad.
- 12. Dr. G. Pratap**
Head of the Department of Paediatrics, Kakatiya Medical College, Warangal.

External Members:

13. Dr. K. Sudhakar

Head of the Department of General Medicine, Siddharth Medical College,
Vijayawada.

14. Dr. A. Swamy Naidu

Prof of Paediatrics, Andhra Medical College, Visakhapatnam.

The Following University Officer's Attended.

1. Dr. T. Venkateshwar Rao
2. Dr.D. Praveen Kumar
3. Dr. Y. Malleshwar
4. Sri S.V. Satyanarayana
5. Dr. D. Ramesh Kumar
6. Dr. K. Hemanth Kumar

The Vice Chancellor welcomed the members and emphasized the members the need to improve the standards of Medical Education to meet the current requirements of the society. We also requested the members to consider the grievances of the students and informed the Government Policy and introduction of Biometric attendance for faculty and students.

Each HOD of the department shall see the maintenance of the following.

1. Teaching Dairy
2. Lesson Plan
3. Year Plan

The above are to be uploaded to the University.

The University will collect feedback from the students regarding teaching method evolved in different colleges. So that the standard of medical education will be improved.

Dr. AVS. Hanumantha Rao, Head of the Department of ENT, Kamineni Academy of Medical Sciences & Research Centre, L.B Nagar, Hyderabad is nominated as Chairman final MBBS Board of studies

1. Adoption of agenda 1

The following agenda, as circulated earlier to the members, was adopted for discussion.

I. REVIEW OF CURRICULUM OF FINAL MBBS DEGREE COURSE

For Curriculum of final MBBS it is decided to continue the same curriculum in the final MBBS, with in MCI Guidelines.

II. REVIEW OF SCHEME OF INSTRUCTIONS Final MBBS DEGREE COURSE.

Existing may be followed with the addition of seminars and more small group interactions.

III. REVIEW OF SCHEME OF EXAMINATIONS

Recommended as following

Community Medicine: Present system to be continued. ^{OSCE} OSPE/Spotters may be introduced in Practicals as follows

For Practicals

Clinico -social case study 10m

Epidemiology and statistics 10M

OSCE/spotters 10M

Viva voce 10m

Ophthalmology no change resolved to continue existing.

OBG continued with Same, OSCE to be introduced.

Pediatric continued with existing. Spotters/OSCE may be introduced.

General Medicine same for theory, Record book has to be maintained by the students

ENT: Theory no change, Practicals OSCE to be introduced for 10 M

Gen Surg: Continued existing for both theory and practicals. And candidate should pass separately in orthopedics practicals.

Log book/record should be maintained Periodically by all students for clinical subjects.

OSCE may be introduced in all subjects.

IV. REVIEW OF PATTERN OF QUESTION PAPERS.

It is considered and resolved that all questions must be from core and transparent structured approach for evaluation of papers must be implemented.

It is recommended as far as possible avoid abbreviations.

V. REVIEW OF SCHEME OF PRACTICAL EXAMINATIONS.

It is considered and resolved that Uniform Practical Exams must implemented.

VI. INTRODUCTION OF SCHEME OF EVALUATION.

It is considered and resolved that structured Key Answers and guideline should be provided.

Suggested to take key point from evaluators offer paper evaluation atleast from 2 HOD`s in each subject.

VII. SCHEDULE OF INTERNAL ASSESSMENT EXAMINATIONS WITH SYLLABUS.

It is considered and resolved to have the provisional uniform provisional schedule for all the colleges. All subject internals will be held in continuous dates. Paper setting and evaluation will be done by HODs.

It is considered and resolved that before start of academic year Internal Exams tentative dates should be announced.

For Final MBBS Part I, the suggested dates for internal assessment are in the first week of June, end of August and first week of December.

For Final MBBS part II 3 theory and one practical assessments are proposed. The theory should be held in July, September and last week of November, and practical assessment in the first week of December.

The average of the first two internal assessments should be taken and not the best of the two which has to be added to the third internal assessment (Pre final). Students have to attend all internals and should qualify in all internals.

VIII. RECOMMENDING LIST OF EXAMINERS.

It is considered and resolved that the duration for examiners should not go beyond 4 days for externals.

It is suggested to provide Air fair and accommodation for examiners by the University.

Suggested to send consolidated worksheets Hard copy may be sent to the University

Suggested for internal examiners to give feed back after exams.

IX. RECOMMENDING LIST OF PAPER SETTERS.

Paper setters and moderator should have undergone Revised basic training of MCI.

X. INTRODUCTION OF NON-EXAMINATION SUBJECTS LIKE COMMUNICATION SKILLS MEDICAL ETHICS, GENETICS SOCIOLOGY HEALTH ECONOMICS ETC., COMPUTER SCIENCE ETC.

Preferable and formative assessment

It is introduced by MCI in the new Curriculum – GMER 2019

XI. FIXATION OF TERMS AND CONDITIONS FOR AWARD OF UNIVERSITY GOLDMEDALS.

Minimum 75% marks.

Distinction

Overall topper.

XII. RECOMMENDING LIST OF TEXT BOOKS.

It is considered and resolved to recommend 2 standard Authors Books.

XIII. RECOMMENDING LIST OF REFERENCE BOOK.

It is considered and resolved to recommend few standard Authors Books.

XIV. ANY OTHER MATTER WITH THE PERMISSION OF CHAIR.

1. If a Candidate pass in theory exam and fail in practical exam, the candidate may be permitted to apply for practical exam only, for next 2 exams.

2. For Pediatrics there should be 2 theory papers for UG.


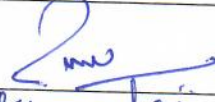


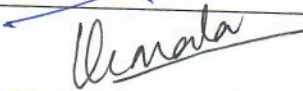
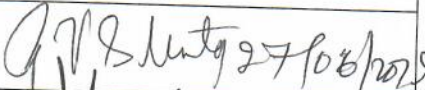
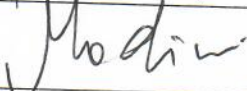
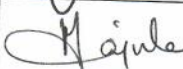



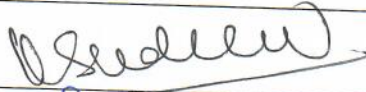

3. Separate Orthopaedics paper

4. Record marks can be added for internals.

5. Digital valuation center should be in respective colleges.


AVS Hanumantha Rao
CHAIRMAN

MEMBERS:

Sl. No	Name	Signature
01.	Dr. V. Chandrashekhar	
02.	Dr. K. Laxmanamurthy	
03.	Dr. G. Shailaja	
04.	Dr. Kavitha V.K.	
05.	Dr. Vimala Thomas	
06.	Dr. G V S Moorthy	
07.	Dr. P. Modini	
08.	Dr. B. S. V. Manjula	
09.	Dr. N. Krishna Mohan	
10.	Dr. P. Padmaja	
11.	Dr. G. Pratap	
12.	Dr. K. Sudhakar	
13.	Dr. A. Swamy Naidu	



OFFICE OF THE REGISTRAR
KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES: WARANGAL
TELANGANA STATE: 506 007

//URGENT//

From
Registrar,
KNRUHS, Warangal,

To
The Members, Board of Studies, I MBBS
Course of KNRUHS, Telangana State,
Warangal.

Rc.No.3042/ Academic/ KNRUHS/2020. Date:04.2.2021.

Sir/Madam,

Sub: KNRUHS- Conduct of Virtual meeting on 05-02-2021 at 11.00AM
for academic/examination schedule- Reg.

Ref: This Office letter Lr.No.3042/Academic/KNRUHS/2020. Date:
29.01.2021.

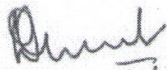
I am by direction to inform you that there will be a virtual meeting to be addressed by Vice Chancellor, Director of Medical Education, University Officials with the Principals of all Medical Colleges and Members of First MBBS Board of Studies at 11.00 AM on 05-02-2021.

You are requested to attend the meeting by joining the link to be communicated by email to discuss about COVID 19 situation after re-opening of colleges, conduct of practicals/clinical postings, conduct of internal assessment/pre final examinations and conduct of final examinations (theory, practicals, digital valuation).

You are requested to join the meeting with relevant data and plan of action for your institution.

Thanking you,

Yours faithfully,


REGISTRAR 4/2/21

Copy to:

1. Secretary to Government, HM&FW Department Telangana, Hyderabad.
2. The Director of Medical Education, TS, Hyderabad for information.
3. Controller of Examinations, KNRUHS, Warangal, for information.



**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL 506002**

From
The Registrar,
Kaloji Narayana Rao University of
Health Sciences, Telangana State,
Warangal.

To
The Members of Board of Studies (I MBBS),
Kaloji Narayana Rao University of Health
Sciences, Telangana State, Warangal.

Lr. No. 1711/KNRUHS/AC5/2023, Date:04.08.2023

Sir/Madam,

Sub: KNRUHS – Academic – BOS – First MBBS - Virtual meeting – Regarding.

<<>><<>>

The members of Board of Studies (I MBBS) are hereby informed that a virtual meeting is scheduled on **08.08.2023** at **11.30 AM**. The agenda to be discussed in the virtual meeting is as follows:

- Election of chairperson
- Review of curriculum of I MBBS Degree course
- Review of Scheme of Instruction of I MBBS Degree course
- Review of Scheme of Examinations of I MBBS Degree course
- Review of Pattern of Question Papers
- Review of Scheme of Practical Examinations
- Review of Scheme of Evaluation
- Schedule of Internal Assessment Examinations with syllabus
- Syllabus of Biochemistry Paper I & II for University Examinations as per NMC
- Recommend list of examiners
- Recommend list of Paper setters
- Introduction of Non-Examinations subjects like Communication skills, Medical Ethics, Genetics, Sociology, Health, Economics, Computer Skills etc
- Recommend list of Text books
- Recommend list of reference books
- Any other matter with the permission of chair

In this regard, the members of Board of Studies are requested to attend the virtual meeting. The web link to join the meeting is: <https://meet.google.com/dut-ggmd-rhg>

Thank you.

Yours faithfully

Sandhya
4/8/23

REGISTRAR



DECCAN COLLEGE OF MEDICAL SCIENCES
Owaisi Group of Hospitals
Medical Education Unit



Ref No: DCMS/OHRC- PEH/ MEU/2023/

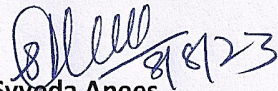
Date: 08-08-2023

KNRUHS - BOARD OF STUDIES – FIRST MBBS – VIRTUAL MEETING
MINUTES OF THE MEETING

The Board of studies meeting started by 11:30 am on 8-8-23 addressed by Dr. Venkateshwar Rao, Rector KNRUHS and other University staff.

Agenda points were discussed and decisions taken:

1. Election of Chairperson: Dr. Yoganand, Professor of Physiology, ESIC Medical College was elected as the chairperson of Board of Studies first MBBS.
2. MCQs will be included in the university exams. Details will be informed shortly.
3. The above exam pattern to be introduced from present batch or from the new batch will be decided in the executive committee.
4. Internal Assessment question paper will not be sent by university.
5. Tentative month and syllabus for Internal Assessment will be communicated by the university.
6. Biochemistry paper division as per NMC to be sent through chairperson to the university within 15 days of this meeting so that it will be applicable from the pre final exams of the present batch.
7. Practical examination pattern also to be sent to the University.
8. Final exam dates for the 1st MBBS 2022 batch – Most probably November 2023.
9. Recommended list of examiners and paper setters to be sent to University after discussion with members of board of studies.
10. List of standard textbooks and reference books to be sent to University.
11. Logbook – Can be customized according to the respective college. Common logbook not required.


Dr. Syyeda Anees
MEU Coordinator.

Copy to:

1. Principal DCMS
2. Vice-Principal, DCMS
3. IQAC

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES, TELANGANA STATE,
WARANGAL 506 002**



**MINUTES OF VIRTUAL MEETING OF
BOARD OF STUDIES - I MBBS
HELD ON 08-08-2023 AT 11.30 AM IN REGISTRAR'S CHAMBER
AT KNRUHS, WARANGAL.**

MINUTES OF BOARD OF STUDIES VIRTUAL MEETING OF FIRST MBBS HELD ON 08.08.2023 AT 11.30 AM IN REGISTRAR'S CHAMBER, KNRUHS WARANGAL

The following members of Board of Studies have attended the meeting.

1. Dr.T. Anitha – Present
Professor & HOD, Dept.of Anatomy, Chalmeda Ananda Rao Institute Of Medical Sciences.
2. Dr. Archana Dharwadkar- Present
Professor, Dept., of Biochemistry, Kamineni Academy Of Medical Sciences & Research Centre.
3. Dr. Venkateswar Reddy – Present
Professor, Dept.of Anatomy, S.V.S institute Of Medical Sciences.
4. Dr.D. Raja Shree– Present
Professor & HOD, Dept. of Physiology, Malla Reddy Medical College For Women.
5. Dr. Indla Yogananda Reddy – Present
Professor & HOD, Dept. of Physiology, ESIC Medical College.
6. Dr. R.Anitha– Present
Professor, Dept. of Physiology, Osmania Medical College, Hyderabad.
7. Dr. Syyeda Anees– Present
Professor & HOD Dept., Biochemistry, Deccan College Of Medical Sciences.
8. Dr. Sangamithra Panda – Present
Professor & HOD, Dept. of Physiology, Shadan Institute Of Medical Sciences.
9. Dr. A. Vinodini- Present
Professor & HOD, Dept., of Anatomy, Gandhi Medical College,Secunderabad.

The following officers of KNRUHS attended the virtual meeting.

1. Dr.T. Venkateshwar Rao, Rector.
2. Dr.S. Sandhya, Registrar.
3. Dr.D. Ramesh Kumar, Joint Registrar.
4. Dr.Y. Malleshwar, Controller Of Examinations.

- The Vice Chancellor is pleased to constitute new Board Of Studies of KNRUHS for First MBBS course as per the resolution approved by the Executive Council of KNRUHS in its 14th EC Meeting.
- In this regard, a virtual meeting has been conducted by the University with the newly constituted members of Board of Studies for First MBBS course on 08-08-2023 at 11.30 AM through virtual meeting in Registrar's Chamber of KNRUHS, Warangal..

Adoption of agenda

The following agenda items, as circulated earlier to the members, have been discussed regarding I MBBS course

- Election of Chairperson.
- Review of curriculum of I MBBS Degree course
- Review of scheme of instruction of I MBBS Degree course
- Review of scheme of examinations of I MBBS Degree course
- Review of pattern of question papers
- Review of scheme of practical examinations
- Review of scheme of evaluation
- Schedule of internal assessment examinations with syllabus
- Syllabus of Biochemistry Paper 1 and Paper 2 for University examinations as per NMC.
- Recommend list of examiners.
- Recommend list of Paper Setters.
- Introduction of Non-Examinations subjects like communication skills, Medical ethics, Genetics, Sociology, Health, Economics and Computer skills.
- Recommend list of text books.
- Recommend list of reference books.
- Any other matter with the permission of the chair.

1. Election of Chairperson

The members have unanimously elected Dr. Indla Yogananda Reddy, Professor & HOD, Dept. of Physiology, ESIC Medical College as the Chairperson of Board Of Studies for First MBBS course.

2. Review of curriculum of I MBBS Degree course

It has been discussed that the curriculum and scheme of examinations shall be discussed among the members of the BOS committee and the recommendations shall be forwarded to the University by the chairman of the committee.

3. Review of pattern of question papers

The following pattern of question paper has been discussed regarding theory paper in the subjects of Anatomy, Physiology and Biochemistry Paper 1 and Paper 2.

- Multiple Choice Questions - 10 marks
- Theory Paper – 90 marks
- Time duration – 3 hours

4. Review of scheme of practical examinations

The BOS committee has informed that the recommendations regarding scheme of practical examinations shall be forwarded to the University through the Chairman of the BOS committee.

5. Schedule of internal assessment examinations with syllabus

- It has been discussed in the meeting that university has to inform the colleges regarding month in which internal assessment examination shall be conducted.
- The members of the BOS committee have recommended that the internal assessment examination should be uniform for all the colleges and the colleges shall complete the syllabus for first internal assessment, second internal assessment and pre-final examinations as per the recommendations of the BOS committee.
- In continuation, it has been discussed that the internal assessment and pre-final paper evaluation shall be conducted by the colleges.

6. Syllabus of Biochemistry Paper 1 and Paper 2 for University examinations as per NMC.

- The Controller of Examinations has expressed concern regarding the discrepancies in the syllabus of Biochemistry paper 1 and paper 2 University examination and requested the BOS committee to clarify the syllabus. The members of the BOS committee have agreed and informed that the syllabus of Biochemistry paper 1 and paper 2 of University examination shall be informed to the University through the chairman of BOS, so that the University can communicate the same to all the colleges.
- The BOS committee has discussed in detail that the syllabus in the subjects of Biochemistry, Anatomy and Physiology Paper 1 and Paper 2 for University examinations shall be followed and implemented according to the syllabus and guidelines prescribed by National Medical Commission.
- It has been discussed that the University examinations in all subjects shall be conducted according to NMC syllabus.

7. Recommend list of examiners

- The BOS committee has been requested to update the list of examiners.

The members of the BOS committee have informed that the list of Paper Setters, list of text books, reference books and other recommendations in detail shall be forwarded to the University through the Chairman of the BOS committee

It has also been discussed in the meeting that the University shall forward the list of BOS members along with the agenda items, in order to enable the chairperson to conduct a meeting (online/offline) to discuss the agenda items with the members of the BOS committee and to submit the recommendations to the University through the chairperson within 15 days.

ANY OTHER MATTER WITH THE PERMISSION OF CHAIR.

-NIL-

MEMBERS:

1. Dr.T. Anitha
2. Dr. Archana Dharwadkar
3. Dr. Venkateswar Reddy
4. Dr.D. Raja Shree
5. Dr. Indla Yogananda Reddy
6. Dr. R.Anitha
7. Dr. Syyyeda Anees
8. Dr. Sangamithra Panda
9. Dr. A. Vinodini
10. Dr. V. Padmaja

UNIVERSITY OFFICIALS

Y. Malle

Dr. Y. Malleshwar,
Controller Of Examinations, KNRUHS

D. Ramesh

Dr. D. Ramesh Kumar,
Joint Registrar, KNRUHS

S. Sandhya
10/18/18

Dr. S. Sandhya,
Registrar, KNRUHS

T. Venkateshwar Rao
10/18

Dr. T. Venkateshwar Rao,
Rector, KNRUHS



Principal DCMS <principal@deccancollegeofmedicalsciences.com>

**KNRUHS - Examination Wing - Board of Studies Recommendations - First MBBS
(New Regulations) Question Paper pattern for 2019 Regulation CBME batch and
Syllabus of Biochemistry, Anatomy and Physiology paper-I & Paper-II -
Communicated - Reg.**

3 messages

Dr Y. Malleshwar COE KNRUHS <coeknruhwgl16@gmail.com>

Fri, Sep 8, 2023 at 1:10 PM

To: omc_hyd <omc_hyd-ts@nic.in>, gmc_hyd <gmc_hyd@nic.in>, Principalkmcwgl Warangal <pwarangal@gmail.com>, 017-GMC NIZMBD 2 <gmc_nizamabad@yahoo.com>, "PRINCIPAL, GMC, MAHABUBNAGAR" <principalgmcmbnr-ts@gov.in>, DIRECTOR RIMS ADILABAD <rimsadilabad@yahoo.com>, 027-Govt Medical College Siddipet <principalsdptmc2017@gmail.com>, Governement Meedical Collaage <gmcsdpt502103@gmail.com>, Dean-hyd@esic.in, 029-Govt Medical College Nalgonda <gmcnalgonda@gmail.com>, 028-Govt Medical College Suryapet <gmc Suryapet@gmail.com>, gmc.mahabubabad@gmail.com, gmc.ramagundam@gmail.com, gmc.sangareddy@gmail.com, gmc.jagtial@gmail.com, gmc.bhadradrikothagudem@gmail.com, gmc.wanaparthy@gmail.com, gmc.nagarkurnool@gmail.com, gmc.mancherial@gmail.com, INFO <info@apolloimr.edu.in>, "Principal Bhaskar Medical College, Hyderabad" <Principal.bhaskarmc@gmail.com>, CAIMS-Karimnagar <caims_edu@yahoo.com>, Principal KIMS <principal@kimsmedicalcollege.org>, MRIMS MALLA <mrimms.2012@gmail.com>, infomamata@yahoo.co.in, Principal MIMS <principal@mims.edu.in>, Security-post-mailer <mnrmc@mnrindia.org>, Prathima Institute of Medical Sciences <pims_07@yahoo.co.in>, Svsmc Mbnr <svsmc_mbnr@yahoo.co.in>, Mallareddy Medical College For Women <mrmcw777@gmail.com>, 25 <rvims.ri@gmail.com>, prathimareliefwarangal@gmail.com, Shadan Institute of Medical Sciences <shadan.sims@gmail.com>, dr vrkwmc <drvrkwmc@gmail.com>, "026-Ayaan Inst. of Med. Sciences" <aims.ayaan@gmail.com>, "030-Dr PMRIMS, Chevella" <pmrims@gmail.com>, 031-Mamata Academy of Medical Sciences Bachupally <info@mams.org.in>, MAMS Hyderabad dean <dean@mams.org.in>, Surabhi Institute of Medical Sciences Siddipet <surabhimedicalcollege@gmail.com>, Principal <principal@kamsrc.com>, principalkamsrc@gmail.com, Maheshwara Medical College <hro@maheshwaramedical.com>, Principal <principal@maheshwaramedical.com>, Principal DCMS <principal@deccancollegeofmedicalsciences.com>, principaldcms@yahoo.com, Mahavir Institute of Medical Sciences <info@mahavirmedicalcollege.org>, 033-TRR Medical College <trrmedicalcollege@gmail.com>

Cc: drexams knruhs <drexamsknruhs@gmail.com>

Sir/Madam,

Please find the attachment.

Regards

Controller of Examinations

Kaloji Narayana Rao University of Health Sciences.

Warangal, Telangana State - 506007

Mobile: 7901094943

coeknruhwgl16@gmail.com

7 attachments

 Covering Letter.pdf
404K

 BIOCHEMISTRY SYLLABUS PAPER I AND PAPER II.pdf
402K

 FIRST MBBS (NR) QUESTION PAPER FORMAT.pdf
299K

 CURRICULUM BIOCHEMISTRY.pdf
809K

 PRACTICAL EXAM PATTERN.pdf
455K



CONTROLLER OF EXAMINATIONS
KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES: WARANGAL
TELANGANA STATE: 506 002

Lr.No:1711/KNRUHS/Exams/2023

Dated: 08.09.2023

To
The Principals of all Medical Colleges
Offering MBBS Course
Affiliated to KNRUHS, TS, Warangal.

Sir/Madam,

Sub:- KNRUHS – Examination Wing – Board of Studies Recommendations
- First MBBS (New Regulations) Question Paper pattern for 2019
Regulation CBME Batch and Syllabus of Biochemistry, Anatomy and
Physiology Paper-I & Paper-II – Communicated – Reg.

<<◇>>

With reference to the subject cited, I am by direction to inform you that the First MBBS (New Regulations) 2019 Regulation CBME Batch Question Paper pattern and Syllabus of Biochemistry, Anatomy and Physiology Paper-I & Paper-II are herewith enclosed for your information.

Hence, you are hereby directed to inform the same to the students and HODs concerned and to display the same in the notice board of the college.

N. S. S. S.

Controller of Examinations
KNRUHS, TS, Warangal

MEU

HODs (Anat, physio, Biochem)

(VP)

AS RP

AS Shahbaza

⊕

13/9

3

PAPER CODE:
KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA STATE, WARANGAL – 506 002

FIRST MBBS DEGREE EXAMINATIONS: _____, 2023

Name of the Subject (Paper)

Time: 3 Hours

Note: Answer all questions

Max Marks: 100

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

10 x 1 = 10

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

Essay/ Long Answer Questions:

2 X 15 = 30

- 11.
- 12.

Short Answer Questions:

7 X 6 = 42

- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.

Very Short Answer Questions:

6 X 3 = 18

- 20.
- 21.
- 22.
- 23.
- 24.
- 25.

BOARD OF STUDIES (BOS) – 1st MBBS, KNRUHS (Constituted in August 2023)

CURRICULUM & INSTRUCTIONS FOR PAPER SETTERS – PHYSIOLOGY:

The paper-setter needs to keep in mind the following points while framing the question paper.

1. Each system has a specific weightage of marks. Eg: Questions from the “Respiratory system” can be having a weightage of 15 M in the question paper, questions from “Cardiovascular system” can have weightage of 20 M etc... (Tables 1 & 2)
2. Bloom’s Taxonomy guidelines must be followed while designing the question paper. (Table 3)
3. Questions must be from the Curriculum for 1st MBBS students as prescribed by NMC & BOS, KNRUHS (2019) – includes the competencies & **objectives** mentioned below. (Table 4)
4. Framing of essay questions, short answer type questions, very short answer type questions and multiple choice questions should be done as per the NMC CBME guidelines for medical education.
5. One essay question (15 M) needs to be of a clinical-case-based-scenario type.
6. Both Paper I & Paper II each should include One question related to AETCOM module in the Short answer type questions (5 M).

AETCOM Modules division among all 3 departments – Prescribed by NMC. (Reference: pg 61, CBME 2023 Regulations, NMC). AETCOM modules (1.1 to 1.5 for 1st Professional Year) are available on NMC site – AETCOM Competencies for the Indian Medical Graduate, 2018.

AETCOM Competencies for First MBBS

Subject	Competency Number	Competency
Physiology	Module 1.2, Module 1.3	Demonstrate empathy in patient encounters
	Module 1.4	Demonstrate ability to communicate to patients in a patient, respectful, non- threatening, non-judgmental and empathetic manner

PRACTICAL EXAM PATTERN FOR PHYSIOLOGY:

SET & TOPIC	SUB-TOPICS	MARKS	CONSOLIDATED MARKS
A – HAEMATOLOGY (20M)	Major: RBC/ WBC/ DLC	15 M	20 M
	Minor: BT/ CT/ Blood groups/ Hb	5M	
B – CLINICAL EXAMINATIONS (20M) *	CNS: (Sensory/ Motor/ Cranial Nerves – any one component – i.e Examine Power of muscles/2 nd cranial nerve etc...)	5 M	20 M
	CNS:OSPE/OSCE of any one component – Eg: 2-point discrimination, Vibration sense, Tone, 3 rd ,4 th , 6 th cranial nerves etc..	5 M	
	Respiratory / CVS/ Abdomen – Any one component: Eg: Inspect/Palpate/Percuss/Auscultate the RS/CVS/ Abdomen	5 M	
	Respiratory / CVS (OSPE/OSCE) – Eg: Palpate the Trachea, Apex, percuss left heart border, liver, spleen etc..	5 M	
C – HUMAN EXPERIMENTS (20M)	Major: Recording of Arterial BP/ BP with Posture/ BP with exercise/ Mosso's ergography/ Vital Capacity	10 M	20 M
	Minor: Arterial Pulse	5 M	
	Calculations: (MCV, MCH, MCHC, Lung volumes & capacities, Clearance etc....)	5 M	
D – MISCELLANEOUS (20M)	Amphibian graph (Nerve-Muscle/ Cardiac) Chart	5 M	20 M
	Clinical Case Scenario	5 M	
	ECG	5 M	
		5 M	
GRAND VIVA	General & Cell, Blood, Nerve Muscle	5 M	20 M
	Cardiovascular system, Respiratory system including Environmental Physiology, GIT	5 M	
	CNS, ANS, Special Senses	5 M	
	Endocrine, Reproductive system, Renal Physiology, Integrated Physiology, including Regulation of Body Temperature	5 M	
TOTAL			100 M

*Please note that the OSPE/OSCE examples mentioned in the table are only suggestions... any component can be placed in the examination part and any component can be placed in the OSPE/OSCE part, depending on the marks weightage & discretion of the college.

I. **BIOCHEMISTRY SYLLABUS, DIVIDED INTO PAPER 1 & PAPER 2**

BIOCHEMISTRY THEORY PAPER -1			
S.No	Topics	Competencies	(Weightage Marks)
1.	Cell, cellular organelles, structure of cell membrane and transport across cell membrane	BI 1.1	05
2.	Enzymes	BI 2.1 to BI 2.7	12
3.	Chemistry & metabolism of carbohydrates	BI 3.1 to BI 3.10	18
4.	Chemistry & metabolism of lipids	BI 4.1 to BI 4.7	18
5.	Biological Oxidation	BI 6.6	08
6.	Vitamins	BI 6.5	15
7.	Minerals	BI 6.9 & BI 6.10	08
8.	Nutrition & Dietetics	BI 8.1 to BI 8.5	08
9.	Biochemical laboratory tests and principles underlying techniques, Basis for Biochemical Tests done in Diseases	BI 1.23 & BI 1.24 BI 11.1 to BI 11.3 BI 11.6, BI 11.18, BI 11.19, BI 11.5, BI 11.15, BI 11.17	03
10	AETCOM		05
TOTAL MARKS			100

BIOCHEMISTRY THEORY PAPER -2			
S.No	Topics	Competencies	Weightage (Marks)
1.	Chemistry of amino acids, proteins and metabolism of proteins	BI 5.1 to BI 5.5, BI 9.3	15
2.	Plasma Proteins, Immunology and Immunoglobulins	BI 11.17 BI 10.3 to BI 10.5	05
3.	Chemistry & metabolism of nucleotides	BI 6.2 to BI 6.4	10
4.	Molecular Biology, techniques & gene therapy	BI 7.1 to BI 7.4	15
5.	Biochemistry of cancer & tumor markers	BI 10.1, BI 10.2	05

PRACTICAL EXAM PATTERN FOR BIOCHEMISTRY:

TOPIC	SUBTOPIC	MARKS	CONSOLIDATED MARKS
QUALITATIVE	Normal Constituents of Urine, Abnormal Constituents of Urine	20 M	20 M
QUANTITATIVE	Estimation of Blood Glucose, Estimation of Blood urea, Estimation of Serum Creatinine, Estimation of serum Total Proteins, Estimation of Serum Albumin to Globulin ratio – A : G ratio	20 M	20 M
Clinical Charts	Clinical Chart – 1	10 M	20 M
	Clinical Chart – 2	10 M	
OSPE	Procedure Stations	15 M	15 M
	6 response stations (Spotters)		
Record	Record Book	05 M	05 M
Grand Viva	Cell, enzymes, chemistry & metabolism of carbohydrates, lipids	05 M	20M
	Biological oxidation, vitamins, minerals, nutrition, Free radicals, antioxidants, xenobiotics	05 M	
	Chemistry & metabolism of proteins, plasma proteins, immunology, Heme metabolism, principles of chromatography & electrophoresis	05 M	
	Chemistry & metabolism of nucleotides, molecular biology, oncogenes	05 M	
	Tumor markers, organ function tests.		
TOTAL			100 M

BOARD OF STUDIES (BOS) – 1st MBBS, KNRUHS(Constituted in August 2023)

CURRICULUM & INSTRUCTIONS FOR PAPER SETTERS – ANATOMY:

The paper-setter needs to keep in mind the following points while framing the question paper.

1. Each system has a specific weightage of marks. Eg: Questions from the “Upper limb” can be having a weightage of 20 M in the question paper, questions from “Head & Neck” can have weightage of 25 M etc... (Tables 1 & 2)
2. Bloom’s Taxonomy guidelines must be followed while designing the question paper. (Table 3)
3. Questions must be from the Curriculum for 1st MBBS students as prescribed by NMC & BOS, KNRUHS (2019) – includes the competencies & **objectives** mentioned below. (Table 4)
4. Framing of essay questions, short answer type questions, very short answer type questions and multiple-choice questions should be done as per the NMC CBME guidelines for medical education.
5. One essay question (15 M) needs to be of a clinical-case-based-scenario type.
6. Both Paper I & Paper II each should include One question related to AETCOM module in the Short answer type questions (5 M).

AETCOM Modules division among all 3 departments – Prescribed by NMC. (Reference: pg 61, CBME 2023 Regulations, NMC). AETCOM modules (1.1 to 1.5 for 1st Professional Year) are available on NMC site – AETCOM Competencies for the Indian Medical Graduate, 2018.

AETCOM MODULES FOR ANATOMY

AETCOM Competencies for First MBBS

Subject	Competency Number	Competency
Anatomy	Module 1.5	The cadaver as our first teacher Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue
	Module 1.1	Identify, discuss Physician’s role and responsibility to society and the community that she/he serves

PRACTICAL EXAM PATTERN FOR ANATOMY:

TOPIC	SUB-TOPICS	MARKS	CONSOLIDATED MARKS
HISTOLOGY	Spotters slides (10 X 02)	20 M	40 M
	Discussion slides (02 X 5)	10 M	
	Genetic chart (01 X 5)	05 M	
	Record book	05 M	
DISSECTION PART	OSPE	10 M	40 M
	Major (Viscera)	15 M	
	Minor (Limbs)	10 M	
	Surface Marking	05 M	
ORALS/ VIVA	Osteology	05 M	20 M
	Radiology	05 M	
	Embryology Models	05 M	
	Soft Parts	05 M	
TOTAL			100 M