2016

BOTANY — HONOURS

Second Paper

(Group - A)

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

		to the first to th	
1.	Ansv	ver the following questions briefly:	2
	(a)	Distinguish between perichaetium and calyptra.	2
	(b)	State the functions of amphithecium and endothecium.	
	(c)	Name a pollution sensitive bryophyte.	1
	(d)	Mention two important points of distinction between spores and	2
		pollen grains.	
	(e)	Name the periods of Palaeozoic Era.	2
	(f)	Draw a tricolporate pollen grain in polar view.	1
2.	Mer	tion the salient features of the class Bryopsida. Give an account of the	
mecha	nism	of capsule dehiscence and mode of spore dispersal in different groups of	- 10
bryopl			5+10
		Or	
	Wri	te short notes on the following:	
	(a)	Vegetative plant body of Anthoceros.	5
	(b)	Role of bryophytes in plant succession.	5
		Antithetic theory of alternation of generation.	5
		cuss different modes of preservation of fossils as suggested by Schopf	
3.	Dis	te the significance of studying fossils.	10+5
(1975). Sta	Or	
		ite notes on the following :	5
	(a)		5
	(b)		5
	(c)	Megafossils of Indian Lower Gondwana.	
		2	
	4.	Write briefly on any two of the following:	5×2
		(a) Types of endosperm development in angiosperm.	
		(b) Pollen-Ovule ratio and its significance.	
		(c) Apospory and Apogamy.	
		(d) Stages of Microsporogenesis.	