



12th Science : Biology
Human Health and Diseases,

DATE:

TIME: 1 hour

MARKS: 25

SEAT NO:

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Note:-

1. All Questions are compulsory.
2. Numbers on the right indicate full marks.

Section A

Q.1 Select and write the correct answer.

(4)

1. An antibody is _____.
A) molecule that binds specifically an antigen B) WBC which invades bacteria
C) secretion of mammalian RBC D) cellular component of blood.
2. Inflammation reaction is brought about by _____.
A) Plasma cells B) Mast cells
C) Microphages D) Adipose cells
3. Which of the following is NOT caused by unsterilized needle?
A) Elephnatiasis B) AIDs
C) Malaria D) Hepatitis B
4. Immunological destruction of body tissues or product due to antibodies reacting with it as antigen is called _____.
A) Anaphylaxis B) Autoimmune system
C) Prophylaxis D) Immuno deficiency diseases

Q.2 Answer the following.

(3)

1. What are the other names of common cold?
2. Name the types of tumors.
3. Which are the diseases that can be avoided by eradication of mosquitoes in your area?

Section B
Attempt any Four

- Q.3 Fever forms a part of innate immunity. Explain. **(2)**
- Q.4 Can a person with blood group O Rh+ve donate blood to a patient with blood group O Rh-ve? **(2)**
Why?
- Q.5 Give the preventive measures of malaria. **(2)**
- Q.6 Match the following. **(2)**

Column I

- (a) AIDS
- (b) lysozyme
- (c) B-cells
- (d) T-helper cell
- (e) Antibody

Column II

- 1. Antibody production
- 2. Activation of B -cells
- 3. Immunoglobulin
- 4. Tears
- 5. Immuno deficiency

- Q.7 What is addiction? (2)
- Q.8 Write a note on antigens on blood cells. (2)

Section C
Attempt any Two

- Q.9 Differentiate between antigen and antibody. (3)
- Q.10 What are the preventive measures of amoebiasis? (3)
- Q.11 Describe the mode of transmission of AIDS. (3)

Section D
Attempt any One

- Q.12 Browse the information about COVID-19 - 19 with respect to Structure, Modes of infection, Preventive measures and Treatment. (4)
- Q.13 Name the infective stage of Plasmodium. Give any two symptoms of malaria. (4)