

2024
(Session : 2022-26)

Time : 3 hours

Full Marks : 75

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

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Compulsory)

1. Short-answer type questions : $1 \times 5 = 5$
- (a) Define phycology.
 - (b) Who is known as father of Taxonomy ?
 - (c) Write down the botanical name of any two timber yielding plants.
 - (d) What is double fertilization ?

- (e) Botanical Survey of India (BSI) is located in which state ?
2. Differentiate between prokaryotic and eukaryotic cell. 5
3. Types of Organic Farming. 5

Group – B

Answer any four questions of the following :

15×4 = 60

4. What do you mean by mitotic cell division ? Give a detailed account on different phases of mitosis with well labelled diagrams.
5. Define transpiration. Discuss its types, significance and various factors affecting it.
6. What is an ecosystem ? Write in details about the pond ecosystem with appropriate diagrams.
7. What are Microbes ? Discuss the characteristics featurer, structure, growth pattern and economic importance of virus.

BK – 4/1

(2)

Contd.

8. Write down the causal organism, symptoms and control measures of the disease citrus canker.
9. What is Biotechnology ? Discuss the role of biotechnology in the field of agriculture and environment.



BK – 4/1 (600)

(3)

FYUESE(II) — Bot
(IRC – 2)