

# 2010 Scheme

Q.P. Code 106001

Reg. No.:.....

## First Professional MBBS Degree Supplementary Examinations July 2022

### Biochemistry - Paper II

Time: 3 hrs

Max marks: 50

- 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 (10)

1. Explain the process of translation in eukaryotes. Add a note on inhibitors and post translational modifications (5+2+3)

#### Short essays (2x5=10)

2. Functions and deficiency manifestations of vitamin A
3. Role of kidney in acid base balance

#### Short notes (5x3=15)

4. Types of RNA and their functions
5. Purine salvage pathways
6. Formation and fate of bilirubin
7. DNA repair mechanisms
8. Biochemical role of Vitamin B<sub>12</sub>

#### Answer briefly (5x2=10)

9. Calcitriol formation
10. Okazaki fragments
11. Acute phase proteins
12. Functions of selenium
13. Scurvy

#### Give precise answers (5x1=5)

14. Enzyme defect in orotic aciduria
15. Southern blotting
16. Markers of cholestasis
17. Antioxidant vitamins
18. Two conditions of hyperuricemia

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