

Topic: Human Health and Disease

1. Common diseases in human

2. Immunity

3. AIDS

4. Cancer

5. Drugs and alcohol abuse

The Patient of this Disease exhibits symptoms like sustained high fever, weakness,, stomach pain, constipation , head ache and loss of appetite

- (a) Typhoid (salmonella typhus)**
- (b) Pneumonia (streptococcus, hoemophyllus,)**
- (c) Malaria(P falciparum ,)**
- (d) Amoebic dysentery**

The Patient suffering from Malaria fever will have chill and high fever recurring once in every 3-4 days this is due to

(a) Rupture of hepatocytes in liver

(b) Entry of sporozoites into liver

(c) Release of haemozoin by breakdown of RBCs

(d) Destruction of RBC and liver cells

Statement A: *Entamoeba histolytica* is a parasite in the large intestine of human.

Statement B: *It is a digenic parasite having two hosts, namely human and house flies.*

(a) Both statements A and B are correct

(b) Statement A is correct and B is wrong.

(c) Both statements A and B are incorrect

(d) Statement B is correct and A is wrong.

04. *The term ringworms refers to*

a. common infectious fungal disease

b. Nematodes

c. Annelidan worms

d. diseases caused by nematodes

**(Epidermophyton, (Trichophyton,
microsporum)**

05. *Anamnestic response of the body to pathogen is always highly intensified. The possible reason could be*

(a) memory of the first encounter of pathogen

(b) ability to distinguish self from non-self

(c) strong physical and physiological barriers

(d) well developed innate behaviour

07. *The body immunity associated with graft rejection is*

a. Humoral immunity

b. Inflammatory response

c. Cellular barriers such as phagocytes

d. Cell mediated immunity

08. Assertion (A): *Feeding the yellowish fluid colostrum, secreted by mother during initial lactation period provide protection.*

Reason (B): Colostrum is rich in Ig-G.

(a) Both Assertion and Reason are true and Reason is correct explanation of Assertion.

(b) Both Assertion and Reason are true and Reason is not the correct explanation of Assertion.

(c) Assertion is true and Reason is false.

(d) Both Assertion and Reason are false.

09. *The cells associated with allergy are*

- (a) Polymorpho-nuclear Leucocytes (PMNL)**
- (b) Natural Killer Cells**
- (c) Macrophages and Monocytes**
- (d) Mast cells**

10. Resistance built up via vaccination is called

a. naturally acquired active immunity

b. artificially acquired active immunity

c. naturally acquired passive immunity

d. artificially acquired passive immunity

Assertion: A person, who has received a cut and is bleeding, needs to be given anti-tetanus treatment.

Reason: Anti-tetanus injection provides immunity by inducing antibodies production for tetanus.

(a) Both Assertion and Reason are true and Reason is correct explanation of Assertion.

b) Both Assertion and Reason are true and Reason is not the correct explanation of Assertion •

(c) Assertion is true and Reason is false.

(d) Both Assertion and Reason are false.

12. *At which stage of HIV infection does one usually shows symptoms of AIDS?*

- (a) When viral DNA is produced by reverse transcriptase**
- (b) When HIV replicates rapidly in Helper T-lymphocytes and kills them.**
- (c) Within 15 days of sexual contact with an infected person**
- (d) When infecting retrovirus enters host cells**

13. *Primary lymphoid organs are*

(a) Lymphoid structures formed directly over the lymph vessels

(b) Structures formed in the foetus

(c) Structures where lymphocytes mature/undergo preprocessing

(d) Structure where antibodies are produced

Spread of cancer from the primary organ to secondary organ through blood is called

- (a) Metamerism**
- (b) Metastasis**
- (c) Contact inhibition**
- (d) Metagenesis**

The narcotic drugs like Charas, Hashish, marijuana and Ganja are extracted from

(a) Hemp plant – *Cannabis sativa*

(b) Poppy seeds - *Papavar somnifera*

(c) Coca plant – *Erythroxyton coca*

(d) Ergot – *Claviceps purpurea*

Indicate which of the following statements on Nicotine is not true

(a) a carcinogen which causes lung cancer

(b) a habit forming drug with mild stimulatory effect

(c) highly toxic alkaloid which causes constriction of blood vessels and hypertension

(d) one of the harmful substance found in tobacco smoke

17. Which statement about thymus gland is false?

- (a) It is quite large at the time of birth and reduces to small size by the time puberty is attained.**
- (b) Provides micro-environment for the development and maturation of T and B lymphocytes.**
- (c) It is a lobed organ located near the heart and beneath the breast bone.**
- (d) It is a primary lymphoid organ.**

18. Statement A: *AIDS is a lethal disease and has no cure.*

Statement B: *AIDS patients have to be kept in isolation from the family and society as a preventive measure.*

(a) Both statements A and statement B are correct

(b) Both statements A and statement B are false

(c) Statement A is correct and statement B is false

(d) Statement A is false and statement B is correct

19. *r*-inteferons are used in cancer patients

(a) for the detection of certain cancers.

(b) to suppress the expression of cellular oncogenes

(c) to identify malignant tumours from benign tumours.

(d) to activate immune system that helps in destroying tumours.

20. *Formation of new tissue by cancer cells is called*

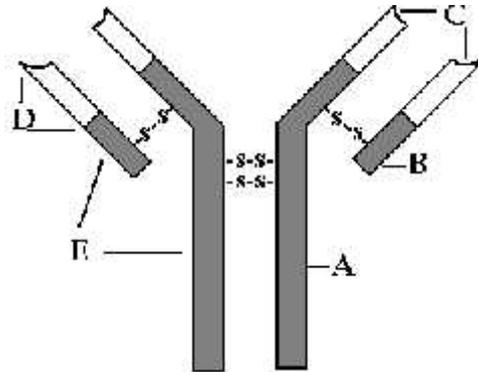
(a) Anaplasia

(b) Neoplasia

(c) Sarcoma

(d) Aneuploidy

06. In the diagram of antibody molecule given



below, different parts have been indicated by alphabets. Choose the answer in which these alphabets have been correctly matched with the parts, which they indicate.

- (a) A- variable region, B – constant region, C – antigen binding site, D- light chain, E –heavy chain
- (b) A- heavy chain, B – light chain, C – antigen binding site, D- constant region, E – variable region
- (c) A- heavy chain, B – light chain, C – variable region, D- antigen binding site, E –constant region

(d) A- heavy chain, B – light chain, C – antigen binding site, D- variable region, E – constant region