



ರಾಜೀವ್ ಗಾಂಧಿ ಆರೋಗ್ಯ ವಿಜ್ಞಾನಗಳ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಕರ್ನಾಟಕ

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No. RGUHSB/RRAC/AUTH(MEET)/59/2023SYN/2025 Date: 14.07.2025

NOTIFICATION

Sub: Question Paper Blue Print in the subjects of Anatomy, Biochemistry & Physiology for the Academic batch of 2024-25 M.B.B.S. students.

- Ref:**
1. RGUHSB/RRAC/AUTH(MEET)/09/198SYN/2025,Dtd 04.04.2025.
 2. BOS UG Medical (Pre-Clinical) meeting held on 11.06.2025.
 3. Minutes of CAC Meeting held on dated 30.06.2025.
 4. Decision of 203rd Syndicate Meeting held on 04.07.2025.

As per the 198th Syndicate decision, "Implementation of the CBME – 2024 Guidelines (Released by the National Medical Commission) for the Academic year 2024-25 M.B.B.S students" who are studying in the affiliated institutions was approved and notified vide ref 1

Whereas, the Board of Studies of UG Medical – Preclinical (Anatomy, Physiology & Biochemistry) deliberated and recommended the division of each subject syllabus into paper -I & II and has provided the blue print of the QP in detail (Ref 2).

Whereas, in the Committee of Academic Council (ref 3) and the Syndicate in its 203rd meeting have decided to inculcate the same in the QP preparation. Hence the notification as below:

NOTIFICATION No. RGUHSB/RRAC/AUTH(MEET)/59/2023SYN/2025, Dt: 10.07.2025

In exercise of the powers conferred under the section 35(1) of the RGUHS Act, 1994 and its Amendment Act, 2013, the Syndicate in its 203rd meeting held on 04.07.2025, has decided to implement the following Question Paper Blue Print for the University assessment of the Anatomy, Physiology and Biochemistry subjects, to the M.B.B.S batch of 2024-25 with immediate effect.

1. General Points of Importance:

- a. The Question Paper Blue Print is indicative **only**.
- b. The following Question paper blue print is to distribute the subject into Paper-I & II for the University assessment only.
- c. As the curriculum is competency based and the questions are also based on the case scenario & applied aspects, strict division of the subject into Paper -I & II is not possible and there is likely to be some overlapping which is inevitable.

- d. Division of the system in each paper is indicative only. Marks allotted to various systems in each paper may vary with that of the below mentioned blue print.
- e. Each paper shall carry MCQ

2. QP-Pattern for Anatomy, Biochemistry & Physiology: -

- a. Papers: -

Subject	No Papers	Maximum Marks
Anatomy	Paper – I	100
	Paper -II	100
Physiology	Paper – I	100
	Paper -II	100
Biochemistry	Paper – I	100
	Paper -II	100

- b. Last 10 questions shall be of Multiple-choice questions. Each MCQ shall be **case scenario-based** questions and each MCQ shall have two sub questions carrying one mark each. Totally MCQ shall carry 20 marks in each paper.
- c. Apart from the MCQ, the rest of each paper pattern shall be as follows

LONG ESSAY	
1.	1 Question x 10 = 10 Marks
Reasoning questions (Short Answers)	
05 Questions x 3 = 15 Marks	
2.	
3.	
4.	
5.	
6.	

SHORT NOTES	
04 Questions x 5 = 20 Marks	
7.	Applied aspects (with integrated module Topic- Anaemia, Ischemic Heart Disease, Diabetic Mellitus, Tuberculosis, Hypertension, Thyroid)
8.	Applied aspects (with integrated module Topic- Anaemia, Ischemic Heart Disease, Diabetic Mellitus, Tuberculosis, Hypertension, Thyroid) With respect to paper & Department relevant competency
9.	Applied Aspects
10.	Applied Aspects
SHORT NOTES	
07 Questions x 5 = 35 Marks	
11.	
12.	
13.	
14.	
15.	
16.	
17.	AETCOM (with respect to concerned department competency)
18 to 27	MCQ Questions 10 Questions x 2 = 20 Marks
Grand total 100 marks	

3. Distribution of Marks of each paper according to the systems

a. Anatomy Paper 1: -

Sl. No.	Systems	Marks allocated
1	General Anatomy	6
2	General Histology	5
3	General Embryology	8
4	Upper Limb	17
5	Thorax Including Diaphragm	20
6	Head And Neck	27
7	Neuroanatomy	12
8	AETCOM	05
Grand total 100 marks		

b. Anatomy Paper II: -

Sl. No.	Systems	Marks allocated
1	Systemic histology	11
2	Systemic embryology	11
3	Genetics	08
4	Lower limb	17
5	Abdomen	28
6	Pelvis	20
7	AETCOM	05
Grand total 100 marks		

c. Physiology Paper – I: -

Sl. No.	Systems	Marks allocated
1	General Physiology	05
2	Haematology	20
3	Cardiovascular Physiology	25
4	Respiratory Physiology	20
5	Gastrointestinal Physiology	13
6	Renal Physiology	12
7	AETCOM	05
Grand total 100 marks		

d. Physiology Paper -II: -

Sl. No.	Systems	Marks allocated
1	Nerve & Physiology	12
2	Endocrine Physiology	20
3	Reproductive Physiology	14
4	Central Nervous System	32
5	Special senses	10
6	Integrated Physiology	07
7	AETCOM	05
Grand total 100 marks		

e. Biochemistry Paper -I: -

Sl. No.	Systems	Marks allocated
1	Cell And Subcellular Organells	05
2	Enzymes	10
3	Carbohydrate chemistry	05
4	Carbohydrate metabolism	10
5	Lipid chemistry	05
6	Lipid Metabolism	10
7	Integration of Metabolism and Homeostasis, Alcohol metabolism	02
8	Biological Oxidation	05
9	Vitamins	10
10	Minerals	10
11	Nutrition	08
12	Acid Base Balance	10
13	Water and Electrolyte Balance	02
14	Extra cellular Matrix	03
15	AETCOM	05
Grand total 100 marks		

f. Biochemistry-Paper-II: -

Sl. No.	Systems	Marks allocated
1	Protein chemistry	05
2	Plasma proteins	05
3	Immunology	05
4	Protein and amino acid metabolism	10
5	Nucleotide chemistry	05
6	Nucleotide metabolism	10
7	Molecular biology	10
8	Molecular biology techniques	08
9	Biochemistry of cancer, HIV, biochemical changes in AIDS	05
10	Heme metabolism	10
11	Organ function tests	10
12	Free Radicals and antioxidants	05
13	Xenobiotics and detoxification	05
14	Clinical chemistry Artificial intelligence in biochemistry lab practices	02
15	AETCOM	05
Grand total 100 marks		

(Approved in e- Office No.104530)

REGISTRAR

To,

The Dean/Director/Principals of all colleges affiliated to RGUHS.

Copy to:

1. The Special Secretary to Governor, Raj Bhavan, Bengaluru -560001.

2. Private Secretary to Minister for Medical Education & Skill Development, Room, No.206-207, Vikas Soudha, Dr. B.R Ambedkar Veedhi, Bengaluru
3. The Personal Secretary to Principal Secretary to Government, Department of Medical Education, M S Building, 4th Gate, 6th Floor, Dr. B.R Ambedkar Veedhi, Bengaluru
4. All the Members of Senate/Syndicate of RGUHS
5. PA to Vice-Chancellor/Registrar/Registrar (Eva)/FO, RGUHS, Bengaluru.
6. All the Members of Senate/Syndicate of RGUHS
7. All the Section Heads of the University
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