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B.Sc.(Ag)—IS(BB-111)

2018

Time : 2 hours

Full Marks : 50

Answer all questions

The figures in the right-hand margin indicate marks

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

(INTRODUCTORY BIOLOGY)

1. Match the following :

1 × 5

A

B

Ginko

Brassicaceae

Wheat

Angiosperm

Peepal

Gymnosperm

Mustard

Fabaceae

Pea

Poaceae

(Turn Over)

(2)

2. Write short notes on : 3 × 5

- (i) Eugenics
- (ii) Binomial nomenclature
- (iii) Eukaryotic Ribosome
- (iv) Factors responsible for seed germination
- (v) Anaphase.

3. Long Questions (any four) : $7\frac{1}{2} \times 4$

- (a) Give an account of natural system of classification in plants.
- (b) Draw a labelled diagram of a typical Eukaryotic plant cell and mention the important function of its organelle.
- (c) What are the different stem modifications in plants ? What are their uses ?
- (d) Mention the identifying characters of the Family Fabaceae with FF and FD with examples.

(3)

(e) Give a brief description of various important theories regarding origin of life.
