

Q.P.Code: 106001

Reg. No.:.....

**First Professional MBBS Degree Supplementary Examinations
January 2019****Biochemistry - Paper II**

Time: 3 hrs

Max marks: 50

- Answer all questions
- Draw diagrams wherever necessary

Essay**(10)**

1. Describe the chemistry, biochemical functions, requirements and deficiency symptoms of vitamin A (2+3+2+3)

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

2. Structure of DNA
3. Catabolism of purines

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

4. Creatinine clearance
5. Acute intermittent porphyria.
6. Respiratory acidosis and its causes
7. Synthetic nucleotide analogs and its uses
8. Functions of immunoglobulins

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

9. Normal values of serum electrolytes (Sodium, Potassium, Bicarbonate, and Chloride)
10. Tumor markers
11. Functions of thiamine pyrophosphate
12. Effects of mutation
13. Transport of iron

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

14. What are anti oxidants.
15. Name the inhibitors of replication
16. Normal serum bilirubin level
17. Folate deficiency
18. Clinical significance of serum amylase

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