

## 2010 Scheme

Q.P. Code: 105001

Reg. No.: .....

### First Professional MBBS Degree Supplementary Examinations July 2022

#### Biochemistry – Paper I

Time: 3 Hours

Total 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. Name the aromatic amino acids. Discuss the metabolism of tyrosine and its related disorders. (1+5+4)

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

2. Glycogen storage diseases
3. Reverse cholesterol transport

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

4. Lactose intolerance
5. Prostaglandins
6. Fatty liver
7. ATP synthase complex
8. Cardiac markers

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

9. Significance of 2,3 BPG
10. Essential pentosuria
11. Familial hypercholesterolemia
12. Deficiency features of essential fatty acids
13. Marasmus

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

14. Biochemical basis of Zellweger's syndrome
15. Mention the enzyme which is inhibited by fluoride
16. Enzyme defect in Tay Sachs disease
17. What is renal glycosuria
18. Inhibitor of cytochrome oxidase

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