

Seat No.	
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B.Sc. (Part - I) (Semester - I) Examination, November-2018

SEED TECHNOLOGY - I

Seed Development & Morphology

Sub. Code : 55738

Day and Date : Saturday, 17 - 11 - 2018

Total Marks : 50

Time : 3.00 p.m. to 5.00 p.m.

- Instructions :**
- 1) All question are compulsory.
 - 2) Draw neat labelled diagrams whenever necessary.
 - 3) Figures to the right indicate full marks.

Q1) Rewrite the following sentences by choosing correct alternative. [10]

- a) In cortander the frait type is
 - i) Drup
 - ii) Schizocarp
 - iii) Silique
- b) The development of fruit without fertilization is termedas _____
 - i) Autograpy
 - ii) Allogamy
 - iii) Apomexis
- c) During hypogeal germination the cotyledons remain _____
 - i) Above soil
 - ii) below soil
 - iii) Inside the fruit
- d) Bell Shaped corolla is present in family _____
 - i) Poaceae
 - ii) fobaceae
 - iii) Solanaceae
- e) Botanical name of ground nut is _____
 - i) Zea maxs
 - ii) Glycine max
 - iii) Arachis hyposea
- f) Flowers of Vallisneria are pollinated by _____
 - i) Air
 - ii) Water
 - iii) Birds
- g) Coconut is examples of _____ type of fruit
 - i) Drupe
 - ii) Pome
 - iii) syconus

P.T.O.

- h) Vernalization means treating the seeds with _____
- i) chilling temprature ii) sunlight iii) hot water
- i) Genetic configuration of endosperm tissue is _____
- i) Diplod ii) Triploid iii) polyploid
- j) _____ type of fruit is characterstic of family fabaceae
- i) pepo ii) caryopsis iii) Legume or pod

Q2) Attempt any Two of the following. [20]

- a) Distinguisling characters of family fabaceae and Brassicaceae.
- b) Describe processes of fertilization in Angiosperns.
- c) Describe the structure of pollen grain and explain the development of gametophyte

Q3) Attempt any four of the following. [20]

- a) Autogamy
- b) Hypogeal seed germination.
- c) Development of fruit and seed.
- d) Morphology of maize seed.
- e) Morphology of Groundnut plant.
- f) Polyembryony.

