



K24P 1062

Reg. No. : .....

Name : .....

**Second Semester M.Sc. Degree (C.B.C.S.S. – OBE-Regular)  
Examination, April 2024  
(2023 Admission)  
BOTANY**

**MSBOT02C07 : Angiosperm Anatomy, Embryology and Micro Technique**

Time : 3 Hours

Max. Marks : 60

**PART – A**

Answer **any five** questions. **Each** question carries **3** marks.

1. What is MGU and heterogenicity in sperms ?
2. Comment on the floral development of *Arabidopsis*.
3. Give brief notes on any 3 types of microtomes.
4. Describe the wood anatomy of *Artocarpus*.
5. Add notes on whole mount.
6. Comment on the nutrition of embryo sac.

**(5×3=15)**

**PART – B**

Answer **any three** questions. **Each** question carries **6** marks.

7. With the help of diagram explain different types of ovules.
8. Describe briefly the origin and roles of cambium.
9. Comment on different dehydration methods.
10. What is the role of endosperm ? Explain different types of endosperms.
11. Briefly explain nodal anatomy.

**(3×6=18)**

P.T.O.



PART – C

Answer **any three** questions. **Each** question carries **9** marks.

12. What are stains ? Classify stains.
13. Give an account on the abnormal cambial activity with suitable examples.
14. Write an essay on various chemical fixatives and the chemistry of fixation.
15. Describe briefly pollen pistil interaction and pollen germination.
16. Briefly explain the histochemical localization of protein, starch and lipids.

(3×9=27)

