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CBSE Class12 Biology
Chapter 8 Unsolved Important Questions
Human Health and Disease

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CBSE Class 12 Biology

Human Health and Disease

Section 'A'

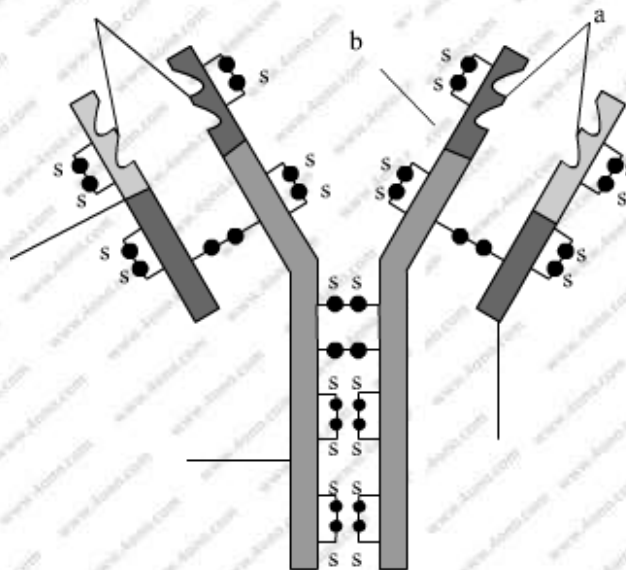
- Q. 1. Mention the role of cyanobacteria as a bio fertilizer?**
- Q. 2. State two different roles of spleen in the human body.**
- Q. 3. Why sharing of injection needles between two individuals is not Recommended?**
- Q. 4. Indiscriminate diagnostic practices using X-rays etc., should be avoided Give One reason.**
- Q.5. Name any two types of cells which act as 'Cellular barriers, to provide Innate Immunity in humans.**
- Q. 6. When does a human body elicit an anamnestic response?**
- Q.7. Normally one embryo develops in one seed but when an orange seed is squeezed many embryos of different shapes and sizes are seen. Mention how it has happened.**
- Q. 8. Why sharing of injection needles between two individuals is not recommended?**
- Q. 9. How does smoking tobacco in human lead to oxygen deficiency in their Body?**
- Q.10. What is it that prevents a child to suffer from a disease he/she is vaccinated. Against. Give one reason.**
- Q.11. Suggest a method to ensure an anamnestic response in humans.**
- Q.12. Why is bagging of the emasculated flowers essential during hybridization experiments?**

- Q. 13. What role of macrophages play in providing immunity to humans?
- Q. 14. How do neutrophils act as a cellular barrier to pathogens in humans?
- Q. 15. Name the type of cells the AIDS virus enters into after getting in the human Body.
- Q.16. A boy of ten year had chicken 'pox. He is not expected to have the same disease for the rest of his life. Mention how it is possible.

Section 'B'

- Q. 17. Name an opioid drug and its source plant. How does the drug affect the human body?
- Q. 18. (a) It is generally observed that the children who had suffered from chicken-pox in their childhood may not contract the same disease in their adulthood. Explain giving reasons the basis of such an immunity in an individual. Name this kind of immunity.
- (b) What are interferons? Mention their role.
- Q. 19. Define the term, health, mention any two ways of maintaining it.
- Q.20. Why does a doctor administer tetanus antitoxin and not a tetanus vaccine to a child injured in a roadside accident with a bleeding wound. Explain.
- Q.21. Community service department of your school plans a visit to a slum area Near the school with an objective to educate the slum dwellers with respect to health and hygiene.
- (a) Why is there a need to organize such visit?
- (b) Write steps you will highlight, as a member of this department in your interaction with them to enable them to lead a healthy life.

Q.22.



- (i) What does the above diagram illustrate?
- (ii) Name the parts labelled 'a' and 'b'.
- (iii) Name the types of cells that produce this molecule.

Q. 23. Name the bacterium that causes typhoid. Mention two diagnostic symptoms. How is this disease transmitted to others?

Q.24. A heavily bleeding and bruised road accident victim was brought to a nursing Home. The doctor immediately gave him an injection to protect him against a deadly disease.

- (a) Write what the doctor injected into the patient's body.
- (b) How do you think this injection would protect the patient against the disease?
- (c) Name the disease against which this injection was given and the kind of Immunity it provides.

Q.25. Write the events that take place when a vaccine for any disease is introduced Into the human body.

Q.26. Mention one application for each of the following:

- (a) Passive immunization
- (b) Antihistamine
- (c) Colostrum
- (d) Cytokinin-barrier

Q. 27. Why do sports persons often fall a victim to cocaine addiction?

Q. 28. A student on a school trip started sneezing and wheezing soon after reaching The hill station for no explained reasons. But, on return to the plains, the symptoms disappeared. What is such a response called? How does the body produce it?

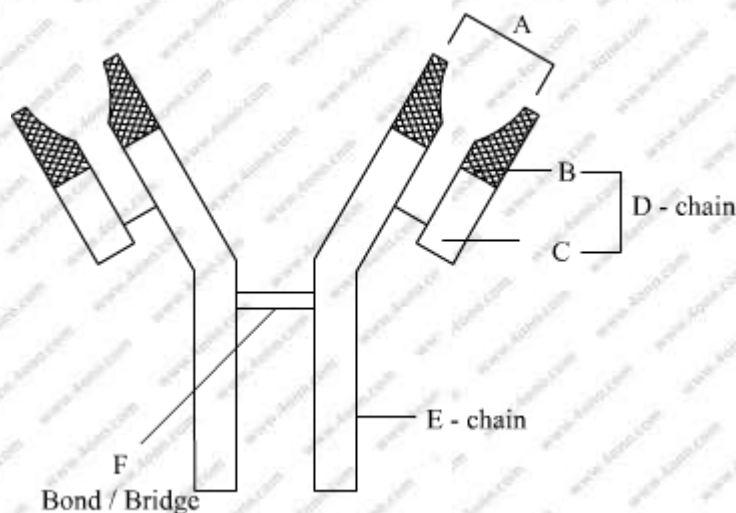
Q. 29. Differentiate between benign and malignant tumours.

Q. 30. (a) Name the Protozoan parasite that causes amoebic dysentery in humans.
(b) Mention two diagnostic symptoms of, the disease.
(c) How is this disease transmitted to others?

Q. 31. Name the plant source of the drug popularly called “smack”, how does it affect the body of the abuser?

Q. 32. (a) Highlight the role of thymus as a lymphoid organ.
(b) Name the cells that are released from the above-mentioned gland. Mention How they help in immunity.

Q. 33. Identify A, D, E and F in the diagram of an antibody molecule given below:



Q. 34. Name the two types of immune systems in a human body. Why are cell mediated and humoral immunities so called?

Q.35. Write the scientific names of the causal organisms of elephantiasis and ringworm in humans. Mention the body parts affected by them.

Q. 36. Name the host and the site where the following occur in the life 'cycle of a malarial parasite:

(a) Formation of gametocytes.

(b) Fusion of gametocytes.

Q. 37. Why do sports persons often fall a victim to cocaine addiction?

Q.38. Explain metastasis. Why is it fatal?

Q.39. List the specific symptoms of typhoid. Name its causative agent.

Q. 40. Why is using tobacco in any form injurious to the health explain

Q.41. (a) Name the lymphoid organ in humans where all the blood cells are produced.

(b) Where do the lymphocytes produced by the Pymphoid organ mentioned above migrate and how do they affect immunity?

Q. 42. (a) Highlight the role of thymus as a lymphoid organ.

(b) Name the cells that are released from the above-mentioned gland. Mention how they help in immunity.

Section 'C'

Q.43. Trace the life-cycle of malarial parasite in the human body when bitten by an infected female Anopheles.

Q. 44. (i) Write the scientific names of the two species of filarial worms causing filariasis.

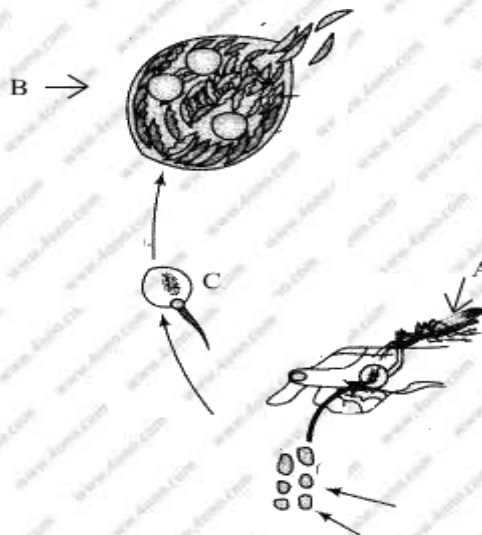
(ii) How do they affect the body of infected person(s)?

(iii) How does the disease spread?

- Q.45.** (a) Name the infective stage of Plasmodium Which Anopheles mosquito takes in along with the blood meal from an infected human.
- (b) Why does the infection cause fever in humans?
- (c) Give a flow chart of the part of the life-cycle of this parasite passed in the insect.

Q.46. Study a part of the life cycle of malarial parasite given below. Answer the questions that follows:

- (a) Mention the roles of 'A' in the life cycle of the malarial parasite.
- (b) Name the event 'C' and the organ where this event occurs.
- (c) Identify the organ 'B' and name the cells being released from it



Q.47. Community service department of your school plans a visit to a slum area Near the school with an objective to educate the slum dwellers with respect to health and hygiene.

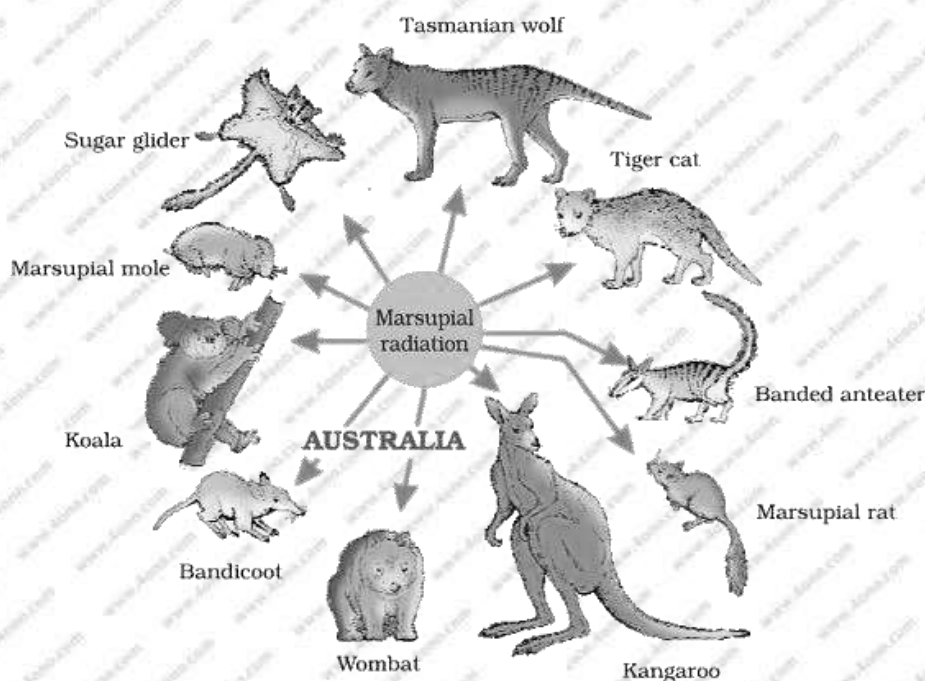
- (a) Why is there a need to organise such visit?
- (b) Write steps you will highlight, as a member of this department in your interaction with them to enable them to lead a healthy life.

Section 'D'

Q. 48. Prior to a sports event blood and urine samples of sportspersons are Collected for drug tests.

- Why is there a need to conduct such tests?
- Name the drugs the authorities usually look for
- Write the generic names of two plants from which these drugs are obtained.

Q.49. A team of students are preparing to participate in the inter school sports meet. During a practice session you find some vials with labels of certain cannabionoids.



- Will you report to the authorities? Why?
- Name a plant from which such chemicals are obtained.
- Write the effect of these chemicals on human today.

Q.50. 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 immuno deficiency syndrome.

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