

NEET : CHAPTER WISE TEST-7

SUBJECT :- BIOLOGY

CLASS :- 12th

CHAPTER :- HUMAN HEALTH AND DISEASE

DATE.....

NAME.....

SECTION.....

(SECTION-A)

- A doctor identifies symptoms of nasal congestion, headache, sore throat, hoarseness, cough in a patient. According to his diagnosis, the patient is suffering with
(A) Adeno virus (B) Rhino virus
(C) Yersinia pestis (D) Plasmodium
- Which one of the following is a risk factor for smoking in adolescence?
(A) Higher socioeconomic status
(B) Participation in extracurricular activities, including sports
(C) Emotional closeness to parents
(D) Physical or sexual abuse
- Widal test is used for diagnosis of
(A) Malaria (C) Pneumonia
(B) Typhoid (D) Common cold
- Which of the following is/are incorrect w.r.t. typhoid?
(i) The pathogen enters the human body through contaminated food and water.
(ii) Sustained high fever, weakness, stomach pain, constipation, headache and loss of appetite are common symptoms
(iii) Widal test helps in diagnosis of this disease.
(iv) The disease is caused by Streptococcus pneumonia.
(v) Intestinal perforation and death can occur in severe cases.
(A) Only (i) (B) Only (iv)
(C) (ii) and (iii) (D) (ii) and (iv)
- The release of _____ in patients suffering with malaria causes high grade fever and chills.
(A) Sporozoite (B) Gametocyte
(C) Haemozoin (D) Haemoglobin
- Which of the following are correct statements?
(i) Ringworm infection is characterized by dry, scaly lesion on various parts of the body such as skin, nails and scalp.
(ii) Plasmodium initially infects RBCs and then infects liver cells.
(iii) Amoebiasis is caused by a protozoan pathogen called Amoeba proteus.
(iv) Wuchereria is an intestinal parasite causing internal bleeding, muscular pain, fever, anaemia and blockage of the intestinal passage.
(v) Ringworms are generally acquired from soil or by using towels, clothes or even the comb of infected individuals.
(A) (i) and (ii) (B) (ii) and (iv)
(C) (i) and (v) (D) (iv) and (v)
- When children play bare footed in pools of dirty water and flood water, they may suffer with diseases like
(A) Malaria, dengue fever and amoebiasis
(B) Serum hepatitis, diarrhoea and elephantiasis
(C) Guinea worm infection, leprosy, infective hepatitis
(D) Leptospirosis and bilharzia
- Chickenpox is caused by
(A) Varicella zoster (B) Variola virus
(C) Rhino virus (D) Arbovirus
- Find the true (T) and false (F) statements from the following:
(i) Deposition of uric acid in joints causes gout.
(ii) Asthma is caused due to destruction of alveolar walls in smokers.
(iii) Narrowing of the lumen of arteries due to deposition of cholesterol, fibres, fats and calcium causes arteriosclerosis.
(iv) Creutzfeldt Jakob disease is an example of Prions disease.
(i) (ii) (iii) (iv)
(A) T T T F
(B) T F F T
(C) F T F T
(D) T F T F
- Fish like feed on mosquito larvae and are used for biological control of malaria.
(A) Salmon (B) Hilsa
(C) Gambusia (D) Trygon
- Which of the following is called 'Grand old man of intestine'?
(A) Giardia
(B) Leishmania donovani
(C) Trichomonas
(D) Mycobacterium
- The infective stage of Entamoeba histolytica is.
(A) Magna
(B) Minuta
(C) Binucleate cyst
(D) Tetranucleate cyst

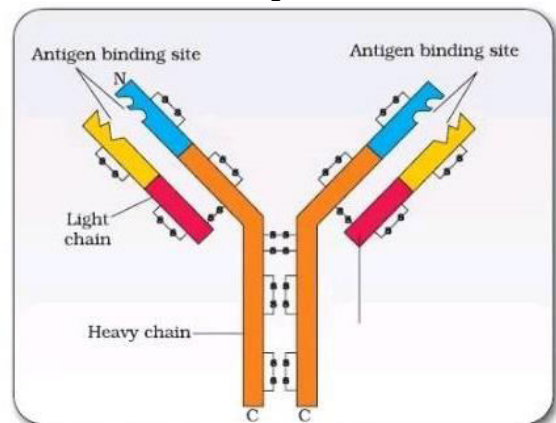
13. Read the following statements describing the life cycle of Plasmodium. Which of the following is correct?
 (A) Fertilization and development take place in liver of humans.
 (B) Female mosquito takes up sporozoites with blood meal.
 (C) The gametocytes develop in intestine of humans.
 (D) The parasite reproduces asexually in RBCs and causes haemolysis and fever.
14. Mark the incorrect set w.r.t. communicable diseases:
 (A) Mumps, Rubella
 (B) AIDS, Chicken Pox
 (C) Leprosy, Typhoid
 (D) Haemophilia, Asthma
15. What is the primary treatment method for dengue fever?
 (A) Antibiotics
 (B) Antiviral medications
 (C) Supportive care to manage symptoms
 (D) Surgery
16. Which of the following human parasites require mosquito to complete their life cycle?
 (A) Ascaris lumbricoides and Enterobius vermicularis
 (B) Wuchereria bancrofti and Plasmodium ovale
 (C) Leishmani donovani and Plasmodium vivax
 (D) Wuchereria bancrofti and Salmonella typhi
17. Common cold is not cured by antibiotics because it is
 (A) Caused by protozoan
 (B) Caused by virus
 (C) Caused by Gram +ve bacterium
 (D) Caused by Gram -ve bacterium
18. Which of the following is a set of protozoan disease?
 (A) Typhoid, cholera, influenza
 (B) Pneumonia, diphtheria, kala azar
 (C) Sleeping sickness, oriental sore, malaria
 (D) Toxoplasmosis, amoebiasis, mumps
19. Which of the following is the primary vector responsible for transmitting Dengue fever?
 (A) Aedes aegypti mosquito
 (B) Anopheles mosquito
 (C) Culex mosquito
 (D) Ixodes tick
20. Read the following statements and choose the correct option:
 Statement I: During vaccination, killed or attenuated antigen is introduced to stimulate cell-mediated and antibody-mediated immune responses, leading to the production of memory cells.
 Statements II: Vaccination is an example of artificial acquired active immunity.
 (A) Both statements are correct
 (B) Both statements are incorrect
 (C) Only statements I is correct
 (D) Only statements II is correct
21. Which one of the following antidepressants is most likely to increase the odds of quitting smoking?
 (A) Venlafaxine
 (B) Nortriptyline
 (C) Moclobemide
 (D) Fluoxetine
22. Virus-infected cells secrete proteins called protect non-infected cells from further viral infection. which
 (A) Antitoxins
 (B) Interferons
 (C) Tumor necrosis factor
 (D) Pyrogen
23. The T-lymphocytes acquire antigen-specific receptors in
 (A) Tonsils (B) Lymph nodes
 (C) Thymus (D) Spleen
24. Which of the following best describes Dengue Shock Syndrome?
 (A) Altered consciousness, seizures and pulmonary edema and respiratory distress
 (B) Enlargement of the spleen and enlargement of the liver (hepatomegaly)
 (C) Inflammation of the brain leading to encephalitis
 (D) Severe plasma leakage with dangerously low blood pressure

25. Mark the correct match w.r.t. vaccine and corresponding disease:
 (A) Salk vaccine Injectable polio vaccine
 (B) MMR vaccine Measles, Meningitis, Rabies
 (C) DPT vaccine-Diphtheria, Pneumonia, Typhoid
 (D) BCG vaccine-Oral polio vaccine
26. Complete the following analogy:
 Widal test: Typhoid :: Mantoux test: _____
 Choose the correct option:
 (A) Dengue fever (B) Tuberculosis
 (C) Diphtheria (D) Tetanus
27. Chikungunya is spread by
 (A) Culex mosquito
 (B) Anopheles mosquito
 (C) Common Fly
 (D) Aedes albopictus mosquito
28. Who among the following is considered "Father of passive immunization"?
 (A) Louis Pasteur
 (B) Von Behring
 (C) Edward Jenner
 (D) Alexander Flemings
29. Maximum antigen-binding sites are found on
 (A) IgA (B) IgM
 (C) IgE (D) IgD
30. The secondary immune response is due to
 (A) Physical barrier
 (B) Memory
 (C) Diversity
 (D) Ability to distinguish self from non-self antigens.
31. Which of the following is correct w.r.t. the most abundant antibodies in serum?
 (A) They are present in colostrum.
 (B) They are involved in allergic reaction.
 (C) They are the smallest antibodies.
 (D) They are the first antibodies to be formed during primary immune response.
32. Which of the following agents are produced in the body by use of vaccines?
 (A) Antibodies (B) Memory B-cells
 (C) Memory T-cells (D) All of these
33. Which of the following is a mismatch?
 (A) IgE-Antibody responsible for asthma and hay fever
 (B) IgD Predominant antibody on gastrointestinal and respiratory surface
 (C) IgM-First antibody synthesized by neonate
 (D) IgG-Most abundant antibody in serum

34. Natural killer cells (NK-cells) kill cell virus infected cells and tumor cells by all of the following methods, except
 (A) Bursting the target cell
 (B) Perforating the membrane of target cell
 (C) Creating pores in the infected cells
 (D) Killing the microbes inside infected cells
35. DPT vaccine protects against
 (A) Diphtheria, Pertussis and Typhoid
 (B) Diphtheria, Pertussis and Tetanus
 (C) Dengue fever, Pneumonia and Tetanus
 (D) Diphtheria, Pneumonia and Typhoid

(SECTION-B)

36. Which of the following is correct w.r.t. the difference between B-cells and cytotoxic T-cells?
 (A) T-cells provide active immunity, while B-cells provide passive immunity.
 (B) B-cells secrete antibodies against pathogens, while T-cells kill host cells infected with pathogens like viruses.
 (C) B-cells provide cell-mediated immunity, while T-cells provide humoral immunity.
 (D) B-cells engulf pathogens, while T-cells secrete antibodies against them.
37. Haptens
 (A) Are incomplete antigens that are capable of eliciting an immune response
 (B) Are immunogenic only when bound with a carrier molecule like protein
 (C) Is essentially an incomplete antigen
 (D) More than one option is correct
38. Which of the following statements is false for the structure given below?



- (A) These are secreted by T-cells.
 (B) They have four peptide chains.
 (C) They are represented by H₂L₂.
 (D) These are found in blood, so the response is termed as humoral immune response.

39. _____ is a very effective painkiller and sedative and is very useful in patients who have undergone surgery.
 (A) Amphetamine
 (B) Morphine
 (C) Cocaine
 (D) Benzodiazepines
40. Which of the following non-ionizing radiations cause DNA damage leading to neoplastic transformation?
 (A) X-rays (B) Gamma rays
 (C) Alpha rays (D) UV rays
41. Which of the following cells are called HIV factory?
 (A) Neutrophils (B) Macrophages
 (C) Basophils (D) T-lymphocytes
42. Which of the following technique uses non-ionizing radiation of strong magnetic fields?
 (A) CT scan
 (B) MRI
 (C) Biopsy
 (D) Ultrasonography
43. Which of the following individuals are at high risk of getting infected with HIV?
 (A) Intravenous drug abusers.
 (B) Patients with hemolytic anaemia like thalassemia.
 (C) People with multiple sexual partners.
 (D) All of these.
44. Which of the following drugs are obtained from the same source?
 (A) Morphine and Charas
 (B) Charas and Marijuana
 (C) Charas and Cocaine
 (D) Morphine and Marijuana
45. Smoking is harmful because it produces polycyclic aromatic hydrocarbons, which cause
 (A) Increase in blood pressure
 (B) Reduction in oxygen transport
 (C) Retardation of foetal growth
 (D) Cancer
46. Cancer cells are more easily damaged by radiation than normal cells because they are
 (A) Non-dividing
 (B) Different in structure
 (C) Undergoing rapid division
 (D) Mutated
47. Cancer of haematopoietic origin are called
 (A) Carcinoma
 (B) Lymphoma
 (C) Leukemia
 (D) Both (B) and (C)
48. Bhang, charas, ganja, hashish and marijuana are drugs obtained from
 (A) Poppy plant
 (B) Hemp plant
 (C) Datura
 (D) Ergot fungus
49. Chikungunya virus infection has been spreading throughout America in recent years, the virus is transmitted to humans via mosquito bites.
 Which of the following is a common symptom of this infection?
 (A) Joint pain, Muscle aches and rash
 (B) Fever with severe diarrhea and vomiting
 (C) Yellowing of the skin
 (D) Bleeding from the nose
50. Computed tomography (CT) uses
 (A) X-rays to generate a three-dimensional image of the internals of an object.
 (B) Gamma rays to generate a three-dimensional image of an object.
 (C) UV rays to view internal organs.
 (D) Strong magnetic fields to detect changes in the living tissue.