

Q.P.Code 106001

**First Professional MBBS Degree Supplementary Examinations**  
**February 2017**

**BIOCHEMISTRY - PAPER II**

Time : 3 hrs

Max marks : 50

- Answer all questions
- Draw diagrams wherever necessary

**Essay** (10)

1. Mention the salient features of genetic code. Discuss in detail about the various types of mutation. (3+7=10)

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

2. Un-conjugated hyperbilirubinemias  
3. Plasma buffers

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

4. Thalassemias  
5. Lesch Nyhan syndrome  
6. Phase II reactions of detoxification  
7. Wilson's disease  
8. Vitamin K cycle

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

9. Restriction endonuclease  
10. Acute intermittent porphyria  
11. Function and deficiency manifestations of vitamin E  
12. Post translational modifications  
13. Western blot technique

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

14. DNA helicase  
15. Disorder of defect in excision nucleotide repair  
16. Mention the copper containing enzymes  
17. Hormones involved in regulation of blood calcium level  
18. Bence Jones protein

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