

Rajiv Gandhi University of Health Sciences

II Year B.N.Y.S Degree Examination – OCT-2019

Time: Three Hours

Max. Marks: 80 Marks

Microbiology (RS3)
QP Code: 2533
(QP contains two pages)

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Section - A

Multiple Choice Questions

10 X 1 = 10 Marks

1. Widal test is used for the diagnosis of
 - a) Tuberculosis
 - b) Whooping cough
 - c) Enteric fever
 - d) Dysentery
2. Tuberculin test demonstrate
 - a) Type I Hypersensitivity
 - b) Type II Hypersensitivity
 - c) Type III Hypersensitivity
 - d) Type IV Hypersensitivity
3. Staining technique is introduced by
 - a) Louis Pasteur
 - b) Robert Koch
 - c) Joseph Lister
 - d) Edward Jenner
4. Which of the following method is used for sterilization of Lowenstein Jensen media?
 - a) Incineration
 - b) Inspissations
 - c) Vaccine bath
 - d) All the above
5. Incomplete antigen is termed as
 - a) Toxin
 - b) Epitope
 - c) Complement
 - d) Hapten
6. Millionaire molecule among immunoglobulin is
 - a) IgG
 - b) IgM
 - c) IgA
 - d) IgD
 - e)
7. Drum stick appearance is seen in
 - a) M.tuberculosis
 - b) C.diphtheriae
 - c) CI.tetani
 - d) M.leprae
8. Chocolate agar is an example for
 - a) Enriched media
 - b) Enrichment media
 - c) Differential media
 - d) Simple media
9. Example for capsulated fungi
 - a) Aspergillus
 - b) Candida
 - c) Cryptococcus
 - d) Dermatophytes
10. Which among the following mosquito species transmit dengue fever?

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- a) Culex
- b) Anophiles
- c) Aedes aegypti
- d) None of these

Section B

LONG ESSAYS (Answer any two)

2 X 10 = 20 Marks

- 11. Explain in detail pathogenesis and lab diagnosis of enteric fever.
- 12. Name antigen antibody reactions, explain precipitation tests in detail.
- 13. Explain in detail pathogenesis, lab diagnosis and prophylaxis of Rabies.

SHORT ESSAYS (Answer any ten)

10 X 5 = 50 Marks

- 14. Opportunistic fungal infections
- 15. Cell mediated immune response
- 16. Nosocomial infection
- 17. Vaccines
- 18. Filariasis
- 19. Dry heat sterilisation
- 20. Robert Koch
- 21. Autoimmunity
- 22. Herpes simplex virus
- 23. Lab diagnosis of staphylococcus
- 24. HIV
- 25. Stool examination

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