

R.S.P.COLLEGE, JHARIA(Belagaria)
Department of Botany

Semester V Internal Examination, 2021

Paper: Core Practical

F.M.= 10

Section A

Choose the correct Answer

[10 x 1 = 10]

1. Living cells placed in isotonic solution (0.9% saline) retain their size and shape. This is based on the concept of
- a) Facilitated diffusion
 - b) Diffusion
 - c) Osmosis
 - d) Transpiration

Answer: c) Osmosis

2. Flower with both androecium and gynoecium are called ?

- a. Bisexual flowers
- b. Anther
- c. Stamens
- d. Unisexual flowers

Answer :a. Bisexual flowers

3. Embryo sac is located inside the

- a. Stigma
- b. Ovule
- c. Micropyle
- d. Style

Answer: b. Ovule

4. Which is correct sequence of part in Ovule from top to bottom?

- a. Micropyle, Nucellus, Chalaza and funicle

- b. placenta, micropyle, Chalaza and hilum
 - c. micropyle, Nucellus, hilum and Chalaza
 - d. micropyle, Chalaza and funicle, micropyle
- Answer: a. micropyle, Nucellus, Chalaza and funicle

5. Living cells placed in an isotonic solution tend to retain their shape and size. This is based on the principle of
- (a) Diffusion
 - (b) Transpiration
 - (c) Osmosis
 - (d) None of the above

Answer: (c) Osmosis

6. The main function of guard cells is to help with _____
- (a) Transpiration
 - (b) Guttation
 - (c) Transcription
 - (d) None of the above

Answer: (a) Transpiration

7. Which of the following is used to determine the rate of transpiration in plants?
- a. Potometer
 - b. Porometer
 - c. auxanometer
 - d. Barometer

Answer: a. Potometer

8. Transpiration helps in
- a. Ascent of sap
 - b. Mass flow of mineral along with water
 - c. Active absorption of water
 - d. Temperature regulation in plants

9. Transpiration occurs from

(a) leaves

(b) stems

(c) all aerial parts

(d) roots

Answer: (c) all aerial parts

10. Basis of stomatal opening is

(a) decrease in cell sap concentration

(b) plasma lies of guard cells

(c) endosmosis

(d) exosmosis

Answer: (c) endosmosis