

SECOND MID TERM TEST - 2023

STD - XI

BOTANY

MARKS /55

TIME : 1.30 Hrs

I. Choose the correct Answer.

8 x 1 = 8

1. Histogen theory is proposed by
a) Hanstein b) Schuepp c) Schmidt d) Nageli
2. The term xylem was introduced by
a) Hagell b) Hofmeister c) Strasburgur d) Cleave
3. Sieve tubes are seen in,
a) Angiosperms b) Gymnosperms c) Pteridophytes d) Dicot stem
4. What is the fate of primary xylem in dicot stem showing extensive secondary growth?
a) It is retained in the centre of the axis b) It gets crushed
c) may or may not get crushed d) It gets surrounded by primary phloem
5. Porous wood is seen in
a) Pinus b) Morusrubra c) Acer d) Quercus
6. Usually the monocyledna do not increase their girth, because
a) They possess actively dividing cambium
b) They do not possess actively dividing cambium
c) Ceases activity cambium
d) All are correct
7. What type of transpiration is possible in the xerophyte opuntia?
a) Stomatal b) Lenticular c) Cuticular d) All the above
8. Imbibition theory was first proposed by
a) Unger b) Dixon c) Jolly d) Boehm

II. Answer any four questions

4 x 2 = 8

9. What is prosenchyma?
10. What is steosclerieds?
11. What is vascular cambium?
12. In which season the vessels of angiosperms are larger in size, why?
13. What is diffusion?
14. What is transpiration?

III. Answer any three questions

3 x 3 = 9

15. What is Angular collenchyma?
16. What are the passage cells?
17. What are the Tyloses?
18. What is Perin?
19. What is Osmosis?

IV. Answer any two of the following.

2 x 5 = 10

20. Write the uses of Fibres in our daily life?

(OR)

Write the sieve tubes?

21. Write the differences between sapwood and Heart wood?

(OR)

Explain the experiment of potato osmoscope?

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