

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. Specific dynamic action
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. Name the factors affecting basal metabolic rate
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
