



BIOLOGY

BOOKS - BETTER CHOICE PUBLICATION

HUMAN HEALTH AND DISEASE

Very Short Answer Question

1. Expand MALT and AIDS.



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2. Expand: GALT and CMI.



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3. What are allergens?



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4. What is active immunity?



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5. What are hybridomas?



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6. What are vaccines ?



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7. Expand: BALT and HIV.



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8. What are pathogens?



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9. Name two allergic disorders.



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10. Give full form of HIV and SCID.



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11. Define antibiotics.



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12. Why is AIDS called secondary immune deficiency ?



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13. What are RNA vaccines ?



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14. Why are antigens called antibody-generating chemicals ?



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15. Give full name of ELISA.



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16. Name the causal organism of Filariasis.



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17. The primary lymphoid organ is



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18. Name the disease associated with accumulation of nitrates in human body.



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19. Name the causative agent of typhoid.



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20. Name the disease caused due to consumption of mercury contaminated fishes in Japan.



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21. Name the pathogen of Ascariasis



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22. Name the disease caused due to excessive use of fluoride toothpaste.



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23. Name the most infectious human common ailment and write its causative agent.



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24. What are lysozymes?



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25. Define adolescence.



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26. What are antigenic determinants or epitopes?



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27. Name the pathogen and vector of chikungunya.



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28. Name the pathogens of smallpox and chickenpox.



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29. What is the significance of rise in body temperature of a patient?



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30. Name the vaccines which are composed of live micro-organisms.



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Short Answer Type Questions

1. Explain why does a cut in the skin become red and swollen?



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2. Give full form of 'ELISA'. Name two diseases for the detection of which 'ELISA' is used.



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3. List at least five symptoms of metal illness.





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4. Differentiate infection and infestation .



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5. Differentiate between Benign tumour and Malignant tumour.



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6. Why is using tobacco in any form injurious to the health? Explain.



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7. What are the various routes by which transmission of human immuno-deficiency virus takes place?



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8. Differentiate between congenital and acquired diseases.



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9. Differentiate communicable and non-communicable diseases.



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10. Differentiate between B-cells and T-cells.



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11. Explain the differences between active and passive immunization.



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12. What are sedatives and tranquillisers '?
Give two examples.



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13. What are opiates? Give two examples.



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14. What are stimulants? Give two examples.



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15. Name three bacterial diseases and mention their causative agents.



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16. What are hallucinogens ? Name two hallucinogens. Write their sources.



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17. What bad effects had tobacco on respiratory system?



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18. How do humoral and cellmediated immune system differ from each other ?



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19. Expand GALT and HIV.



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20. Expand MALT and NACO.



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21. Which body organ acts as a blood bank and why ?



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22. Expand BALT and CMIS.



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23. Name the pathogen of ringworm. List the symptoms of this disease.



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24. Write differences between antibodies and interferons



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25. Name the pathogen of Malaria. List the symptoms of this disease.



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26. What are Interferons ? How these inhibit the multiplication of viruses? Name two diseases controlled by interferons.



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27. Write various danger signals of Cancer.



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28. Define cancer. Describe three types of cancer. Which are four danger signals of cancer ?



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29. Write the harmful effects of ozone depletion.



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30. What precautions would you observe while using Antibiotics? .



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31. Alcohol is not stimulant. Justify the statement.



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32. Differentiate between Innate and Acquired Immunity and give examples of each.



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33. Write difference between Active and Passive immunity.



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34. What are opiate derivatives ? List two opiate derivatives and their sources.



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35. What do you mean by direct transmission of diseases ? List four ways by which direct transmission of diseases takes place.



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36. What are hallucinogens ? Name two hallucinogens. Write their sources.



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37. What is disease agent ? List any four types of disease agent.



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38. What are stimulants ? List any two stimulants and their source.



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39. What do you mean by direct transmission of diseases ? List four ways by which direct transmission of diseases takes place.



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40. Name three viral diseases and their causative agents,



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41. Name the toxic substance present in tobacco smoke. Discuss its ill effects on our body.



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42. Name three fungal diseases and their causative agents.



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43. What is alcoholism ? Explain ill-effects of alcohol on different parts of body.



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44. Name three bacterial diseases and mention their causative agents.



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45. Can a drug addict be made to lead a normal life? Suggest three measures for it.



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46. Discuss any three measures for prevention of water borne diseases.



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47. Name two allergic disorders.



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48. Name the causal agent of disease Amoebiasis. Write its symptoms and prophylaxis.



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49. Name the causal agent of "Pneumonia". Write its symptoms and prophylaxis.



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50. Name the primary and secondary lymphoid organs.



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51. Name the causal agent of disease 'Ringworm' write its symptoms and prophylaxis.



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52. Differentiate between congenital and acquired diseases.



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53. Discuss symptoms and mode of transmissions of AIDS.



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54. What are antibiotics? List the properties of antibiotics to be used as medicine.



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55. Describe in brief harmful effects caused by drug addiction.



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56. Enlist the various harmful effects which alcohol/drug abuse may have on adolescents.



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57. Give any two harmful effects of LSD (lysergic acid diethylamide).



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58. Name the causal agent of disease 'Ringworm' write its symptoms and prophylaxis.



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59. Write any three preventive measures to be taken against drug abuse in adolescents.



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60. Name the causal agent of disease 'Filariasis' write its symptoms and prophylaxis.



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61. Explain what is meant by metastasis.



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62. Explain briefly any three methods used to diagnose cancer.



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63. Give full name of human disease and its pathogen in which body loses its general immunity towards infection. How is this disease transmitted.





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64. List the factors which motivate the youngsters to take alcohol or drugs. How this can be avoided.



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65. List some important measures for preventing animal diseases.



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Short Answer Type Questions Most Expected Questions

1. Write a note on MALT.



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2. What are Amphetamines?



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3. Explain the property that prevents normal cells from becoming cancerous?



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4. All normal cells have inherent characteristic of becoming cancerous. Explain.



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5. How does spleen act as a lymphoid organ?

Explain.



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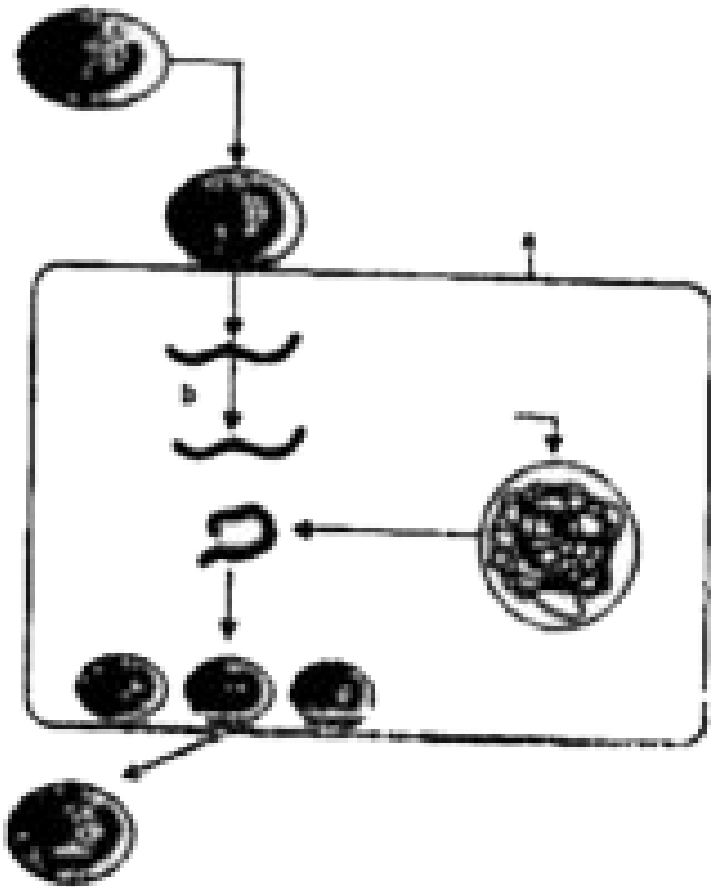
6. List the specific symptoms of pneumonia.

Name the causative organism.



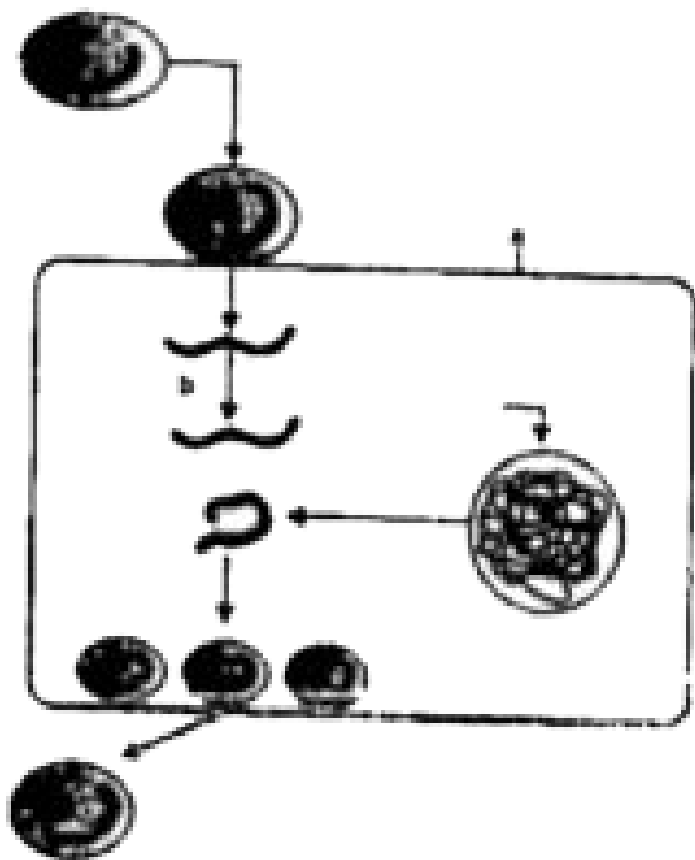
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7. What does the diagrammatic sketch depict?



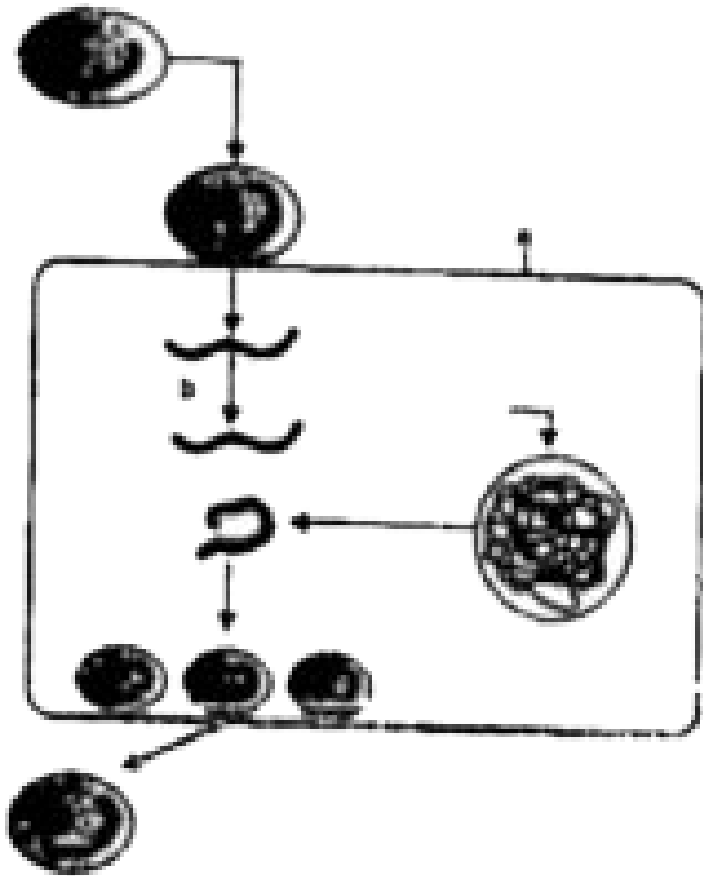
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8. Identify 'a' and 'b'.



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9. Name the widely used diagnostic test when a person gets this disease.



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10. Name the cells that act as HIV factory in humans when infected with HIV. Explain the events that occur in infected cell.



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Short Answer Type Questions Most Expected Questions

1. Draw a well-labelled diagram of an antibody molecule.



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2. Name the lymphoid organ in humans where all the blood cells are produced.



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3. Where do the lymphocytes produced by the lymphoid organ mentioned above migrate and how do they affect immunity?



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4. Name the respective forms in which the malarial parasite gain entry into Human body.



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5. Name the respective forms in which the malarial parasite gain entry into Body of female Anopheles.



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6. Name the hosts where the sexual and the asexual reproduction of malarial parasite occur respectively.



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7. Name the toxin responsible for the appearance of symptoms of malaria in humans. Why do these symptoms occur periodically?



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8. Explain treatment of cancer.



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9. Name and explain the two types of immune responses in humans.



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Long Answer Type Questions

1. Discuss the effects of alcohol on the body.



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2. Describe the effects of tobacco smoking on the body.



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3. What is an immune system? Write all you know about cell mediated immune system.



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4. What is drug dependence? Explain the stages which lead to drug dependence and also explain the warning signs of drug dependence.



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5. Why is it unusual to get the same infectious disease more than once?



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6. Differentiate between B-cells and T-cells.



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7. What is Autoimmunity? Why does body reject a transplanted organ?



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8. Briefly explain the ill effects of alcohol on liver.



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9. What are Carcinogens? Explain three main types of Cancer along with main danger signals of Cancer.



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10. Who is to be called as Adolescent ? Why do adolescents use drugs?



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11. What are Immunodeficiency diseases ? Describe any one such disease given causing factors, symptoms and preventive measures.



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12. Briefly explain the various types of disorders arising from improper function of the immune system.



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13. Explain in detail the risks of indiscriminate use of Drugs and Antibiotics.



View Text Solution

14. Write short note on the following-

Vaccine.



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15. Write short note on the following-

Organ transplants.



Watch Video Solution

16. Briefly state the five common problems of adolescence.



Watch Video Solution

17. Write short note on Vaccination.



Watch Video Solution

18. What is active immunity?



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19. Discuss major types of Psychotropic drugs, their examples and effects on Human body.



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20. Briefly explain the Organ-transplantation and approaches used to prevent graft rejection.



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21. What is the principle of 'ELISA Test'?



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22. Explain the role of innate immunity in protection from infectious diseases.



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23. Explain the phenomenon of adaptive immunity with special reference to its

properties, activation, clonal selection and its role in vaccination.



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24. What is immune system? What are its two main kinds ? What is the role of B-cells and T-cells in body's defensive system?



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25. What is immune system? What are its two main kinds? What is the role of B-cells and T-cells in body's defensive system?



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26. Write four differences between benign and malignant tumour.



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27. Explain at least three causes of Cancer in detail.



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28. Name the causative agent of AIDS. How is the disease transmitted? Give various symptoms of the disease.



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29. What is Cancer? Describe various types of cancer. Explain various methods for treatment of cancer.



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30. Why drinking and driving cannot go together? Give four reasons.



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31. What is Drug addiction? How drug addiction starts? Write six factors.



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32. How Drug Addiction Begins?



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33. Name the carcinogenic agent present in tobacco. Describe the health hazards of

tobacco smoking.



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34. Write causative organism, mode of infections, symptoms and preventive measures of the disease Typhoid.



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Long Answer Type Questions Most Expected Questions

1. Write the causative organism, mode of infection, symptoms and preventive measures of the disease pertussis.



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2. If a patient is advised Anti Retroviral Therapy, which infection is he suffering from? Name the causative organism.



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3. Name the type of human cell HIV attacks on its entry into the body. Explain the events that occur in the cell which further lead to cause immunodeficiency syndrome.



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4. Give the pathogen, mode of transmission, symptoms and prevention of disease common cold.



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5. Explain the property that prevents normal cells from becoming cancerous?



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6. All normal cells have inherent characteristic of becoming cancerous. Explain.



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7. What is cancer? How is a cancer cell different from normal cell ? How do normal cells attain cancerous nature?



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8. Draw a labelled diagram of life cycle of Plasmodium.



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9. Describe the asexual and sexual phases of life cycle of Plasmodium that causes malaria in humans.



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10. How do cellular barriers and cytokine barriers provide innate immunity in humans?



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11. Define interferons. How do interferons combat infections? Name any two diseases controlled by them.



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12. Differentiate between Opioids, Cannabinoid and Coca Alkaloids.



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