

S H Kelkar Collage Devgad F.Y.B.sc Botany paper -I

Sem -II Examination April 2023

Code No – USBO201, Plant diversity - I

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Duration – 3 hrs.	
N B 1) All questions are compulsory.	
2) Figure to right indicates full marks.	
Draw neat labeled diagrams wherever necessary.	10
Q. 1 A) Rewrite the sentences by choosing appropriate word.	
1) Sida acuta plants belongs to	d) Solanacae
2) Reticulate venation is observed in plant.	d) None
a) syzigium b) Turmeric c) Banana	plant.
a) syzigium b) Turmenc 3) Long narrow leaf called linear lamina type is observed in - a) Grass b) Banyan c) Pistia d) Lotus	
4) are called vascular Cryptogames. a) Algae b) Gymnosperm c) pterido	phytes d) Bryophytes
5) Nephrolepis is included under the division b) Lepidopyta c) Psiloph	ovta d) Pteridophyta
b) anidanita ciranopi	
a) Coniferophyta b) Lepidopyta 6) arises form rhizomatic stem and are extra	axillary in position
7)is the most complex and highly evolved so consist of widely separated vascular bundle in ground ti a) Dictyostele b) Atactostele c) Mixed so consist of widely separated vascular bundle in ground ti b) Atactostele c) Mixed so consist of widely separated vascular bundle in ground ti	ssue. tele d) Plectostele
and flourished well in Mesozoic era. a) Angiosperm b) Pteridophyta c) Gymnosperm d) Bryophytes
a) Aligiosperiii —/	
 9) Rhizopus belongs to the class a) Ascomycetes b) Phycomycetes c) Basidiomycets 	d) None of these
10) is aquatic species of <i>Riccia.</i> a) <i>R.bifurea</i> b) <i>R. glauca</i> c) <i>R. fluitans</i>	d) None of these
 Q. 1. B) Answer the following in one sentence 1. Give examples parallel venation (Plants) 2. Define helicoids cyme inflorescence? 3. Write about economic importance of Cycas 4. How the pollination occur in Cycas? 5. What do you meant by protandrous thallus of Nephro 	olepis



	(20)
Q. 2. Answer any two of the following .	(20)
1. With suitable diagram discuss the Verticillaster inflorescence.	naracters
2. Give distinguishing characters of family Malvaceae and Add a note on its general cl	ialacters
with suitable diagram.	
3. Discuss the family Amaryllidaceae with suitable diagram.	
4. Explain about leaf spines and leaf tendril in detail.	(20)
Q.3. Answer any two of the following.	(20)
1. Describe the external morphology of Nephrolepis.	
2. Write about internal morphology of T.S. of Stolon in Nephrolepis.	
3. Give detail account on Asexual reproduction in Nephrolepis.	
4. Describe advanced types of stele.	
	(20)
Q. 4. Answer any three of the following.1. Give detail account of sporophyte in Cycas.	
2. Describe T.S. of young root of Cycas.	
3. Explain megasporophysis of Cycas.	
4. Give short account on economic importance of gymnosperm.	
Q. 5. Write short note on (Any Four)	(20)
1. Alternate phyllotaxy.	
2. Diagram showing part of typical leaf	
3. Hydathodes	
4 Actinostele	

5. Classification of Cycas with reason.