



BIOLOGY

BOOKS - UNIVERSAL BOOK DEPOT

1960 BIOLOGY (HINGLISH)

HEALTH AND DISEASE

Health And Disease

1. Which one of the following provide non specific pathogen defense for the body

A. T-cells

B. B-cells

C. Phagocytes

D. Stem cells

Answer: C



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2. To which category multiple sclerosis belong?

A. Immundeficiency diseases

B. Autoimmune diseases

C. Hyper sensitivity

D. All the above

Answer: B



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3. Which one of the following statement is correct

- A. Patients who have undergone surgery are given cannabinoids to relieve pain
- B. Benign tumours show the property of metastasis
- C. Heroin accelerates body functions
- D. Malignant tumours may exhibit metasis

Answer: D



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4. Note the following: (A) Skin, (B) Phagocytes, (C) B-cells, (D) Inflammation, (E) Antibodies, (F) T-cells, (G) Fever, (H) Antimicrobial proteins, (I) NK-cells (J) Secretions, Identify the factors involved in 2nd lines of defence

A. (B), (D), (G) and (I)

B. (B), (C), (E) and (I)

C. (D), (F), (H) and (J)

D. (C), (E), (G) and (H)

Answer: A



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5. Choose the wrong statement regarding AIDS

A. AIDS is an immunodeficiency disease

B. It's caused by a retrovirus, HIV

C. HIV selectively infects and kill B-lymphocytes

D. Retroviruses have RNA genomes that replicate via DNA intermediate

Answer: C



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6. Only one of the following four ways through which AIDS can spread

A. Infected needles and syringes

B. Through mosquito bites

C. Looking after AIDS patient

D. Shaking hands, coughing, sneezing,
hugging

Answer: A



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7. Active immunity development is related to

A. Natural killer cells

B. Memory cells

C. Helper T cells

D. Suppressor T cells

Answer: B



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8. When an organ is transplanted and is rejected by the body, the lymphocytes are produced by

A. Cytotoxic T cells

B. NK cells

C. Suppressor T cells

D. B cells

Answer: A



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9. Which one of the following statement is correct with respect to immunity

A. Performed antibodies need to be injected to treat the bite by a viper

snake

B. The antibodies against small pox pathogen are produced by T-lymphocytes

C. Antibodies are protein molecules, each of which has four light chains

D. Rejection of a kidney graft is the function of B-lymphocytes

Answer: A



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10. The most commonly used marker enzyme in clinical diagnosis of prostate cancer is:

A. Amylase

B. Alkaline phosphatase

C. γ GTPase

D. Acid phosphatase

Answer: D



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11. Cells obtained from cancerous tumors are known as

- A. Hybridomas
- B. Myelomas
- C. Lymphocytes
- D. Monoclonal cells

Answer: B



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12. Which Ig is produced in primary immune response

or

Which antibody is first to be released into blood following an infection

A. IgA

B. IgE

C. IgG

D. IgM

Answer: D





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13. Immunodeficiency makes a person highly susceptible to infection. It is caused by

- A. Lack of b cells
- B. Lack of T cells
- C. Lack of B and T cells
- D. None of the above

Answer: C



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14. Expand ELISA

- A. Enzyme linked immunosorbent assay
- B. Enzyme linked ion sorbent assay
- C. Enzyme linked inductive assay
- D. None of the above

Answer: A



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15. In higher vertebrates, the immune system can distinguish self-cells and non-self. If this property is lost due to genetic abnormality and it attacks self-cells, then it leads to

- A. Allergic response
- B. Graft rejection
- C. Auto-immune disease
- D. Active immunity

Answer: C



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16. Characters of acquired immunity are

- A. Specificity of antigen
- B. Difference between self and non-self
- C. Retains memory
- D. All of these

Answer: D



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17. DPT vaccine is given for

A. Tetanus, polio, plague

B. Diphtheria, whooping cough and leprosy

C. Diphtheria, pneumonia, tetanus

D. Diphtheria, whooping cough, tetanus

Answer: D



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18. Plasma cells are derived from

A. Cytotoxic T-cells

B. Helper T-cells

C. Memory B-cells

D. Memory T-cells

Answer: C



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19. Rishikesh is famous for the production of

A. Antibiotics

B. Heavy electricals

C. Fertilizers

D. Transistorized radios

Answer: A



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20. B.C.G. vaccine is used against

A. T.B.

B. Leprosy

C. Food poisoning

D. None of these

Answer: A



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21. The immune system which works against self is

A. Self immune system

B. Autoimmunity

C. Specific immunity

D. None of the above

Answer: B



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22. How many polypeptide chains are present in gamma immunoglobulin

or

How many variable segments are present in the basic structure of antibody molecule

A. 5

B. 4

C. 6

D. 2

Answer: B





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23. AIDS is caused by

A. Blood cancer

B. HTLV-III

C. Bacterium

D. TMV

Answer: B



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24. Bursa of Fabricius is an important organ of birds. This organ is associated with

- A. Generation of basophils
- B. Production of uric acid
- C. Metabolism of fatty acid
- D. Generation of B-cell

Answer: D



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25. Passive immunity can be obtained by injecting

or

After vaccination the body builds up

A. Antigens

B. Antibodies

C. Antibiotics

D. Vaccination having weakened germs

Answer: B



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26. As per the guidelines of the Indian Red Cross Society, which of the following persons is recommended for blood donation ?

A. People not in good health, under the influence of alcohol or drugs

B. Ladies during menstruation, pregnancy and breast feeding

C. Healthy women but unwed and below the age of 35

D. Persons who are immunized with live vaccines

Answer: D



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27. First triple antigen vaccination is given to the child at the age of

A. One month

B. Three month

C. Four month

D. One year

Answer: B



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28. Edward Jenner discovered

A. Vaccination against polio

B. Immunization against polio

C. Vaccination against small pox

D. Immunization against small pox

Answer: C



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29. Immediate hypersensitivity which result in the release of the histamine and other inflammatory substances is mediated by

A. IgA

B. IgD

C. IgE

D. IgG

Answer: C



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30. Immunoglobulins are proteins that show.....Structure

A. Primary

B. Secondary

C. Tertiary

D. Quaternary

Answer: D



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31. Which one of the following acts as a physiological barrier to the entry of microorganisms in human body

A. Skin

B. Epithelium of Urogenial tract

C. Tears

D. Monocytes

Answer: C



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32. In ELISA TEST substance used is

A. Peroxidase

B. Polymerase

C. Ligase

D. Endonuclease

Answer: A



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33. Vaccine against rabies was first developed
by

A. Edward Jenner

B. George Snell

C. Louis Pasteur

D. Peter Goror

Answer: C



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34. After infection of germs immunity acquired

is

or

The immunity obtained after the body has

recovered from a disease is

- A. Active immunity
- B. Passive immunity
- C. Natural immunity
- D. Both (a) and (b)

Answer: A



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35. Antibody formation and immunity production is done by a protein called globulin present in the

A. Stroma of RBC

B. Hemoglobin of RBC

C. Plasma

D. Blood platelets

Answer: C



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36. Study of interaction of antigens and antibodies in the blood is

A. Cryobiology

B. Serology

C. haematology

D. Angiology

Answer: B



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37. AIDS is caused by HIV that principally infects

A. All lymphocytes

B. Activator B cells

C. T-4 lymphocytes

D. Cytotoxic T cells

Answer: C



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38. Which part of the body is known as 'police guard'

A. Tonsils

B. Liver

C. Skin

D. Leucocytes

Answer: C



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39. Which one of the following is not an autoimmune disease

A. Grave's disease, Psoriasis

B. Pernicious anemia, Vitiligo

C. Rheumatoid arthritis

D. Insomania, Alzheimer`s Disease

Answer: D



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40. Read the following four statements (A-D)

(a) Colostrum is recommended for the new born because it is rich in antigens

(b) Chikengunya is caused by a Gram negative bacterium

(c) Tissue culture has proved useful in obtaining virus-free plants

(d) Beer is manufactured by distillation of fermented grape juice

How many of the above Statements are wrong

A. Two

B. Three

C. Four

D. One

Answer: A



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41. Antibodies are produced by

A. Erythrocytes

B. Thrombocytes

C. Monocytes

D. Lymphocytes

Answer: D



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42. What is the process, in which antibody comes in contact with antigen and convert them in harmless insoluble matter, called

- A. Activation
- B. Agglutination
- C. Neutralization
- D. Opsonization

Answer: B



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43. People administered with preformed antibodies get

- A. Active immunity
- B. Innate immunity
- C. Natural immunity
- D. Passive immunity

Answer: D



44. Which cell of immune system cause pore formation at the surface of the plasma membrane

- A. Helper T-cell
- B. Kiler T-cell
- C. Suppressor T cells
- D. B-cell

Answer: B



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45. Humoral immunity is due to

A. B-Lymphocytes

B. T-lymphocytes

C. L-Lymphocytes

D. P-Lymphocytes

Answer: A



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46. At which stage of HIV infection does one usually show symptoms of AIDS

A. Within 15 days of sexual contact with an infected person

B. When the infecting retrovirus enters host cells

C. When viral DNA is produced by reverse transcriptase

D. When HIV replicates rapidly in helper T-lymphocytes and damages large number of these

Answer: D



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47. Which one of the following pairs of disease can spread through blood transfusion

A. Cholera and hepatitis

B. Hepatitis and AIDS

C. Diabetes mellitus and malaria

D. Hay fever and AIDS

Answer: B



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48. Which of the glands is often referred in relation with AIDS

or

T-cells are lymphocytes which produced the cellular immunity, These are developed from

A. Thyroid

B. Thymus

C. Adrenal

D. Pancreas

Answer: B



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49. How does AIDS virus enter into man

- A. Through food
- B. Through kissing
- C. Through water
- D. Through blood

Answer: D



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50. Sensitivity to any allergen is related to

- A. Deviation from the process of immunity
- B. Age of the person
- C. Eating habit
- D. Rise in environmental temperature

Answer: A



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51. Passive immunity was discovered by

A. Robert Koch

B. L.Pasteur

C. Edward Jenner

D. Eemil Von Behring

Answer: D



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52. A certain patient is suspected to be suffering from Acquired Immuno Deficiency Syndrome. Which diagnostic technique will you recommend for its detection

A. ELISA

B. Australian antigen

C. HIV test

D. None of these

Answer: A



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53. The cell-mediated immunity inside the human body is carried out by

- A. Erythrocytes
- B. T-lymphocytes
- C. B-lymphocytes
- D. thrombocytes

Answer: B



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54. HIV causes reduction in

or

HIV virus affects..... In AIDS patient

A. T- helper cells only

B. All T-cells

C. B-cells only

D. Both B and T-cells

Answer: A



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55. A molecule that elicits an immune response is called

A. Antibody

B. Antigen

C. Mutagen

D. Carcinogen

Answer: B



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56. Vaccine are prepared from immune

A. Vitamins

B. Blood

C. Serum

D. Plasma

Answer: C



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57. AIDS can be transmitted by

A. Blood circulation

B. hand shake

C. Courtship

D. All of the above

Answer: C



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58. The antibodies are

A. Gamma-globulins

B. Albumins

C. Vitamins

D. Sugar

Answer: A



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59. The factor responsible for cirrhosis of liver is

A. Sugar

B. Vitamins

C. fats and oils

D. Alcoholism

Answer: D



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60. Full form of the AIDS is

- A. Anti immune definciency syndrome
- B. Auto immune deficiency syndrome
- C. Acquired immuno deficiency syndrome
- D. Acquired immune disease symptom

Answer: C



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61. The antibodies are

A. Lipids

B. Germs

C. Proteins

D. Carbohydrates

Answer: C



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62. The term 'active immunity' means

A. Resistance developed after disease

B. Resistance developed before disease

C. Resistance rate of heart beat

D. Increasing quantity of blood

Answer: A



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63. The immunoglobulin abundant in colostrum is

or

The yellowish fluid colostrum has abundant antibodies to protect the infant

A. Ig G

B. Ig M

C. Ig E

D. Ig A

Answer: D



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64. In the immune system, interferons are a part of

A. Macrophages

B. Cellular barriers

C. Physical barriers

D. Cytokine barriers

Answer: D



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65. Match the type of immunity listed in column I with the examples listed in column II. Choose the answer that gives the correct combination of alphabets of the two columns

Column I Types of immunity		Column II Example	
A.	Natural active	p.	Immunity developed by heredity
B.	Artificial passive	q.	From mother to foetus through placenta
C.	Artificial active	r.	Injection of antiserum to travellers
D.	Natural passive	s.	Fighting infections naturally
		t.	Induced by vaccination

A. $A \rightarrow s, B \rightarrow t, C \rightarrow q, D \rightarrow r$

B. $A \rightarrow t, B \rightarrow s, C \rightarrow r, D \rightarrow p$

C. $A \rightarrow p, B \rightarrow q, C \rightarrow r, D \rightarrow t$

D. $A \rightarrow s, B \rightarrow r, C \rightarrow t, D \rightarrow q$

Answer: D



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66. Consider the following four statements (i-iv) regarding kidney transplant and select the two correct ones out of these

(i) Even if a kidney transplant is proper the recipient may need to take immunosuppressants for a long time

(ii) The cell-mediated immune response is responsible for the graft rejection

(iii) The B-lymphocytes are responsible for rejection of the graft

(iv) The acceptance or rejection of a kidney transplant depends on specific interferons

The correct statements are

A. (A) and (B)

B. (B) and (C)

C. (C) and (D)

D. (A) and (D)

Answer: A



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67. Which of the following is an autoimmune disease

- A. Rheumatoid arthritis
- B. Grave's disease
- C. Hashimoto's disease
- D. All of the above

Answer: D



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68. Antibodies are of which class of proteins

- A. Structural
- B. Enzymatic
- C. Transport
- D. Immunoglobulin

Answer: D



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69. Which one of the following cannot be used for preparation of vaccination against plague ?

A. Formalin-inactivated suspensions of virulent bacteria

B. Avirulent live bacteria

C. Synthetic capsular polysaccharide material

D. Heat-killed suspensions of virulent bacteria

Answer: C



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70. Select the correct statement with respect to diseases and immunisation

A. Certain protozoans have been used to mass produce hepatitis B vaccine

B. Injection of snake antivenom against snake bite is an example of active immunisation

C. If due to some reason B and T lymphocytes are damaged, the body will not produce antibodies against a pathogen

D. Injection of dead/ inactivated pathogens causes passive immunity

Answer: C



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71. An immunoglobulin G molecule is composed of

A. Two identical heavy chains and two identical light chains

B. Two identical heavy chains and two different light chains and two different heavy chains and two different light chains

C. Two different heavy chains and two identical light chains chain

D. Two

Answer: A



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72. MALT constitutes about _____ percent of the lymphoid tissue in human body

A. 50 %

B. 20 %

C. 70 %

D. 10 %

Answer: A



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73. The organisms which cause diseases in plants and animals are called

A. Pathogens

B. Vectors

C. Insects

D. Worms

Answer: A



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74. When an apparently healthy person is diagnosed as unhealthy by a psychiatrist, the reason could be that

- A. The patient was not efficient at his work
- B. The patient was not economically prosperous
- C. The patient shows behavioural and social maladjustment
- D. He does not take interest in sports

Answer: C



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75. AIDS is caused by HIV. Among the following, which one is not a mode of transmission of HIV ?

- A. Transfusion of contaminated blood
- B. Sharing the infected needles
- C. shaking hands with infected persons
- D. Sexual contact with infected persons

Answer: C



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76. The substance produced by a cell in viral infection that can protect other cells from further infection is

A. Serotonin

B. Colostrums

C. Interferon

D. histamine

Answer: C



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77. Transplantation of tissues/organs to save certain patients often fails due to rejection of such tissues/organs by the patient. Which type of immune response is responsible for such rejections?

- A. Auto-immune response
- B. humoral immune response
- C. Physiological immune response
- D. Cell-mediated immune response

Answer: D



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78. Antivenom against snake poison contains

A. Antigens

B. Antigen-antibody complexes

C. Antibodies

D. Enzymes

Answer: C



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79. Which of the following is not a lymphoid tissue ?

A. spleen

B. Tonsils

C. Pancreas

D. Thymus

Answer: C



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80. Which of the following glands is large sized at birth but reduces in size with ageing ?

A. Pineal

B. Pituitary

C. Thymus

D. Thyroid

Answer: C



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81. Certain compounds are released by the WBC which raise the body temperature. These compounds are known as

A. Pyrogens

B. Histamines

C. Toxigens

D. Pathogens

Answer: A



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82. Hypochromic microcytic anaemia and leucopenia are caused by the deficiency of

Respectively

- A. Pyridoxine and riboflavin
- B. Pyridoxine and folacin
- C. Biotin and folacin
- D. Biotin and cyanocobalamin

Answer: B



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83. A person likely to develop tetanus is immunized by administering

or

When a quick immune response is required due to infection of a deadly microbes, the patient is injected with

- A. Dead germs
- B. Preformed antibodies
- C. Wide spectrum antibiotics
- D. weakened germs

Answer: B



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84. If you suspect major deficiency of antibodies in a person, to which of the following would you look for confirmatory evidence

A. Serum albumins

B. Serum globulins

C. Fibrinogen in the plasma

D. Haemocytes

Answer: B



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85. Active immunity is obtained by

A. Antibodies

B. Weakend germs infection

C. Natural resistance

D. None of these

Answer: B



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86. Each immunoglobulin has two heavy chains & two light chains, the antigen binding site is present in

A. Variable region of heavy chain

B. Variable region of both heavy and light chain

C. Variable region of light chain

D. Constant region of both light and heavy chain

Answer: B



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87. SCID is caused by defective gene coding for the enzyme called

A. Adenosine transaminase

B. Guanosine transaminase

C. Adenosine deaminase

D. Guamosine deaminase

Answer: C



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88. Which of the following vaccines are injected to babies at the age of $1\frac{1}{2}$, $2\frac{1}{2}$ and $3\frac{1}{2}$ months

A. DPT-Hip.B and Polio

B. Polio and BCG

C. BCG and DPT-Hib

D. BCG and Herpatitis B

Answer: A



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89. In which one of the following options the two examples are correctly matched with their particular type of immunity ?



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90. Match each disease with its correct type of

(A)	Tuberculosis	(I)	Harmless virus
(B)	Whooping cough	(II)	Inactivated toxin
(C)	Diphtheria	(III)	Killed bacteria
(D)	Polio	(IV)	Harmless bacteria

	(A)	(B)	(C)	(D)
(a)	(III)	(II)	(IV)	(I)
(b)	(IV)	(III)	(II)	(I)
(c)	(I)	(II)	(IV)	(III)
(d)	(II)	(I)	(III)	(IV)

vacinne



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91. AIDS related complex (ARC) is a disease which leads to fever, swollen lymph nodes, night sweats, loss in weight etc. represents

- A. Severe form of AIDS
- B. Initial form of AIDS
- C. No link with AIDS
- D. None of the above

Answer: B



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92. Which of the following disease is due to an allergic reaction

A. Goitre

B. Enteric fever

C. Skin cancer

D. Hay fever

Answer: D



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93. The protein $\alpha - 1$ antitrypsin is used to treat the disease

A. Cancer

B. Rheumatoid arthritis

C. Alzheimer's disease

D. Emphysema

Answer: D



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94. Severe Acute Respiratory Syndrome (SARS)

- A. Is caused by a variant of Pneumococcus
- B. Is caused by a variant of the common cold virus (corona virus)
- C. Is an acute form of asthma
- D. ADA deficiency disease in children

Answer: B



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95. Which immunoglobulin is the largest in size

A. IgA

B. IgD

C. IgE

D. IgM

Answer: D



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96. If interferon is being produced in the body of a sick person, the person is most likely to be suffering from

A. Typhoid

B. Malaria

C. Measles

D. Tetanus

Answer: C



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97. A person is injected with the globulin against hepatitis. This is

- A. Artificially acquired passive immunity
- B. Artificially acquired active immunity
- C. Naturally acquired active immunity
- D. Naturally acquired passive immunity

Answer: A



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98. How does vaccination work

A. The immune system produces antibodies
which stay in the blood

B. Memory lymphocytes are produced. They
remain in the body to fight off any
future infection with the live pathogen

C. The dead pathogen stays in the body
and constantly stimulates the immune
system

D. All of the above

Answer: B



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99. ELISA is used to detect viruses, where

- A. Alkaline phosphatase is the key reagent
- B. Catalase is the key reagent
- C. DNA-probes are required
- D. Southern blotting is done

Answer: A



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100. Allergy involves

or

The antibodies produced allergy are

A. IgE

B. IgG

C. IgA

D. IgM

Answer: A



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101. Which of the following is correct regarding AIDS causative agent HIV

A. HIV does not escape but attacks the acquired immune response

B. HIV is enveloped virus containing one molecule of reverse transcriptase

C. HIV is enveloped virus that contains two identical molecules of single-standerd

RNA and two molecules of reverse transcriptase

D. HIV is unenveloped retrovirus

Answer: A



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102. Assertion : Myaesthesia gravis is an autoimmune disease.

Reason : Immune system rejects the transplant muscles.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true but the reason is not a correct explanation of the assertion

C. If the assertion is true but the reason is false

D. If both the assertion and reason are false

Answer: C



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103. Assertion : SCID is a primary immunodeficiency.

Reason : It is a serious congenital immunodeficiency.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true
but the reason is not a correct
explanation of the assertion

C. If the assertion is true but the reason is
false

D. If both the assertion and reason are
false

Answer: B



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104. Assertion : STDs are also called silent diseases.

Reason : These remain asymptomatic during early stages.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true but the reason is not a correct explanation of the assertion

C. If the assertion is true but the reason is false

D. If both the assertion and reason are false

Answer: A



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105. Assertion : Genital herpes cannot be cured.

Reason : HIV has shorter incubation period than that of HBV.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true but the reason is not a correct explanation of the assertion

C. If the assertion is true but the reason is false

D. If both the assertion and reason are false

Answer: B



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106. Assertion : AIDS spreads more rapidly than the hepatitis.

Reason : HIV has shorter incubation period than that of HBV.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true but the reason is not a correct explanation of the assertion

C. If the assertion is true but the reason is false

D. If both the assertion and reason are false

Answer: D



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107. Assertion : Anti - AIDS vaccines are being developed in USA.

Reason : These vaccines may be used to control HIV infection in India.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true
but the reason is not a correct
explanation of the assertion

C. If the assertion is true but the reason is
false

D. If both the assertion and reason are
false

Answer: C



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108. Assertion : Chlamydia is most common bacterial sexually transmitted disease.

Reason It can be easily differentiated from gonococcal urethritis.

A. If both the assertion and the reason are true and the reason is a correct explanation of the assertion

B. If both the assertion and reason are true but the reason is not a correct

explanation of the assertion

C. If the assertion is true but the reason is

false

D. If both the assertion and reason are

false

Answer: C



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109. Allergens are

A. Infectious and increased secretion of IgE

B. Non-infectious and increased secretion
of IgE

C. Infectious and increased secretion of IgG

D. Non-infectious and increase secretion of
IgM

Answer: B



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110. The treatment of snake-bite by antivenine is an example of

- A. Artificially acquired active immunity
- B. Artificially acquired passive immunity
- C. Naturally acquired passive immunity
- D. Specific natural immunity

Answer: B



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111. column I lists the components of body defense and column II lists the corresponding descriptions. Match the two columns. Choose the correct option from those given

Column I		Column II	
A.	Active natural immunity	p.	Injection of gamma globulins
B.	First line of defense	q.	Complement proteins and interferons
C.	Passive natural immunity	r.	Direct contact with the pathogens that have entered inside
D.	Second line of defense	s.	Surface barriers
		t.	Antibodies transferred through the placenta

A. $A = s, B = r, C = t, D = q$

B. $A = r, B = s, C = q, D = t$

C. $A = r, B = s, C = t, D = q$

$$D. A = t, B = r, C = q, D = p$$

Answer: C



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112. Which of the following organs is not involved in the elicitation of immune response

A. Brain

B. Lymph nodes

C. Spleen

D. Thymus

Answer: A



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113. Passive immunity is defined as immunity

A. Inherited from the parents

B. Achieved through vaccination

C. Acquired through first exposure to the
disease

D. Achieved through the sera of other animals enriched in antibodies

Answer: D



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114. Inflammatory response in allergy is caused by the released of one of the following by mast cells

A. Histamines

B. Antibodies

C. Antigen

D. None of them

Answer: A



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115. Vaccination against small pox means the introduction into our body, of

A. Leucocytes obtained from animal

B. Antibodies produced in other animals

C. Antibodies

D. Actual weakened germs or attenuated
small pox virus

Answer: D



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116. Suspension of killed to attenuated
pathogenic micro-organisms on inoculation if

stimulate the formation of antibodies, it is known as

A. vaccine

B. Antibiotic

C. Sera

D. Antitoxins

Answer: A



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117. What is introduced in polio vaccination

A. Antibodies

B. Antigen

C. Antibiotics

D. Bacteriostatic agent

Answer: B



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118. An insect bite may result in inflammation of that spot. This is triggered by the alarm chemicals such as

A. Histamine and dopamine

B. Histamine and kinins

C. Interferons and opsonin

D. Interferons and histones

Answer: B



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119. This class of antibodies is made up of five immunoglobulin unit

A. IgG

B. IgM

C. IgA

D. IgD

Answer: B



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120. Antibodies resemble which of the following shape

A. X

B. Y

C. Z

D. O

Answer: B



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121. People, who are at the high risk of getting HIV infection

A. Individual who have multiple sexual partners

B. Drug addicts who take drugs intravenously

C. individuals who require repeated blood transfusions

D. All of the above

Answer: D



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122. Interferons are

A. Protein products of macrophages, which
destroy microbes

B. Protein secreted by Virus infected cells
which protect non infected cells from
further viral infection

C. Allergens

D. Antibody molecules

Answer: B



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