Choose and write the correct answer

1. Which of the following can induce immunity
   a) bacteria  
   b) viruses  
   c) parasites  
   d) all the above

2. Skin is an
   a) anatomical barrier  
   b) physiological barrier  
   c) phagocytic barrier  
   d) inflammatory barrier

3. Which among the following is anti-bacterial?
   a) interferon  
   b) lysozyme  
   c) hormone  
   d) protein

4. Which of the following is anti-viral?
   a) lysozyme  
   b) interferon  
   c) protein  
   d) hormone

5. Identify the phagocytic cells from the following combinations
   a) Macrophage and neutrophil  
   b) Lymphocyte and eosinophil  
   c) Macrophage and eosinophil  
   d) Eosinophil and neutrophil

6. Histamine is secreted by
   a) Epithelial cell  
   b) Mast cells  
   c) Red blood cells  
   d) white blood cells

7. Humoral immunity consists of
   a) normal cells  
   b) pathological cells  
   c) cytotoxic cells  
   d) immunoglobulin molecules

8. Which type of graft is used in plastic surgery?
   a) xenograft  
   b) allograft  
   c) autograft  
   d) isograft

9. MHC genes in mouse is located in
   a) Chromosome 1  
   b) Chromosome 2  
   c) Chromosome 4  
   d) Chromosome 6

10. Which of the following is an autoimmune disease?
    a) AIDS  
    b) Multiple sclerosis  
    c) Cancer  
    d) Asthma

11. Which antibody characterizes the allergic reaction?
    a) Ig G  
    b) Ig A  
    c) Ig M  
    d) Ig E

12. SCID is due to
    a) Adenosine deaminase deficiency  
    b) Glucose oxidase deficiency  
    c) Phosphatase deficiency  
    d) Lactate dehydrogenase deficiency

13. Which of the following causes AIDS?
    a) Bacteria  
    b) Fungus  
    c) Retro virus  
    d) TMV

14. Thymus growth occurs up to
    a) 17 years  
    b) 12 years  
    c) 5 years  
    d) 30 years

15. Which of the following secretes immunoglobulin
    a) T-lymphocyte  
    b) B-lymphocyte  
    c) Macrophage  
    d) Mast cells

16. The H-chain of immunoglobulin has a molecular weight
    a) equivalent to that of light chain  
    b) Twice that of light chain  
    c) Triple the amount of light chain  
    d) Twice as that of dark chain

17. Immunoglobulins are chemically
    a) glycoproteins  
    b) glyco-proteins  
    c) glycolipids  
    d) Lipo-proteins

18. Hypervariability regions are present in
    a) heavy chain only  
    b) light chain only  
    c) heavy and light  
    d) dark chain

19. Organ transplantation from pig to human is an example for
    a) Autograft  
    b) Allograft  
    c) Iso-graft  
    d) Xeno-graft

20. Graft between identical twins is called
    a) Xeno-graft  
    b) Allograft  
    c) Auto graft  
    d) Iso graft
21. Which is acting as a filter for trapping circulatory blood born foreign particles?
   a) Thymus   b) Spleen   c) Lymph node   d) Liver

22. The part of the antibody molecule which makes contact with the antigen is called
   a) Hapten   b) Constant region   c) Epitope   d) Paratope

23. The Hassall’s corpuscles are seen in
   a) Cortex of lymph nodes   b) Cortex of thymus   c) Medulla of lymph nodes   d) Medulla of thymus

24. Which one of the following is the thymic dependent areain lymph node?
   a) Cortical follicle   b) Medulla   c) Inlet duct   d) Paracortical area

25. Phagocytosis is performed by............
   a. Erythrocytes   b. Thrombocytes   c. Leucocytes   d. Antibodies

26. Histamine and prostaglandin are secreted by............

27. Cytotoxic lymphocytes are a sub group of................
   a. B-cells   b. Platelets   c. T-cells   d. MALT

28. The T-cells get matured in ............
   a. Thigh muscles   b. Platelets   c. T-cells   d. MALT

29. Thymus reaches its maximal size............
   a. At 12 month   b. Before birth   c. In third month   d. At the age of 5

30. Dinitrophenol is an example of............
   a. Antigen   b. Immunogen   c. Hapten   d. MHC

31. Cell mediated immunity is performed by........................

32. Primary lymphoid organ in the bird is ................
   a. Thymus   b. Spleen   c. Bursa of fabricius   d. Bone Marrow

33. The molecular weight of ‘H’ chain of immunoglobulin is ............
   a. 25,000 daltons   b. 50,000 daltons   c. 30,000 daltons   d. 40,000 daltons

34. The natural killer cells are ............

35. Antibody mediated immunity is directed by................
   a. B-lymphocytes   b. T-lymphocytes   c. Macrophages   d. Cytotoxic lymphocytes

36. Rheumatoid arthritis is an example of ................
   a. Hypersensitivity  b. Autoimmune disease  c. Immunodeficiency disease  d. Mechanical disease

37. The number of lymph nodes in distributed in human body is about............
   a. 600   b. 700   c. 800   d. 900

38. Which is called as antigenic determinant?

39. What is the least number of hot spots in immunoglobulin?
   a. 6   b. 5   c. 4   d. 3

40. Which one of the following is a chemical alarm signal?
   a. Lysozyme  b. Interferon  c. Histamine  d. Hcl

******************************************************************************ALL THE BEST******************************************************************************