

N.B.:

- (1) All questions are compulsory.
- (2) All questions carry equal marks.
- (3) Draw neat and labelled diagram wherever necessary.

Q.1 Give an account of factors affecting enzyme activity with reference to pH and substrate concentration
OR

Q.1 Explain:

- A) Mechanism of enzyme action
- B) Hormones of adenohipophysis

Q.2 Give an account of types of reproductive cycles of mammals
OR

Q.2 Discuss:

- A) Pacemaker
- B) Heat loss

Q.3 Describe the types of leucocytes and its functions.
OR

Q.3 Explain:

- A) Haemolysis
- B) Leukaemia

Q.4 Explain briefly factors influencing the level of innate immunity.
OR

Q.4 Describe:

- A) Structure of immunoglobulin
- B) First line of defence

Q.5 Write short notes on:

- A) Hormones of neurohypophysis
- B) Hibernation
- C) Anaemia
- D) Properties of immunoglobulin

OR

Q.5 Write short notes on:

- A) Enzyme as a biocatalyst
 - B) Ionic regulation in iso osmotic environment
 - C) Haemorrhage
 - D) Complete antigens and heptans
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