



General Instructions

- (i) The examination will be conducted in Computer-Based Test (CBT) mode.
- (ii) Each question carries +5 marks for correct answer and -1 mark for wrong answer.
- (iii) The total number of questions are 50.
- (iv) Duration of the exam is 1 hour (60 minutes).

1. Match List I with List II

List I

- (a) Mucus lining
- (b) Acid in stomach
- (c) PMNL-neutrophils
- (d) Interferons

List II

- (I) Physiological barrier
- (II) Cellular barrier
- (III) Physical barrier
- (IV) Cytokine barrier

Choose the correct answer from the options given below:

- (A) a-III, b-I, c-IV, d-III
- (B) a-III, b-II, c-IV, d-I
- (C) a-II, b-III, c-I, d-IV
- (D) a-III, b-I, c-II, d-IV

2. In an allergic reaction, which of the following is secreted?

- (A) Histamine
- (B) Neutrophil

- (C) Basophil
 - (D) Acidophil
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3. One of the following is not the causal organism for ringworm:

- (A) Macrosporum
 - (B) Epidermophyton
 - (C) Trichophyton
 - (D) Microsporum
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4. HIV causes reduction of:

- (A) T-helper cells only
 - (B) All T-cells
 - (C) B-cells only
 - (D) Both B and T-cells
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5. Widal test is used to diagnose:

- (A) Typhoid
 - (B) Malaria
 - (C) Pneumonia
 - (D) Cancer
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6. Arrange the following steps of retrovirus replication sequentially:

- (A) Production of viral DNA by reverse transcriptase
- (B) Introduction of viral RNA into host cell
- (C) Production of new viral RNA by host cell
- (D) Incorporation of viral DNA into host genome

Choose the correct answer from the options given below:

- (A) $B \rightarrow A \rightarrow D \rightarrow C$
(B) $A \rightarrow B \rightarrow D \rightarrow C$
(C) $B \rightarrow D \rightarrow A \rightarrow C$
(D) $A \rightarrow D \rightarrow B \rightarrow C$
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7. Match List I with List II

List I (Diseases)	List II (Disease causing agent)
(a) Amoebiasis	(I) Trichophyton
(b) Ascariasis	(II) Entamoeba histolytica
(c) Elephantiasis	(IV) Wuchereria
(d) Ringworm	(III) Roundworm

Choose the correct answer from the options given below:

- (A) a-IV, b-III, c-I, d-II
(B) a-III, b-II, c-I, d-IV
(C) a-II, b-III, c-IV, d-I
(D) a-II, b-IV, c-I, d-III
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8. Filariasis is also called elephantiasis because:

- (A) Body parts swell
(B) It is caused by elephant
(C) It is caused by Ascaris
(D) It is caused by Entamoeba
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9. Malignant malaria is caused by which of the following species of Plasmodium?

- (A) Plasmodium vivax
(B) Plasmodium malariae
(C) Plasmodium ovale
(D) Plasmodium falciparum
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10. Given below are two statements: one is labelled as Assertion (A) and the other as Reason (R).

Assertion (A): When readymade antibodies are directly given to protect the body against foreign agents, it is called passive immunity.

Reason (R): The yellowish fluid colostrum secreted by mother contains antibodies (IgA) to protect the infant.

Choose the correct answer from the options given below:

- (A) Both A and R are true and R is the correct explanation of A
 - (B) Both A and R are true but R is not the correct explanation of A
 - (C) A is true but R is false
 - (D) A is false but R is true
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