

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.
