



**2010 Scheme**

Q.P. Code 106001

Reg. No.:.....

**First Professional MBBS Degree Supplementary Examinations  
February 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 bilirubin formation and excretion in detail. Describe the biochemical changes in hepato-cellular and obstructive jaundice. (3+3+2+2)

**Short essays**

(2x5=10)

2. Creatinine clearance and its clinical significance.
3. Structure of B-DNA. Add a note on different types of DNA.

**Short notes**

(5x3=15)

4. Mention the origin of carbon and nitrogen atoms in purine ring.
5. Wald's visual cycle
6. Functions and deficiency manifestations of thiamine
7. Trace elements
8. Functions of vitamin E

**Answer briefly**

(5x2=10)

9. Hyperkalemia
10. Introns and exons.
11. Alpha fetoprotein
12. Cardiac markers
13. Chromatography

**Give precise answers**

(5x1=5)

14. N functions of t-RNA
15. Mention two examples of post-translational modification.
16. List the biological role of vitamin B<sub>12</sub>
17. Name two causes of secondary hyperuricaemia
18. Co-enzyme form of biotin

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