



Q.P.Code 106001

Reg. No.:.....

**First Professional MBBS Degree Regular/Supplementary Examinations
August 2019**

Biochemistry - Paper II

Time: 3 hrs

Max marks: 50

- Answer all questions
- Draw diagrams wherever necessary

Essay

(7+3)

1. Describe heme synthesis and its regulation in detail.

Short essays

(2x5=10)

2. Post transcriptional modifications.
3. Homeostasis of blood calcium

Short notes

(5x3=15)

4. DNA polymerases
5. Wilson's disease
6. Lesch Nyhan syndrome.
7. Lac operon.
8. Radioimmunoassay

Answer briefly

(5x2=10)

9. Folate trap.
10. Biochemical role of thiamine pyrophosphate
11. Pellagra.
12. Detoxification by conjugation
13. Inhibitors of translation.

Give precise answers

(5x1=5)

14. Clinical features of fluorosis.
15. Hyponatremia
16. Anion gap.
17. Mention two examples of oncogenes / proto oncogenes and their associated cancer.
18. Clinical significance of bile salts.

