Code: A-B337113-M	**I Semester Exam – 2022-23**	3 x 500
Std.: XI	Sub: **BIOLOGY**	Marks: 50
Date: 23/11/2022	Roll No.: _____	Time:

General Instructions :-

1. **Section-A** : Q.No. 1 contains Seven multiple choice type of questions carrying One mark each.
   Q.No.2 contains Seven very short answer type of questions carrying One mark each.
2. **Section-B** : Q.No. 3 to Q.No. 13 are short answer type of questions carrying two marks each.
3. **Section-C** : Q.No.14 to Q.No.19 are short answer type of questions carrying three marks each.
4. **Section-D** : Q.No.20 to Q.No.23 are long answer type of questions carrying four marks each.
5. Figures to the right indicate full marks.
6. For each MCQ, the correct answer must be written along with its alphabet.
   e.g. (a) ...../ (b) ...../ (c) ...../ (d) ....., etc.
   Only first attempt will be considered for evaluation.
7. Begin the answer of each section on a new page.

Section - A

Q.1 **Select and write the correct answer for the following multiple choice type of questions.** 7

1) _____ is the whorl of undifferentiated calyx and corolla.
   a) Androecium b) Perianth
   c) Sepals d) Gynoecium

2) _____ is the unique property of living being.
   a) Death b) Metabolism
   c) Ageing d) Response to stimulus

3) Human dentition is described as _____
   a) Homodont b) Triphyodont
   c) Diphyodont d) Phycobiont

4) In _____ aestivation, the outermost and largest petal is known as standard.
   a) Vexillary b) Imbricate
   c) Twisted d) Valvate

5) The study of structure and arrangement of tissue is called as _____
   a) Morphology b) Histology
   c) Anatomy d) Botany

6) Ventricular ganglion is present on _____
   a) Crop b) Gizzard
   c) Rectum d) Salivary gland

7) _____ has blind sac body plan.
   a) Sponges b) Cow
   c) Amphioxus d) Hydra

Q.2 **Answer the following.** 7

1. Give the dental formula of adult human.
2. What is the function of epicalyx in flower ?
3. Which is the common passage for food and air in human being ?
4. Give example of viviparous reptile.
5. Which cells in nervous system are capable of regeneration and division ?
6. What is ageing ?
7. Which is the most advanced group of flowering plant ?

Section -B

Attempt any Eight. 16

Q.3 Which is the muscular fleshy organ in buccal cavity ? Write its functions.

Q.4 Draw Monoadelphous stamen.

Q.5 Match the Columns.

Individual members	Name of Whorl
i) Petals	a) Androecium
ii) Tepals	b) Calyx
iii) Sepals	c) Corolla
iv) Stamens	d) Perianth

Q.6 Give functions of
i) Hepatic caecae
ii) Crop

Q.7 Write a note on cell junctions.

Q.8 Distinguished between Chondrichthyes and Osteichthyes.

Q.9 Name Two sphincters found in human stomach.

Q.10 Angiosperms show heteromorphic alternation of generation. Explain.

Q.11 Describe the types of vascular bundles in dicoteledonous plants.

Q.12 Define.
a) Monoecious plant
b) Dioecious plant

Q.13 Why angiosperms are called heterosporous ?

Section - C

Attempt any Four. 12

Q.14 Explain the following basic principles of life.
i) Metabolism
ii) Death
iii) Growth and Development

Q.15 Sketch and label Multipolar Neuron.

Q.16 Describe any 3 types of placentation.

Q.17 Classify cockroach with reasons.

Q.18 Describe different parts of small intestine in human.

Q.19 Classify flower based on the position of their ovary on thalamus with example.

Section - D

Attempt any Two. 8

Q.20 Describe the central nervous system of cockroach.

Q.21 Give characteristics of class Aves with example.

Q.22 Describe structure and functions of any 2 simple epithelial tissue.

Q.23 Explain characters of class Monocotyledonae with example.