

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

Course Name - Immunology

Course Code - MMB203

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Answer all the questions. Each question carry one mark.

9. 1. The clinical or inapparent infection leads to:

Mark only one oval.

- Natural active immunity
- Artificial active immunity
- Natural passive immunity
- Artificial passive immunity

10. 2. All the following statements are true for artificial passive immunity except:

Mark only one oval.

- Artificial passive immunity is the resistance
- It is short-lived and lasts only a few weeks to a few months
- This type of immunity is immediate
- This immunity may be induced by maternal antibodies

11. 3. All the following are killer vaccines except:

Mark only one oval.

- Salk vaccine
- Non-neural vaccines for rabies
- Hepatitis B vaccine
- BCG

12. 4. The test that does not use heterophilic antigen is:

Mark only one oval.

- TPHA test
- Weil-Felix reaction
- Paul-Bunnell test
- Cold agglutination test

13. 5. The J-chain is present in the immunoglobulin:

Mark only one oval.

- IgG
- IgM
- IgA
- IgE

14. 6. Which is the earliest immunoglobulin to be synthesized by the fetus?

Mark only one oval.

IgG

IgM

IgA

IgE

15. 7. Antibodies that are bound to mast cells and involve in allergic reactions are:

Mark only one oval.

IgG

IgM

IgA

IgE

16. 8. All the following statements are true for complement except that these are:

Mark only one oval.

Glycoproteins

Heat labile substances

Found in an active state in the plasma

Synthesized primarily by liver cells

17. 9. The activation of complement takes place through either of the following pathways except:

Mark only one oval.

- The classical pathway
- The lectin pathway
- The alternative pathway
- The lipid pathway

18. 10. The alternative pathway of the complement is initiated by:

Mark only one oval.

- Endotoxins
- Lipopolysaccharides
- Yeast cell walls
- All of these

19. 11. Which component of complement is present in the highest concentration in the serum?

Mark only one oval.

- C1
- C2
- C3
- C5

20. 12. Which of the following is the earliest site of hematopoiesis in the embryo:

Mark only one oval.

- Bone marrow
- Liver
- Yolk sac
- Thymus

21. 13. Which immune cell is responsible for the quickest release of histamine that causes the red itchy welts associated with allergies?

Mark only one oval.

- mast cell
- lymphocyte
- eosinophil
- basophil

22. 14. The two types of lymphocytes are:

Mark only one oval.

- Platelets and T-cells
- B-cells and the T-cells
- Platelets and erythrocytes
- T-cells and erythrocytes

23. 15. Which of these produces and secretes antibodies in the body?

Mark only one oval.

- Bacteria
- Plasma cell
- Virus
- Both bacteria and virus

24. 16. The physical barriers that form part of the immune system are:

Mark only one oval.

- The skin and the mucosal membranes
- The skin, body temperature and the mucosal membranes
- The bones and the mucosal membranes
- None of these

25. 17. Immunoglobulin whose levels rise in response to parasitic infections and are described as being a mediator of type 1 hypersensitivity reactions.

Mark only one oval.

- IgE
- IgA
- IgM
- IgG

26. 18. The most prevalent immunoglobulin in serum is also a good opsonizer and can cross the placenta.

Mark only one oval.

- IgE
- IgA
- IgM
- IgG

27. 19. The most abundant type of antibody is found in all body fluids and protects against bacterial and viral infections is:

Mark only one oval.

- IgE
- IgA
- IgM
- IgG

28. 20. The domains by which immunoglobulin bind to antigen are:

Mark only one oval.

- constant region
- variable region
- framework region
- hinge region

29. 21. Cytokines are:

Mark only one oval.

- Carcinogens
- Viruses
- Bacteria
- Hormone-like polypeptides

30. 22. T cells recognize antigen:

Mark only one oval.

- In a 3 dimensional form
- In solution in the plasma
- When presented on the surface of antigen presenting cells
- Following presentation by pattern recognition receptors

31. 23. MHC class I molecules are primarily involved in:

Mark only one oval.

- Recognition of glycolipid antigens
- Resistance to fungi
- Resistance to viruses
- Activation of neutrophils

32. 24. Name the cell which receives antigen presented by MHC molecule.

Mark only one oval.

- NK cells
- B-cells
- T-cells
- Macrophages

33. 25. An example of the complement fixation test is:

Mark only one oval.

- Weil-Felix reaction
- Rose Waller test
- Wasserman's reaction
- Coombs test

34. 26. ELISA stands for:

Mark only one oval.

- Enzyme-Linked Immune System Assay
- Enzyme-Linked Immunosorbent Assay
- Enzyme-Ligase Immunosorbent Assay
- Enzyme-Linked Immunosorbent Assessment

35. 27. How many methods of ELISA are there?

Mark only one oval.

- 1
- 2
- 3
- 4

36. 28. The 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

37. 29. Anti-Streptolysin O (ASO) is:

Mark only one oval.

- Cardioliipin antigen
- oxygen-resistant hemolytic toxin
- oxygen-labile hemolytic toxin
- cardioliopin lecithin-cholesterol antigen

38. 30. VDRL test is an example of:

Mark only one oval.

- Immunofluorescence
 - Flocculation test
 - Agglutination test
 - All of these
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