Total No. of Printed Pages: 2

SUBJECT CODE NO: - Y-2053 FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. F.Y (Sem-II)

Examination March / April - 2023 Botany Paper-V Histology, Anatomy and Embryology

[Tin	ne: 1.30 Hours] [Max. Marl	s: 50
	Please check whether you have got the right question paper.	3
N. B		
	2) Draw neat & well labelled diagrams whenever necessary.	
Q1	What are epidermal tissues? Describe in detail different types of stomata.	20
	OR OR	
	Describe different theories of cellular organization of root and shoot apex.	
Q2	Explain in detail the development of male gametophyte in angiosperms.	20
	S S S OR S S S	E
	Write short note on: - (any 4)	20
	a. Glandular and non-glandular trichomes	
	b. Xylem vessel thickenings	
	c. Anatomy of dorsiventral leaf.	
	d. Functions of phellem, phellogen, phelloderm.	
	e. Contrivances of self-pollinations.	
	f. Anemophily	
Q3	Multiple choice questions.	10
)	1 plants have vessels in xylem.	
	a) Pteridophytes b) Angiosperms c) Algae d) Bryophytes	
	2. Conjoint, collateral & open vascular bundles are found in	
A P	a) monocots b) Dicots	
	c) Both dicots and monocots d) None of the plants	
	3. In Hydrophytes, floating ability is due to the presence of tissue.	
	a) collenchyma b) chlorenchyma	
	c) sclerenchyma d) Aerenchyma	
	4 increase the diameter of stem & root.	
	a) Intercalary meristem b) Apical meristem	
	c) Lateral meristem d) All of the these	
	5. Stomata are the example of	
	a) Secretory tissues b) Permanent tissues	
	c) meristematic tissues d) Epidermal tissues	

	Y-2053
6 tissues are found in all soft plant parts. a) Parenchyma b) collenchyma c) sclerenchyma d) None of the above	
 7. Tunica corpus theory is connected with a) Root apex b) Root cap c) shoot apex d) secondary growths 8. In embryogenesis, fusion of male gamete and polar nuclei results in 	Despt Spring
a) Endosperm b) embryo c) suspensor d) Zygote 9 layer of anther provides nourishment to the sporogenous tissue a) Endothecium b) middle c) Tapetum d) epidermal	the state of the s
10. After fertilisation, seed, coat develops from a) Chalaza b) Ovule c) embryo sac d) Integuments	A CAPTON AND A STATE OF THE STA
	A STORES
EBERT STEP CONTROL STEP SEED STEP STEP SEED STEP SEED SEED STEP SEED SEED STEP SEED STEP SEED SEED SEED SEED STEP SEED SEED SEED SEED SEED SEED SEED SE	
Signal State Charles State Sta	
THE STATE OF THE S	
2 C3A1AFDC95BA73E0CB15A6AF6115551A	
C3A1AFDC95BA73E0CB15A6AF6115551A	