

The submission of the assignment has to be completed by the students on or before 07.08.2020 on the site www.sbdeorahonline.in in PDF Format Only.

TDC 4th Semester (Major),2020

Paper Code- M 401 (Theory)

Paper Name – Morphology, Palynology and Embryology of Angiosperms

Total Marks- 50

1. Answer the following questions- (1x5=5)
 - i. What is Apomixis?
 - ii. Double fertilization was discovered by?
 - iii. What is xenia and metaxenia?
 - iv. What are the characteristics of a primitive carpel ?
 - v. Name any two angiospermic family in which inferior ovary is found.

2. Answer the following questions – (2x5=10)
 - i. Write the main features of receptacular theory of inferior ovary.
 - ii. Write a short note on Pollen Kit.
 - iii. Differentiate between Racemose and Cymose Inflorescence.
 - iv. Explain the process of Microsporogenesis.
 - v. Explain- “Flowers a Modified Shoot”.

3. Answer any three of the following questions (3x5=15)
 - i. Write the different practical applications of Palynology.
 - ii. Describe the characteristic features of cellular endosperm haustoria.
 - iii. Write short note on the evolution of angiospermic flower.
 - iv. Write about the NPC System of classification.

4. Answer the following (2x10=20)
 - i. Describe in details with diagram about the structure of mature embryo sac.
 - ii. What are the various theories of Origin of Angiosperm?