X(3rd Sm.)-Botany-H/CC-6/CBCS

2022

BOTANY — HONOURS

Paper: CC-6

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

. An	swer the following questions:	
(a)	Give an example of a gamopetalous irregular flower.	1
(b)	Distinguish between syngenesious and synandrous stamens.	2
(c)	Mention the difference between axile and free central placentation with diagrams.	1+1
(d)	What is syconus?	1
(e)	What is tapetum?	1
(f)	Why is double fertilization so called?	2
(g)	What is cleavage polyembryony?	1
. An	swer any two from the following:	Ö,
(a)	What is an actinomorphic flower? Draw and describe different types of polypetalous forms corolla.	of 1+4
(b)	With suitable illustrations describe different types of aestivation in angiosperms.	5
(c)	of soil of these soull. Come Will the state of the control of the	nple 2+1
(d)	Discuss in brief the 'ABC Model' of flowering. What is florigen?	4+1
An	swer any three from the following:	
(a)	What do you mean by special cymose inflorescence? With suitable illustrations distinguish am hypanthodium, cyathium and verticillaster inflorescence types.	
(b)	Draw and describe different types of fleshy indehiscent fruits with suitable examples.	3+7
(c)	What is megasporogenesis? Describe different types of megagametogenesis with suitable illustrational and examples.	
(d)		and

(e) Differentiate between vegetative reproduction and agamospermy. Describe different types of

apomixis in angiosperms. Give example of an apomictic plant species.