

QP Code: 313020

Reg. No.....

**Third Year B.Sc. Medical Biochemistry Supplementary Examinations
October 2021
Metabolism III**

(2016 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x15=30)

1. Discuss replication in detail. Add a note on inhibitors of replication
2. Describe the process of transcription. Add a note on post-transcriptional modifications.

Short Essay

(2x10=20)

3. Describe polymerase chain reaction and its applications.
4. Discuss post-translational modifications.

Short Answers

(6x5=30)

5. Lesch Nyhan syndrome
6. Cell cycle
7. Salvage pathway of purines
8. Southern blot technique
9. Applications recombinant DNA technology
10. Point mutation

Comment on

(10x2=20)

11. Orotic aciduria
12. Gout
13. Telomeres
14. Nucleotide excision repair
15. Frameshift mutation
16. Wobble hypothesis
17. DNA finger printing
18. Chromosomes
19. Inhibitors of translation
20. Vectors
