



GIET UNIVERSITY, GUNUPUR - 765022
B. Sc. (Ag.) (First Semester) Regular Examinations, February-2024
BB-111 - Introductory Biology

Time: 2 hrs

Maximum : 50 Marks

The figures in the right hand margin indicate marks.

PART – A

Q.1. Fill in the blanks with suitable word / figure.

(0.5 x 10 = 5 Marks)

- a. Human is the warm blooded animal whereas frog is the _____ animal.
- b. True fruit develops from _____ part of the flower.
- c. Cell wall is basically composed of _____.
- d. _____ is a type of cell division that produces gametes for sexual division.
- e. Human is the warm blooded animal whereas frog is the _____ animal.
- f. Stem developed from _____ part of the germinating seed.
- g. The family of green pea is _____.
- h. True fruit develops from _____ part of the flower.
- i. The heritable material of the cell is located in _____, a vital organelle of the cell.
- j. Ginger is the modified _____.

Q. 2. Define (or) Explain the following in one or two sentences.

(1 x 5 = 5 Marks)

- a. Define tissue.
- b. Define homeostasis.
- c. What is binomial nomenclature?
- d. Define mitosis.
- e. What is sexual reproduction?

Q3. Match the following

(0.5 x 10 = 5 Marks)

Column – A		Column – B	
(a)	Calyx	(i)	Embryo of plant
(b)	Corolla	(ii)	Areal part of plant
(c)	Gynoecium	(iii)	Green coloured part that protect the flower bud
(d)	Androecium	(iv)	Edible structure develop from wall of the ovary
(e)	Leaf	(v)	Colourful part to attract pollinators
(f)	Root	(vi)	Opening on leaves for gaseous exchange
(g)	Seed	(vii)	Female reproductive structure
(h)	Stem	(viii)	Male reproductive structure
(i)	Fruit	(ix)	Used for photosynthesis
(j)	Stomata	(x)	Underground part of the plant

Q4. Write True or False against each statement

(0.5 x 10 = 5 Marks)

- a. Locomotion is one of the characteristics of life.
- b. Onion is a modified root.
- c. Wheat is a dicot plant.
- d. Most of the plants have autotrophic nutrition.
- e. Mushrooms are fungus.
- f. Bacteria possess prokaryotic cells.
- g. The botanical name of our national tree is *Ficus bengalensis*.
- h. Mosses belong to the division Bryophyta.
- i. The perianth is the vegetative part of the flower.
- j. Bamboo is a dicot plant.

PART – B

Attempt ANY FIVE questions. All question carries equal marks

(6 x 5 = 30 Marks)

- 5. Write an essay on origin of life on earth.
- 6. Enlisted different structural components of the cell with their functions.
- 7. Enumerate different types of leaves in plants.
- 8. Describe different parts of the flower.
- 9. Give an account of role of animals in agriculture.
- 10. Diagrammatically show different parts of a flowering plant. Differentiate between monocot plant and dicot plant.

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