

D 52714

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Name.....

Reg. No.....

THIRD SEMESTER MSc. DEGREE EXAMINATION, FEBRUARY 2009

Microbiology

MB 32 T—MOLECULAR BIOLOGY

(As per 2005 admission syllabus)

Maximum : 80 Marks

Time : Three Hours

Section. A

*Answer all questions.
Each question carries 2 marks.*

Write very briefly on :

1. Genetic code.
2. Ribosomes.
3. Zinc Finger.
4. ~~3~~-duction.
5. IS Element.
6. Hyper chromisiti of DNA.
7. HFT Lysate.
8. Discontinuous replication of DNA.
9. P⁵³.
10. Hoogsteen base pairing.
11. Replicature Transposons.
12. Antisense RNA.
13. tRNA.
14. Cistron.
15. Operon.
16. Linkage.
17. Episomes.
18. Histones.
19. CAP Protein.
20. TATA Box.

(20 x 2 = 40 marks)

Turn over

Section B**D** 5271

*Answer any **five** questions.*

Each question carries 8 marks.

Write notes on :

1. Transcription factors in **Eukaryotes**.
2. Post translational modifications of Proteins.
3. **Telomeres**.
4. Genetic mapping in Bacteria.
5. **Lytic** and **Lysogenic** cycle.
6. **Oncogenes** and Tumour suppressor genes.
7. DNA ^recombination in **Eukaryotes**.

(5 x 8 = 40 marks)