Botany

:

Subject

Paper name		:	Pteridophytes, Gymnosperms, Palaebotany, Palynology				
Paper	No	:	IX				
Semes	ter	:	VI Semester				
Α.	Multiple cho	ice que	estions				
1.	Calamites bel	ongs to	the class				
	(a) Lycopsida	_	(b) Sphenopsida	(c) Pteropsida	(d) Psilopsida		
2.	Sporocarp is f	formed	in				
	(a) Adiantur	n	(b) Ophioglossum	(c) Lepidodendron	(d) Marselia		
3.	Which of the (a) Ginkgoal		ing orders is regarded a (b) Cycadale	•	veen Gymnosperms and Angiosperm (d) Coniferales		
4.	Marselia is a (a) Homospo (b) Non-Spor		- ·	(b) Heterosporic Pto Seeded	eridophyte		
5.	Adiantum bel	ongs to	class				
	(a) Pteropsida	_	(b) Lycopsida	(c) Sphenopsida	(d) Psilopsida		
6.	Which one of	the fol	lowing is called Maide	en hair tree			
	(a) Ginkgo		(b) Taxus	(c) Ephedra	(d) None of the above		
7.	The most adv	anced o	order in Gymnosperms				
	(a) Cycadale	S	(b) Coniferales	(c) Gnetales	(d) Taxales		
8.	Ephedra is						
	(a) Monoecio(d) Usually d		(b) Dioeciou us occasionally monoec	` '	nonoecious occasionally dioecious		
9.	Which gymno (a) Ginkgo	osperm	has leaves like Adianto (b) <i>Gnetum</i>	um? (c) <i>Cycas</i>	(d) A.raucaria		
10		n ia na	• •	• •	•		
10.			t woody climber? (b) Gnetum montani	um (c) Gnetum la	atifolia (d) Gnetum ula		

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11.	Gymnosperm do not (a) Seeds	have (b) Fruits	(c)	Leaves	(d)	None of the above	
12.	All members of Gym (a) Heterosporous	nopsperms are (b) Homosporous	(c)	Both (a) & (b)	(d)	None of the above	
13.	Megasporangium is a (a) Pollen sac	a/an (b) Ovule	(c)	Seed	(d)	Venter	
14.	The order Coniferales (a) 5 genera	s is represented by (b) 7 genera	(c)	11 genera	(d)	13 genera	
15.	The point of attachmed (a) Chalaza	ent of ovule to the fu (b) Raphe		s known as Hilum	(d)	Micropyle	
16.	Cordaites belongs to (a) Coniferophyta		(c)	Charophyta		(d) Phaeophyta	
17.	Which of the following (a) Ephedra	ng is called living for (b) <i>Pinus</i>		Cycas	(d)	Ginkgo	
18.	Which Gymnosperm (a) Cycadofilicales	order includes all for (b) Cycadales		oresentatives Gnetales	(d)	Coniferales	
19.	What is the longest p (a) Pre-Cambian tim	art of earth history	ic era	(c) Mesozoic	era	(d) Cenoezoic era	
20. The Geological time scale is Subdivided into 4 groups. List them beginning with the largest (a) Eons, periods, epoch, eras, (b) Eras, eons, periods, epoch (c) Wesozofe era (d) Censezofe era (e) Wesozofe era (d) Eonsezofe era (e) Wesozofe era (d) Eonsezofe era (e) Wesozofe era (f) Wesozofe era (g) Ensezofe era (g) Eonsezofe era (g) Eonse							
21. The transfer of pollen grains from anther to a stigma of different flowers in different plants is known							
	as a)self reproduction c)self pollination	b) cross reprodu d)cross pollina					
2	2. Pollen allergy is ma	-	ion of				
	a) Brainc) Glands	b)Immune system c) Cellular activity					
2	3. Pollination througha) Anemophilyc) Hydrophily	wind as a vector is k b) entomophil c) None of the	y				

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24. A typical example of selfa) Wheatc) Cotton								
25. Pollen allergy symptomsa) Highly feverc) stomach irritation	most often inclu b) runny nose a d) headache	ide: and nasal congestion						
Answer Keys 1. (b) 2. (d) 3. (c) 4. (b) 5. (a) 6. (a) 7. (c) 8. (d) 9. (a) 10. (a) 11. (b) 12. (a) 13. (b) 14. (d) 15.(c) 16. (A) 17. (c) 18.(a) 19. (b) 20. (d) 21. (d) 22. (b) 23. (a) 24. (d) 25. (b)								
FILL IN THE BLANKS								
14. Morphology(size, shape an species.15.Intine of pollen grain comp	present in Ephece is and special secondaried within the integuration ongest subdivision of error are usually bed exine thickness.	venation. dra is s the longest among the pecies of Gymnospers a structure called ment on of Geological time rightly coloured and s s) of can	ne Gymnosperms.' ms occur in India					
Answer Keys 1.Fossil 2. Kidston and Lang 6.Ephedra 7. 16 & 53 11. Eons 12. Paleontology or	8. Archegoniu	ım 9. One	10. Mesozoic era					