Botany

:

Subject

Paper name :		Pteridophytes, Gymnosperms, Palaebotany, Palynology							
Paper No :		IX							
Semester :		VI Semester							
<b>A.</b>	A. Multiple choice questions								
1.	Calamites belo (a) Lycopsida	ngs to	the class (b) Sphenopsida	(c) Pteropsida	(d) Psilopsida				
2.	Sporocarp is fo (a) Adiantum	rmed i	n (b) <i>Ophioglossum</i>	(c) Lepidodendron	(d) Marselia				
3.	Which of the fo		ng orders is regarded as (b) Cycadales	=	een Gymnosperms and Angiosperm (d) Coniferales				
4.	Marselia is a  (a) Homosporic Pteridophyte  (b) Non-Sporic Pteridophyte  (d) Seeded								
5.	Adiantum belon (a) Pteropsida	ngs to	class (b) Lycopsida	(c) Sphenopsida	(d) Psilopsida				
6.	Which one of to (a) Ginkgo	he foll	owing is called Maider (b) Taxus	n hair tree (c) Ephedra	(d) None of the above				
7.	The most advantage (a) Cycadales	nced o	rder in Gymnosperms (b) Coniferales	(c) Gnetales	(d) Taxales				
8.	Ephedra is (a) Monoecious (d) Usually did		(b) Dioecious s occasionally monoeci	` ′	nonoecious occasionally dioecious				
9.	Which gymnos (a) Ginkgo	perm l	nas leaves like Adiantu (b) <i>Gnetum</i>	m? (c) <i>Cycas</i>	(d) A.raucaria				
10.			woody climber? (b) <i>Gnetum montanus</i> Downloaded from	m (c) Gnetum la n https://www.gzrsc.edu					

11.	Gymnosperm do not l	nave						
	(a) Seeds		Fruits	(c)	Leaves	(d)	None of the above	
12.	All members of Gym	nops	perms are					
	(a) Heterosporous	(b)	Homosporous	(c)	Both (a) & (b)	(d)	None of the above	
13.	Megasporangium is a	/an						
	(a) Pollen sac	(b)	Ovule	(c)	Seed	(d)	Venter	
14.	The order Coniferales	is r	epresented by					
	(a) 5 genera	(b)	7 genera	(c)	11 genera	(d)	13 genera	
15.	The point of attachme	ent o	f ovule to the funio	ele i	s known as			
	(a) Chalaza	(b)	Raphe	(c)	Hilum	(d)	Micropyle	
16.	Cordaites belongs to	class						
	(a) Coniferophyta	(b)	Cycadophyta	(c)	Charophyta		(d) Phaeophyta	
17.	Which of the following	ng is	called living fossi	1				
	(a) Ephedra	(b)	Pinus	(c)	Cycas	(d)	Ginkgo	
18.	Which Gymnosperm	orde	r includes all fossi	l rep	presentatives			
	(a) Cycadofilicales	(b)	Cycadales	(c)	Gnetales	(d)	Coniferales	
19.	What is the longest pa	art o	f earth history					
	(a) Pre-Cambian tim	e	(b) Palaezoic	era	(c) Mesozoic	era	(d) Cenoezoic era	
20.	The Geological time	scale	is Subdivided into	o 4 g	groups. List them b	egin	ning with the largest	
	(a) Eons, periods, epoch, eras,				<ul><li>(b) Eras, eons, periods, epoch</li><li>(d) Eons, eras, periods, epochs</li></ul>			
	(b) Epoch, periods, e	ras,	eons		(d) Eons, eras	s, pei	riods, epochs	
21.	The transfer of pollen as	grai	ns from anther to a	stig	gma of different flo	wer	s in different plants is known	
	a)self reproduction		b) cross reproduct					
	c)self pollination		d)cross pollinatio	n				

Downloaded from https://www.gzrsc.edu.in

22. Pollen allergy is mainly due to malfunction of

## Government Zirtiri Residential Science College

b)Immune system

a) Brain

c) Glands	c) Cellular activity
23. Pollination thr	ough wind as a vector is known as
a) Anemophily	b) entomophily
c) Hydrophily	c) None of the above
24. A typical exan	aple of self pollination is
a) Wheat	b) Rice
c) Cotton	d) Maize
25. Pollen allergy	symptoms most often include:
a) Highly fever	b) runny nose and nasal congestion
c) stomach irrita	tion d) headache
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) 1	6. (A) 17. (c) 18.(a) 19. (b) 20. (d) 21. (d) 22. (b) 23. (a) 24. (d) 25. (b)

## FILL IN THE BLANKS

l.	Rhynia 1s plant.
2.	Rhynia was described by
3.	Young leaves of <i>Marsilea</i> show venation.
<b>1</b> .	Gymnosperms originated in
5.	The type of polyembryony present in <i>Ephedra</i> is
5.	The archegonial neck of is the longest among the Gymnosperms.'
7.	A total of genera and species of Gymnosperms occur in India
3.	The female gametophyte is contained within a structure called
€.	Gymnosperm typically have integument
10.	The age of Gymnosperm is
11.	are the longest subdivision of Geological time scale.
12.	Paleobotany is the branch of
13.	flowers are usually brightly coloured and scented and often secrete nectar.
14.	Morphology ( size, shape and exine thickness) of can be used for identification of plant
	species.
15.	Intine of pollen grain composed and protein

## Government Zirtiri Residential Science College

## **Answer Keys**

1.Fossil 2. Kidston and Lang 3.Circinate 4.Palaezoic era 5. Embryosac polyembryony

6.Ephedra 7. 16 & 53 8. Archegonium 9. One 10. Mesozoic era

11. Eons 12. Paleontology or Paleobiology 13. Entomophilous 14. Pollen 15. Lipids