

QP Code: 303020

Reg. No.....

Third Year B.Sc. Medical Biochemistry Examinations September 2018

Metabolism III

Time: 3 Hours

Total Marks: 80

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay

(2x15=30)

1. Discuss the de novo synthesis of purine nucleotides and add a note on regulation of purine synthesis
2. What is translation. Write the process of translation and add a note on post translational processing.

Short Essay

(2x10=20)

3. Mutation
4. DNA repair mechanism

Short Answers

(4x5=20)

5. Telomerase
6. Orotic aciduria
7. PCR technique
8. Lac Operon

Comment on

(5x2=10)

9. Nucleosome
10. Plasmids
11. Chargaff's rule
12. Northern blot technique
13. Klenow fragment
