

Note the below:

- 1. All the questions are compulsory.
- 2. Draw neat & suitable diagrams wherever necessary.
- 3. Figures to the right indicate full marks.

Q1.Choose the correct of	(02 Marks each)		
1. is the m	ost advanced type of ste	ele.	
a. protostele	b. siphonostele	c. solenostele	d. atactostele
2. Eustele is a type of	c. Calvelforan		
	b. siphonostele	c. solenostele	d. atactostele
3. In Nephrolepis, eac	h androcyte metamorp	phoses into spirally	coiled, haploid,
antherozoids.			
a. uniflagellate	b. biflagellate	c. triflagellate	d. multiflagellate
4. The gametophyte of fo			PROPERTY OF STATE OF STATE OF
	b. micropyle		d. hydathode
5. Nephrolepis shows ho		The state of the s	
	b. some are small		d. some spores are
	and few are large		undeveloped
amerene types	spore	Sumo type	anacreropea
6 is sin		stactive covering that I	ooks like a mustache shaped
in the transverse section			ooks like a mustache shapeu
	b. indusium		d micronylo
7. In <i>Nephrolepis</i> , sori ar			
a. abaxial		c. central	d. axial
TV TAX	wn scale like epidermal	outgrowths densely co	overing the rhizome, stolons
petiole and rachis.			
a. glandular hair	b. ramentum	c. latex	d. tannin
9. Cycas belongs to orde	1 20		osetves district
a. Cycadales	b. Coniferales	c. Gnetales	d. Cycadophyta
10. Cycas is	Pollinated plant.		
a. Wind	b. Insect	c. Bird	d. Water
11. In T.S of Cycas leafle	t, the hypodermis is mad	le up of	
a. Sclerenchyma	b. Parenchyma	c. Collenchyma	d. Vessels
12. Which one of the fol	lowing is a characteristic	feature of Gymnospe	rm?
a. Presence of	b.Double	c. Exposed Ovule	d. Presence of
Triploid Endosperm	fertilization	E 1	Monadelphous stamens
			cells are more are present in
the stem. Such type of v	A Secretary of the second of t	muldium	itne signitridesit A
a. Manoxylic wood	The state of the s	c. hard wood	d: autumn wood
14. Male reproductive o		the second of th	
		Microsporophyll	Ovule
Megasporophyll		Microsporophyn	ovule . kmmassib
15. The microspore oute			
	b. Intine	c. Generative layer	d. Prothallus layer
16. Type of ovule in Cycl			
a. Orthotropous	b. Anatropous	c. Amphitropous	d. Campylotropous

VCD/	BOTANY -	I SEMESTER I	I MARKS-100	DURATION - 3 HRS
- MUSI	AND STATE OF THE S		1010100111111	119100
17. Lea	ves without stipul	es are called		
		b. Sessile	c. Petiolate	d. Ex-Petiolate
	oth like margins of	leaf is known as		
a.	Dentate	b. serrate	c. spinous	d. entire
19. Wh	en more than two	leaves arise from a sir	ngle node it is called as _	phyllotaxy
a.	Whorled	b. Alternate	Opposite-decussate	Opposite-superimposed
20	placenta	ation is found in Malva	ceae	
a.	Axile	b. Marginal	c. Superficial	d. Free central
21. Ma	lvaceae belongs to	o the series	alletzonomspa (L	
a.	Thalamiflorae	b. Disciflorae	c. Calyciflorae	d. Epigynae
22. An	example of perfol	iate leaf base is	eletzonorios il	
a.	Calotropis gigante	ea b. Lonicera sp.	c. Tamarindus indicus	d. Aloe perfoliata
23. The	e arrangement of t	the flowers on an axis i	is called as	Let madma
a.	Phyllotaxy	b. Inflorescence	c. Infructescence	d. Berry
24. Pre	esence of axillary	bud and nodal emerg	gence are the key parame	eters known to define a/an
a.	flower	b. leaf	c. fruit	d: Angiosperm
25. Wh		eaf pointed is called as	300 300 300 300	The east seems: r 141 ft.
		b. Obtuse	C. Tendrillar	d. Mucronate
			C	
Q2.An	swer the followin	g questions (Any 1)		(10 Marks)
		mutanego	adharbri d	EUTOPAS II
1.				neat and labeled diagram.
2.	Explain the Nepl	nrolepis gametophyte	with a neat and labeled d	iagram.
Q3. Ar	nswer the followin	(10 Marks)		
1.	Give an illustrate	ed account of the inter	nal structure of the youn	g and old stem of Cycas.
		ernal structure of the l		inflying agended accyclin
Q4. Ar	nswer the following	ng questions (Any 1)		(10 Marks)
1.	Explain the various type.	ous types of Compound	d leaves, Give suitable ex	amples and diagrams for each
2.				formula and any 2 plants o .S. of flower and T.S. of Ovary.
O5 Sh	ort Notes (Any 4)			(20 Marks)
4	Pamentum of M			(20 1110113)

- 2. Nephrolepis: antheridium
- 3. Pollen grain of Cycas
- 4. Explain the systematic position of Cycas.
- 5. Explain different types of simple cymose inflorescences giving suitable examples and diagrams.
- 6. Explain the various types of leaf shapes with examples and diagrams.