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Total No. of Printed Pages: [01]

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B. Sc (Hons.) (Agriculture) (Semester –1st)

INTRODUCTORY BIOLOGY

SUBJECT CODE: BAGRS1158

Paper ID: [21130108]

Time: 03 Hours

Maximum Marks: 30

Instruction for candidates:

1. Section A is Compulsory.
2. Attempt any TWO questions from Section B.
3. Attempt any ONE questions from Section C.

Section – A

(2 marks each)

Q1 Answer the following:

- a. “Botanical gardens are living herbaria” comment.
- b. Define vestigial organ. Give examples.
- c. Justify the statement on the basis of external features: Underground parts of a plant are not always roots.
- d. Give any four characteristic features of family Fabaceae.
- e. Write any four differences between mitosis and meiosis.

Section-B

(5 marks each)

Q2 Illustrate the taxonomical hierarchy with suitable examples of plant and animals.

Q3 Describe Darwin’s theory of Natural Selection.

Q4 What do you mean by seed germination? What are the different factors affecting the seed germination.

Section- C

(10 marks each)

Q5 Describe the various types of placentations found in flowering plants and represents it diagrammatically.

Q6 What are different roles played by the animals in the field of agriculture?