



Q.P.Code 106001

Reg. No.:.....

**First Professional MBBS Degree Supplementary Examinations  
November 2020**

**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. What is the normal pH of blood. Describe in detail about the respiratory and renal regulation of blood pH and add a note on metabolic acidosis. (1+7+2)

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

2. Catabolism of Heme  
3. Recombinant DNA technology and its applications.

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

4. Formation of uric Acid  
5. Functions of vitamin B6  
6. Define point mutation and types with one example  
7. Absorption and transport of iron  
8. Genetic code

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

9. Antioxidants  
10. Beri Beri  
11. Acute Intermittent Porphyrria  
12. Gene therapy  
13. Serum electrophoresis and its clinical importance

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

14. Hypokalemia  
15.  $\beta$  - thalassemia  
16. Name two tumour markers and their significance  
17. Enzyme markers of hepatic jaundice  
18. Creatinine Clearance

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