

**Bachelor of Science (B.Sc.) Semester-V (C.B.S.) Examination****GENERAL MAMMALIAN PHYSIOLOGY-I****Paper-1****(Zoology)**

Time : Three Hours]

[Maximum Marks : 50

**Note :—** (1) All questions are compulsory.

(2) All questions carry equal marks.

(3) Draw well labelled diagrams wherever necessary.

1. Explain in detail the factors affecting enzyme action. 10

**OR**

Write short notes on :

(A) Distribution of enzymes 5

(B) Classification of enzymes. 5

2. Give an account on digestion and absorption of carbohydrates. 10

**OR**

Write short notes on :

(A) Structure of liver 5

(B) Digestion of lipids. 5

3. Describe respiratory disorders of smoking. 10

**OR**

Write short notes on :

(A) Properties of respiratory pigments 5

(B) Inspiration. 5

4. Explain the role of intrinsic and extrinsic factors in blood clotting. 10

**OR**

Write short notes on :

(A) E.C.G. 5

(B) Composition of blood. 5

5. Write four to five lines on the following (any **ten**) :

(i) Enzyme– Substrate complex

(ii) Catalyst

(iii) Apoenzyme

(iv) Vitamin D

(v) Gastrin

(vi) Pancreatic juice

(vii) Haemoglobin

(viii) Hypoxia

(ix) Carbonic acid

(x) Rh. factor

(xi) S.A. Node

(xii) Diastole. 10