



INDIAN SCHOOL NIZWA

CLASS XI -BIOLOGY CH 5 MORPHOLOGY OF FLOWERING PLANTS -MCQs

Q1. Venation is a term used to describe the pattern of arrangement of

- (a) Floral organs (b) Flowers in inflorescence
- (c) Veins and veinlets in a lamina (d) All of them.

Q2. Endosperm, a product of double fertilization in angiosperms is absent in the seeds of

- (a) Coconut (b) Orchids

- (c) Maize (d) Castor

3. Match the following

Group A		Group B	
A	Aleurone layer	(i)	Without fertilization
B	Parthenocarpic fruit	(ii)	Nutrition
C	Ovule	(iii)	Double fertilization
D	Endosperm	(iv)	Seed

- a) A—(i), B—(ii), C—(iii), D—(iv)
- b) A—(ii), B—(i), C—(iv), D—(iii)
- c) A—(iv), B—(ii), C—(i), D—(iii)
- d) A—(ii), B—(iv), C—(i), D—(iii)

4. Which among the following is incorrect about different parts of the leaf?

- a) Lamina contains veins and veinlets that transmit water to different regions of the leaf
- b) Petiole is flexible thin structure that helps in fluttering of leaves in the air
- c) Grass is an example of petiolate plants
- d) Legumes have a swollen leaf base called Pulvinus

5. A scar on seed coat through which seed is attached to the fruit is called _____

- a) Cotyledons
- b) Seed coat
- c) Hilum
- d) Micropyle

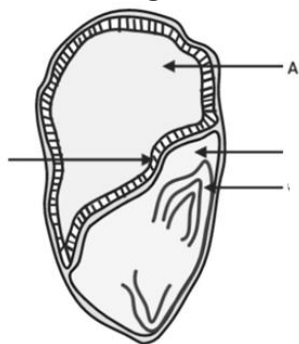
6. Which among the following is not correct about embryo inside the seed?

- a) An embryo contains cotyledons, radicle and plumule
- b) Cotyledons store food and provide nourishment to the developing plumule and radicle
- c) A plumule develops into roots
- d) Cotyledons are also called as seed leaves

7. Embryonic shoot is covered by a protective layer called _____

- a) Coleoptile
- b) Coleorrhiza
- c) Scutellum
- d) Aleurone

8. Which among the following is correct about the structure of a monocotyledon seed ?



- a) a-Endosperm; b-Seed coat; c-Aleurone layer; d-Scutellum; e-Coleoptile; f-Radicle; g-Coleorhiza
 b) a-Scutellum; b-Seed coat; c-Aleurone layer; d-Endosperm; e-Coleoptile; f-Plumule; g-Coleorhiza
 c) a-Scutellum; b-Seed coat; c-Aleurone layer; d-Endosperm; e-Coleorhiza; f-Plumule; g-Coleoptile
 d) a-Endosperm; b-Seed coat; c-Aleurone layer; d-Scutellum; e-Coleorhiza; f-Plumule; g-Coleoptile
9. The edible part of a coconut is the _____
 a) Exocarp
 b) Endocarp
 c) Endosperm
 d) Epicarp
10. vexillary aestivation is usually seen in _____
 a) Dimerous flowers
 b) Pentamerous flowers
 c) Tetramerous flowers
 d) Trimerous flowers
11. Which among the following is incorrect about classification of flowers?
 a) Pea possesses bilateral symmetry
 b) Jasmine is an example of trimerous flower
 c) Papaya is an example of unisexual flower
 d) Hibiscus is an example of pentamerous flower
12. A mustard flower is an example of _____
 a) Actinomorphic flower
 b) Zygomorphic flower
 c) Asymmetric flower
 d) Epigynous flower
13. Write floral formula for a flower which, is Bracteate , bisexual; actinomorphic; sepals five, twisted aestivation, petals five; valvate aestivation; stamens six; ovary tricarpeal, syncarpous, superior, trilocular with axile placentation.
14. Draw the longitudinal section of a maize seed and label all parts.
15. Explain aestivation in plants with suitable diagrams and examples .
16. Write the floral formula of Solanaceae family.