

D 51739

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Name

Reg. No.....

**THIRD SEMESTER M.Sc. DEGREE EXAMINATION
DECEMBER 2013**

(CUCSS)

Microbiology

MB 3E 02 – DIAGNOSTIC MICROBIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

*Answer **all** questions in 2 **or** 3 sentences each.*

Each question carries a weightage of 1.

1. Probe.
2. Enterotube.
3. RFLP.
4. Agarose.
5. RT-PCR.
6. SDS-PAGE.
7. bDNA.
8. Microarray.
9. Genomic finger printing.
10. Plasmid.
11. Multiplex PCR.
12. r-RNA gene sequencing.
13. MVLA.
14. Rapid Antigen Tests.

(14 x 1 = 14 weightage)

Section B

*Write short notes on any **seven**.*

Each question carries a weightage of 2.

15. Automated blood culture.
16. Pulsed Field Gel Electrophoresis.

Turn over

17. FRET technology.
18. Agarose Gel Electrophoresis.
19. Enzyme Linked Immunoassays.
20. Molecular strain typing.
21. Nested PCR.
22. Plasmid profile analysis.
23. Signal Amplification Techniques.
24. Tag polymerase.

(7 x 2 = 14 weightage)

Section C

*Write in detail about any **two**.*

Each question carries a weightage of 4.

25. Advanced techniques in Diagnostic.
26. Types of polymerase chain reactions.
27. Detection of Molecular Amplification products.

(2 x 4 = 8 weightage)