

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
