

QP Code: 313020

Reg. No.....

Third Year B.Sc. Medical Biochemistry Regular/Supplementary
Examinations July 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. What is transcription. Explain the steps of transcription. Add a note post transcriptional modifications
2. Describe the mechanisms of regulation of gene expression in Eukaryotes

Short Essay

(2x10=20)

3. Replication
4. Organization of DNA

Short Answers

(6x5=30)

5. Protein targeting.
6. Salvage pathway of purines
7. DNA finger printing
8. Post translational modifications
9. Mutations
10. PCR

Comment on

(10x2=20)

11. Inhibitors of translation
12. Western blot
13. Wobble hypothesis
14. Telomere
15. Restriction endonuclease
16. Mitochondrial DNA
17. Mismatch repair
18. Gout
19. Sources of atoms of purine ring
20. Genetherapy
