



REVIEW QUESTIONS



Multiple Choice Questions :

1. Put a tick mark (✓) against the correct alternative in the following statements :
- (a) In a germinating seed, the roots develop from :
- | | | | |
|--------------|-------------------------------------|--------------|--------------------------|
| (i) Radicle | <input checked="" type="checkbox"/> | (ii) Plumule | <input type="checkbox"/> |
| (iii) Tegmen | <input type="checkbox"/> | (iv) Hilum | <input type="checkbox"/> |
- (b) In a germinating seed, the shoot develops from :
- | | | | |
|--------------|--------------------------|--------------|-------------------------------------|
| (i) Radicle | <input type="checkbox"/> | (ii) Plumule | <input checked="" type="checkbox"/> |
| (iii) Tegmen | <input type="checkbox"/> | (iv) Hilum | <input type="checkbox"/> |
- (c) Which one of the following is a monocotyledonous seed ?
- | | | | |
|-------------|-------------------------------------|-----------|--------------------------|
| (i) Bean | <input type="checkbox"/> | (ii) Pea | <input type="checkbox"/> |
| (iii) Maize | <input checked="" type="checkbox"/> | (iv) Gram | <input type="checkbox"/> |
- (d) If the cotyledons are pushed above the soil, then such type of germination is called :
- | | | | |
|----------------|-------------------------------------|---------------|-------------------------------------|
| (i) Epigeal | <input checked="" type="checkbox"/> | (ii) Hypogeal | <input checked="" type="checkbox"/> |
| (iii) Perigeal | <input type="checkbox"/> | (iv) Progeal | <input type="checkbox"/> |
- (e) If the cotyledons remain under the soil, then such type of germination is called :
- | | | | |
|----------------|--------------------------|---------------|-------------------------------------|
| (i) Epigeal | <input type="checkbox"/> | (ii) Hypogeal | <input checked="" type="checkbox"/> |
| (iii) Perigeal | <input type="checkbox"/> | (iv) Progeal | <input type="checkbox"/> |
- (f) Pollen is produced in the :
- | | | | |
|--------------|--------------------------|-------------|-------------------------------------|
| (i) Filament | <input type="checkbox"/> | (ii) Style | <input type="checkbox"/> |
| (iii) Pistil | <input type="checkbox"/> | (iv) Anther | <input checked="" type="checkbox"/> |

Short answer questions :- 29/06/21

Q1: Q1Ans

Q1. Giving below is a longitudinal section of a bean seed. Label the parts marked 1 to 5 and write their functions?

ans: i) Testa - It is the outer exposed part of the seed.

ii) Plumule - It is located between the two cotyledons and develops into a shoot.

iii) Radicle - It is located between the two cotyledons and develops into a root.

iv) Micropyle - It absorbs and allows the entry of as much as water as is required for germination.

v) Cotyledon - It stores the food material which is used by the seedling for growth.

2. Name the following :

(a) A seed which shows hypogeal germination.

pea

(b) A monocot seed.

Maize grain

(c) A dicot seed.

Bean seed

(d) A seed which shows epigeal germination.

Bean seed