

Q.P.Code 106001

Reg. No.:.....

**First Professional MBBS Degree Supplementary Examinations
January 2018****BIOCHEMISTRY - PAPER II**

Time: 3 hrs

Max marks : 50

- Answer all questions
- Draw diagrams wherever necessary

Essay (10)

1. Describe the sources, RDA, functions and deficiency disorders associated with vitamin D. (1+1+4+4)

Short essays (2x5=10)

2. Porphyrrias.
3. Describe post transcriptional modifications and its significance with examples.

Short notes (5x3=15)

4. Okazaki fragments.
5. Name three factors regulating plasma calcium levels
6. Chloride shift
7. Absorption of iron
8. Bence-Jones proteins

Answer briefly (5x2=10)

9. Ceruloplasmin
10. Fluorosis
11. Vanden Berg reaction
12. Base-pairing rule
13. Oncogenes

Give precise answers (5x1=5)

14. Name the deficient enzyme in Lesch-Nyhan syndrome
15. Mention the function of spliceosomes
16. Name two DNA repair mechanisms
17. Tumor markers
18. Albumin-globulin ratio
