

**PG Degree Regular/Supplementary Examinations in General
Medicine (MD) June 2024**

Paper I – Basic Sciences as Applied to General Medicine

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Discuss about physiology of Sleep and Wakefulness. Discuss about approach and evaluation of the patient with excessive daytime sleepiness.

Short essays: (8x10=80)

2. Blood supply and lamination of tracts of Internal Capsule.
3. Apoptosis pathway and its role in cancer.
4. Insulin Resistance.
5. Bilirubin metabolism and classification of jaundice based on this.
6. Different mechanisms of antibiotic resistance.
7. Gene therapy.
8. Define anaphylaxis, enumerate its causes. Describe clinical presentation and management.
9. D-dimer.
