

Class-12th- Test
HUMAN HEALTH & DISEASES

M.M-35

TIME-1.5 HR

SECTION A

Multiple Choice Questions

[1X 10=10]

1. The drugs used to quickly reduce the symptoms of allergy are

- (a) anti-histamine and adrenaline
- (b) histamine and thyroxine
- (c) adrenaline and α -interferon
- (d) all of these

2. The term 'antitoxin' refers to a preparation containing

- (a) B-lymphocytes and T-lymphocytes
- (b) antibodies to the toxin
- (c) weakened pathogen
- (d) inactivated T-lymphocytes

3. *Gambusia* is a fish which is being introduced into the ponds in order to check the vector-borne diseases such as

- (a) Dengue
- (b) Malaria
- (c) Chikungunya
- (d) All of these

4. The primary lymphoid organs are

- (a) Spleen and thymus
- (b) Bone marrow and thymus
- (c) Bone marrow and lymph node
- (d) Thymus and MALT

5. The antibody which is abundant in colostrum is

- (a) IgA
- (b) IgE
- (c) IgM



(d) IgG

6. Cancer cells do not exhibit the property of

- (a) Generating tumors
- (b) Metastasis
- (c) Contact inhibition
- (d) Both (b) and (c)

7. AIDS is widely diagnosed by

- (a) Widal test
- (b) ELISA
- (c) PCR
- (d) Chromatography

8. Which one of the following statements is true?

- (a) Dysentery, Plague and Diphtheria are viral diseases.
- (b) HIV replicates in host cell with the help of reverse transcriptase enzyme.
- (c) The disease ringworm disappears during summer and rainy season.
- (d) Common cold could be confirmed by Widal test.

9. Nicotine is a/an

- (a) Alkaloid
- (b) Inorganic compound
- (c) Steroid
- (d) Opioid

10. Cocaine is obtained from

- (a) Erythroxylum coca
- (b) Papaver somniferum
- (c) Atropa belladonna
- (d) Datura stramonium

SECTION – B

[2X3= 6]

11. Name the 2 diseases which are spread by *Aedes* mosquitoes.

12. How do cytokine barriers provide innate immunity in humans ?

13. State the functions of mast cells in allergy response.

SECTION-C

[3X 3= 9]



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14. Mention applications of each of the following –

- i. Passive Immunisation
- ii. Colostrum
- iii. ELISA

15. Write the sources & effect on human body of the following drugs –

- i. Cocaine
- ii. Marijuana
- iii. Morphine

16. Which cells are called as HIV factory ? Explain with the help of diagram replication of HIV in humans.

SECTION-D

[5X1= 5]

17. [i] Mention the 4 species of the genus *Plasmodium* that causes one of the most serious type of disease in humans. Which among them is deadliest ?

[ii] Describe the events in life cycle of Plasmodium which takes place in mosquito & humans in details.

CASE STUDY

[1X5= 5]

18. Bacteria like *Streptococcus pneumoniae* and *Haemophilus influenzae* are responsible for the disease pneumonia in humans which infects the alveoli (air filled sacs) of the lungs. As a result of the infection, the alveoli get filled with fluid leading to severe problems in respiration. The symptoms of pneumonia include fever, chills, cough and headache. In severe cases, the lips and finger nails may turn grey to bluish in colour. A healthy person acquires the infection by inhaling the droplets/aerosols released by an infected person or even by sharing glasses and utensils with an infected person. Dysentery, plague, diphtheria, etc., are some of the other bacterial diseases in man. Many viruses also cause diseases in human beings. Rhino viruses represent one such group of viruses which cause one of the most infectious human ailments – the common cold. They infect the nose and respiratory passage but not the lungs.

The common cold is characterised by nasal congestion and discharge, sore throat, hoarseness, cough, headache, tiredness, etc., which usually last for 3-7 days. Droplets resulting from cough or sneezes of an infected person are either



inhaled directly or transmitted through contaminated objects such as pens, books, cups, doorknobs, computer key board or mouse, etc., and cause infection in a healthy person.

1) Which organ in the humans get affected by pneumonia disease?

- (a) Stomach
- (b) Heart
- (c) Lungs
- (d) Bladder

2) Rhino virus can infect..... in the humans.

- (a) Hand
- (b) Nose
- (c) Ear
- (d) Hairs

3) By which of the following reason, an healthy person can acquire pneumonia disease?

- (a) By exhaling droplets of non-infected person.
- (b) By headache or leg pain.
- (c) By eating fast food.
- (d) By inhaling droplets of infected person.

4) How long does common cold last?

5) Write any two symptoms of common cold and pneumonia.

SA



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