

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
