

Bachelor of Science (B.Sc.) Semester-V Examination
GENERAL MAMMALIAN PHYSIOLOGY-I
Optional Paper—I
(Zoology)

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) ALL questions are compulsory.

(2) All questions carry equal marks.

(3) Draw suitable diagrams wherever necessary.

1. Give a detailed account of various factors affecting enzyme activity

10

OR

Write notes on :

(a) Classification of enzymes

5

(b) Properties of enzymes

5

2. Give an account of digestion and absorption of lipids.

10

OR

Write notes on :

(a) Sources and deficiencies of Vitamin-C

5

(b) Structure of liver.

5

Give an account of mechanism and control of respiration.

10

OR

Write notes on :

(a) Transport of CO₂ through blood

5

(b) Respiratory disorders

5

4. Describe the cardiac cycle in detail.

10

OR

Write notes on :

(a) Intrinsic mechanism of blood coagulation

5

(b) Blood Pressure.

5

5. Write four of five lines on each of the following (any TEN) :

(i) Holoenzyme

(ii) Allosteric site

(iii) Non-competitive Inhibition

(iv) Saliva

(v) Enterocrinin

(vi) Beri-beri

(vii) Haemoglobin

(viii) pO₂

(ix) Effect of smoking

(x) Rh factor

(xi) ECG

(xii) Leucocytes

10