

D 91668

Name.....

Reg. No.

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2015

(CUCSS)

Microbiology

MB 3C 09—MEDICAL MICROBIOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

*Answer **all** questions in 2 or 3 sentences each.
Each question carries 1 weightage.*

- | | |
|----------------------|----------------------------------|
| 1. Diphtheria toxin. | 2. Transport media. |
| 3. Healthy carrier. | 4. Endogenous infection. |
| 5. Relapsing fever. | 6. Macrolides. |
| 7. Satellitism. | 8. Bubonic plague. |
| 9. Hepatitis A. | 10. Coagulase test. |
| 11. Mumps. | 12. <i>Leishmania donovani</i> . |
| 13. Pneumococci. | 14. H_1N_1 . |

(14 x 1 = 14 weightage)

Section B

*Write short notes on any **seven** questions.
Each question carries 2 weightage.*

- | | |
|------------------------------|-----------------------|
| 15. <i>E.coli</i> diarrhoea. | 16. Histoplasmosis. |
| 17. Nonspecific urethritis. | 18. Varicella Zoster. |
| 19. Candidiasis. | 20. Actinomycetes. |
| 21. Real Time PCR. | 22. E test. |

(7 x 2 = 14 weightage)

Section C

*Write in detail any **two** questions.
Each question carries 4 weightage.*

23. Transferable drug resistance in Bacteria.
24. Rapid diagnosis of *Mycobacterium tuberculosis*
25. Molecular diagnostic methods.

(2 x 4 = 8 weightage)

D 91671

Name

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, DECEMBER 2015

(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 1 weightage.*

- | | |
|-------------------------|-----------------------------|
| 1. PNA probe. | 2. Reverse transcriptase. |
| 3. Melting temperature. | 4. b DNA. |
| 5. Fluorophore. | 6. Double immuno diffusion. |
| 7. Van A gene. | 8. D test. |
| 9. Broad range primers. | 10. RFLP. |
| 11. Nested PCR. | 12. Coagglutination. |
| 13. Radioimmuno assay. | 14. 16S r RNA. |

(14 x 1 = 14 weightage)

Section B

*Write short notes on any seven questions.
Each question carries 2 weightage.*

- | | |
|---|-------------------------------------|
| 15. Phenotypic testing of drug resistances. | 16. Nucleic acid sequencing. |
| 17. Membrane sound SPIA. | 18. ELISA. |
| 19. DNA microarray. | 20. Fluorescent immuno assay. |
| 21. Transcription mediated amplification. | 22. Counter immuno electrophoresis. |

(7 x 2 = 14 weightage)

Section C

*Answer any two questions.
Each question carries 4 weightage.*

- | |
|---|
| 23. Automated microbial identification and characterisation. |
| 24. Recent advances in rapid diagnosis of <i>Mycobacterium tuberculosis</i> . |
| 25. Role of PCR in diagnostic bacteriology. |

(2 x 4 = 8 weightage)