

(i) Printed Pages : 7

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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B.A./B.Sc. (General) 1st Semester

1125

AGRICULTURE (In all Mediums)

Paper—A : Basics of Agricultural Botany and Forestry
(Theory)

Time Allowed : Three Hours]

[Maximum Marks : 70

Note :— Question paper has *five* sections. Section-A contains 10 short answer type questions of *one* mark each. All questions of Section-A are compulsory. Sections B, C, D and E have *two* questions each of 15 marks. Out of which, *one* from each section is to be attempted. Total *five* questions are to be attempted.

SECTION—A

1. Answer the following :

- (a) Define Pillar roots.
- (b) What type of inflorescence is present in Family Asteraceae ?
- (c) What are false fleshy fruits ?
- (d) What is haploid parthenogenesis ?
- (e) What is the significance of male sterility ?
- (f) Define self incompatibility.

- (g) Write about the soil requirements for the cultivation of maize.
- (h) How many irrigations are required for Soyabean cultivation ?
- (i) How the forest trees check the global warming ?
- (j) Define social forestry. 1×10=10

SECTION—B

- 2. Give a brief account of the various types of simple fruits. 15
- 3. Discuss in detail the :
 - (a) Modifications of tap roots
 - (b) Important modifications of stem. 9+6=15

SECTION—C

- 4. Discuss in detail the life cycle of a typical angiosperms. 15
- 5. Write short notes on :
 - (a) Types and significance of pollination
 - (b) Cytoplasmic genetic male sterility
 - (c) Vegetative mode of reproduction in crop plants. 5+5+5=15

SECTION—D

- 6. Discuss briefly the various practices followed for the cultivation of wheat and cotton. 15