



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. General Examinations 2020

(Under CBCS Pattern)

Semester - III

Subject: ZOOLOGY

Paper: DSC 1C/2C/3C-T & DSC 1C/2C/3C-P
(Physiology and Biochemistry)

Full Marks : 60

Time : 3 Hours

Candidates are required to give their answer in their own words as far as practicable.

The figures in the margin indicate full marks.

THEORY (Marks : 40)

Answer any *two* from the following questions :

2×20

1. (a) Write down the regulation of enzyme action.

(b) Describe the electron transport chain.

10+10

2. What is apoenzyme and coenzyme ? What is allosteric enzyme ? Describe how enzymes are inhibited with example. Describe Michaelis-Menten equation.

4+4+4+8

3. Describe β oxidation of palmitic acid and urea cycle. 10+10

4. Explain the hormonal control of menstrual cycle. What is spermatogenesis and oogenesis ?
10+10

PRACTICAL (Marks : 20)

Answer any *one* from the following questions : 1×20

1. Describe the principle and procedure of total protein estimation by Lowry's method.

2. Mention the of hemin and hermochromogen crystals preparation procedure.

3. Identify with reasons of the following :

(a) Liver

(b) Kidney
