

# Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Immunology

Course Code - MBT201

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- Dip.CE
- Dip.ME
- MCA
- M.SC.(CS)

- M.SC.(ANCS)
- M.SC.(MM)
- MBA
- M.SC.(BT)
- M.TECH(CSE)
- LLM
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- M.A.(ENG)
- M.SC.(MATH)
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Answer all the questions. Each question carry one mark.

9. 1. Inflammation reaction is brought about by

*Mark only one oval.*

- Plasma cells
- Mast cells
- Macrophages
- Adipose cells

10. 2. Innate immunity is provided by

*Mark only one oval.*

- Phagocytes
- Antibodies
- T-lymphocytes
- B-lymphocytes

11. 3. Which one engulfs foreign materials

*Mark only one oval.*

- Macrophages
- Plasma cells
- Mast cells
- Lymphocytes

12. 4. Passive immunity is obtained through injecting

*Mark only one oval.*

- Antibiotics
- Vaccines
- Antibodies
- Antigens

13. 5. Rh factor is named after

*Mark only one oval.*

- Monkey
- Drosophila
- Rat
- Man

14. 6. Which of the following compounds is NOT found in tears?

*Mark only one oval.*

Lysozyme

Lactoferrin

IgA

IgE

15. 7. Name the cytokines which released in response to virus infection?

*Mark only one oval.*

Interferons

Monokines

Lymphokines

Interleukins

16. 8. Which of the following is NOT the characteristics of a good antigen?

*Mark only one oval.*

Large in size

Foreignness

Highly complex

Reproduce only by binary fission

17. 9. Pattern recognition receptors (PRR) include

*Mark only one oval.*

- Lectin-like molecules
- Lipoteichoic acid
- Unmethylated CpG sequences
- LPS

18. 10. The Plasma cells secrete

*Mark only one oval.*

- Antibody of two antigen specificities
- The antigen it recognizes
- Many different types of antibody
- Lysozyme/ Antibody of a single specificity related to that on the surface of the parent B-cell

19. 11. Interferons

*Mark only one oval.*

- are divided into 5 main families
- are found only in mammalian species
- are specific for individual viruses
- induce enzyme synthesis in the target cell

20. 12. The first immunoglobulin heavy chain class to be expressed on the surface of a newly produced B-cell is

*Mark only one oval.*

- IgA  
 IgD  
 IgE  
 IgG/ IgM

21. 13. The antibody class found at highest concentrations in serum is

*Mark only one oval.*

- IgE  
 IgM  
 IgD  
 IgG

22. 14. Which of the following class of immunoglobulin is pentameric structure?

*Mark only one oval.*

- IgA  
 IgD  
 IgH  
 IgM



23. 15. Which of the following antibody have four constant regions (CH1, CH2, CH3, CH4)?

*Mark only one oval.*

- IgA  
 IgD  
 IgM  
 IgG

24. 16. Which of the following complement is bound by IgG?

*Mark only one oval.*

- C2a  
 C2b  
 C3a  
 C3b

25. 17. Which of the immunoglobulin isotype have the longest half-life?

*Mark only one oval.*

- IgG  
 IgM  
 IgA  
 IgE

26. 18. Unable to understand others lead to

*Mark only one oval.*

- Information
- Money
- Unhappiness
- None of these

27. 19. The Ig that mediates allergic reaction is

*Mark only one oval.*

- IgM
- IgG
- IgE
- IgA

28. 20. VDRL test is an example of

*Mark only one oval.*

- Tube test
- Ring test
- Slide test
- None of these

29. 21. Agglutination reaction is more sensitive than precipitation for the detection of

*Mark only one oval.*

- Antigens
- Antibodies
- Complement
- Antigen-Antibody Complexes

30. 22. Ring test is used for

*Mark only one oval.*

- C-reactive protein test
- Ascoli's thermoprecipitation test
- typing of Streptococci and Pneumococci
- All of these

31. 23. Monoclonal antibody production requires

*Mark only one oval.*

- mouse splenic lymphocytes
- mouse myeloma cells
- both mouse splenic lymphocytes and mouse myeloma cells
- None of these

32. 24. Who discovered the structure of immunoglobulin by treating it with beta-mercaptoethanol?

*Mark only one oval.*

- Nisonoff
- Edelman
- Porter
- Whittaker

33. 25. Fluorescent treponemal antibody test is an example of

*Mark only one oval.*

- indirect immunofluorescence
- direct immunofluorescence
- both indirect immunofluorescence and direct immunofluorescence
- none of these

34. 26. The immunoglobulin Joining chain (J-chain) is

*Mark only one oval.*

- only produced by T-Cells
- only produced by neutrophils
- associated with only multimeric forms of IgM and IgA
- associated with IgE for histamine release

35. 27. The first vaccine was developed by

*Mark only one oval.*

- Louis Pasteur
- Edward Jenner
- Carl Landsteiner
- Joseph Miester

36. 28. Which of the following is a combined vaccine?

*Mark only one oval.*

- Hepatitis B vaccine
- Hib vaccine
- Var vaccine
- DPT vaccine

37. 29. The first recombinant antigen vaccine approved for human use is

*Mark only one oval.*

- Hepatitis B vaccine
- Hib vaccine
- Var vaccine
- DPT vaccine

38. 30. Which of the following is a polysaccharide vaccine?

*Mark only one oval.*

- anthrax vaccine
- rabies vaccine
- hepatitis A vaccine
- Hib vaccine

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