

# **2010 Scheme**

**Q.P. Code 106001**

**Reg. No.:.....**

## **First Professional MBBS Degree Supplementary Examinations January 2025**

### **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. Describe protein biosynthesis in eukaryotes. Name two inhibitors of microbial protein synthesis. (8+2)

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

2. What is the normal pH of blood. Describe the renal regulation of Acid Base homeostasis.

3. Describe the dietary sources, daily requirement and deficiency symptoms of Vitamin D.

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

4. Describe the signs and symptoms of Thiamine deficiency.

5. Lesch nyhan Syndrome.

6. Importance of Selenium in the human body.

7. What are tumour markers. Give examples.

8. Name the applications of recombinant DNA technology.

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

9. Bence Jones proteins.

10. Southern blotting.

11. Genetic code

12. Write the differences between DNA and RNA.

13. Van Den Berghs test.

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

14. Name the disease caused by deficiency of Vitamin C.

15. What is P53.

16. Name the enzyme deficient in SCID.

17. Name two antioxidants.

18. Give the normal level of serum Calcium.

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