

Q.P.Code 106001

Reg. No.:.....

First Professional MBBS Degree Examinations July 2017



BIOCHEMISTRY - PAPER II

Time : 3 hrs

Max marks : 50

- Answer all questions
- Draw diagrams wherever necessary

Essay

1. Discuss the process of translation and add a note on post translational modifications. (10)

(7+3)

Short essays

2. Porphyrias presenting with photosensitivity

(2x5=10)

3. Metabolic acidosis

Short notes

4. Sickle cell anemia

(5x3=15)

5. Gout

6. Phase I reactions of detoxification

7. Menke's disease

8. Folate trap

Answer briefly

(5x2=10)

9. Apoptosis

10. Factors influencing absorption of iron

11. Active forms of vitamin A and the deficiency manifestations

12. Post transcriptional modifications

13. Southern blot technique

Give precise answers

(5x1=5)

14. Molecular scissors.

15. Disorder of defect in mismatch repair

16. Mention the zinc containing enzymes

17. Wobble hypothesis.

18. Mention the acute phase reactants