

Total Pages-02

RNLKWC/B.Sc.-CBCS/VS/BOT/H/C11T/21

2021

BOTANY

[HONOURS]

(CBCS)

(B.Sc. Fifth End Semester Examination-2021)

PAPER-C11T

Full Marks: 40

Time: 02 Hrs

*The figures in the right hand margin indicate marks
Candidates are required to give their answers in their own words as
far as practicable
Illustrate the answers wherever necessary*

Group - A

1. Answer any five of the following:

5x2=10

- a) What is MGU ?
- b) What are hydrochory and zoochory?
- c) What is the significance of callose in microsporogenesis of angiosperms.
- d) What are syncarpous and apocarpous pistil?
- e) What is scutellum?
- f) What are epigeal and hypogeal germination?
- g) What is meant by Polyads ?
- h) What are the methods to overcome incompatibility pollination?

(2)

Group – B

2. Answer any four of the following: **4x5=20**
- a) Write short note about the contrivances for cross pollination. 5
 - b) Write a note on pollen wall proteins. What is pollinia ? 4+1
 - c) Describe the ultrastructure of embryo sac. What is aril ? 4+1.
 - d) Define self-seed dispersal. Explain it with example. 5
 - e) Write the basic features of endosperm. What is meant by suspensor ? 4+1
 - f) Write different types of modification of stigma surface. What is intraovarian pollination 4+1

Group – C

3. Answer any one of the followings: **1x10=10**
- a) Define polyembryony. Write different types of polyembryony in angiosperms. 2+8=10
 - b) Describe general pattern of development of a typical embryo with sketches. 10
-