SUBJECT CODE NO: - YY-2382

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CBCGS) (Pattern 2022) F.Y SEM II

Examination April / May - 2024

Botany Paper-V Histology, Anatomy & Embrology Paper-IV [Time: 1:30 Hours] [Max. Marks: 40]

Please check whether you have got the right question paper.

- 1) All questions are compulsory.
 2) All questions carry equal marks.
 - 3) Draw neat diagram and give labels where ever necessary.
 - Q.1 Describe in detail various types of stomata

OR

Explain in Brief.

- a) Tunica corpus Theory
- b) Parenchyma

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- Q.2 Describe primary structure sunflower stem
 - a) Dorsiventral leaf
 - b) Heart wood and sap wood

Q.3 Write short notes on (any two)

- a) Autogamy and Heterostyly
- b) Helobial endosperm
- c) Hydrophily

Q.4 Multiple choice questions.

There are three types of meristematic tissue, apical_____

a) Simple

b) Complex

c) Intercalary

- d) Vascular
- 2. Guard cells controls the opening and closing of_
 - a) Digestive gland
- b) Stomata

c) Trichomes

d) Nectaries

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	a) Polar nuclei	b) Synergids and egg
	c) Antipodal cells	d) None of these
4.	In Angiosperms	functions as female gametophyte.
	a) Pollen grains	b) Nucellus
	c) Ovules	d) Stamens
5.	Histogen theory was put forth by	
	a) Nageli	b) Hanstein
	c) Schmidt	d) Linnaeus
6.	Trichomes and stomata are	*
	a) Simple tissue	b) Complex tissue
	c) Epidermal Tissue	d) Meristematic Tissue
7.	plants.	e are involved in the conduction of water in
	a) Parenchyma	b) Collenchyma
	c) Xylem	d) Phloem
3.	is a example of	vascular cambium.
	a) Primary meristem	b) Secondary meristem
	c) Lateral Meristem	d) Intercalary meristem
).	Pollination takes place through	gh the agency of water is called as
	a) Anemophily	b) Hydrophily
	c) Zoophily	d) Entomophily
0.	The embryo sac is	_ nucleate in polygonum type
	a) Fore	b) Six
	c) Seven	d) Eight