

# **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***

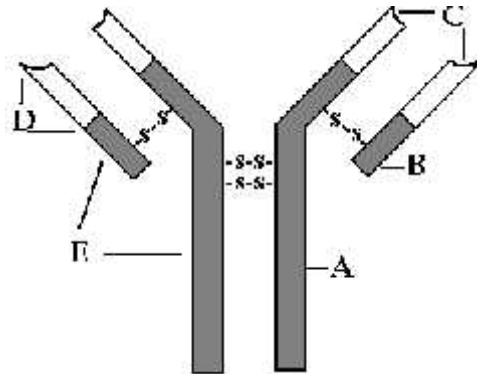
**(a) Anaplasia**

**(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**