2020

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 ow.

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

1.	Answer the following questions:	
	(a) What is perisperm? Give an example.	1+1
	(b) What is a compound spadix inflorescence?	1
	(c) Define schizocarpic fruit. Give an example.	1+1
	(d) Define aggregate fruit.	1
	(e) What is hypocrateriform corolla? Give an example.	1+1
	(f) What is apogamy?	1
	(g) How a spike differs from a raceme inflorescence?	1
2.	Answer any two from the following:	
	(a) Write a short note on apomixis in angiosperms.	5
	(b) Distinguish between cyathium and hypanthodium inflorescences with one example each.	21/2+21/2
	(c) With suitable examples describe different fleshy indehiscent fruits.	5
	(d) Describe different types of pollen tube entry into ovule with examples.	5
3.	Answer any three from the following:	
	(a) What is cymose inflorescence? Describe different types of cymose inflorescences.	2+8
	(b) Define double fertilization. Describe double fertilization with suitable diagrams.	3+7
	(c) What is megasporogenesis? Describe monosporic and bisporic types of megagametogene	sis. 2+4+4
	(d) Describe the genetic and molecular aspects of flower development.	10
	•	+21/2+21/2