Seat No.	

B.Sc. (Part - I) (Semester - I) Examination, November-2018
SEED TECHNOLOGY
Plant Breeding (Paper - II)
Sub. Code : 55738

Day and Date : Monday, 19 - 11 - 2018 **Total Marks : 50**
Time : 3.00 p.m. to 5.00 p.m.

Instructions : 1) **All question are compulsory.**
2) **Draw neat and labelled diagrmas.**
3) **Figures to right indicate full marks.**

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

a) Male sterility in crop plant sare the cost of _____

i) weeding ii) emaseulation iii) pesticides

b) Center of origin of soyabean is _____

i) China ii) America iii) Australia

c) In sugarcane _____ is used vegetatively propagating organ

i) Root ii) Stem iii) leaf

d) _____ is vegetatively propogated plant

i) Rice ii) Maize iii) Potatp

e) _____ variety of rice obtain by pedigree method

i) Jaya ii) H.P. 120 iii) Gange

f) Intervarital hybridization two plants of _____ variety.

i) same ii) differant iii) single

g) Two different parent belong to same genus called _____ hybridization

i) Intervarietal ii) Interspecific iii) Intergeneric

h) _____ variety of jawar is obtained by single cross method

i) CSH-1 ii) Malandi iii) Co-4

i) Selected parents are grown seperatlly on isolated plots to aroid ____ pellination

i) self ii) cross iii) Insect

j) _____ is the most important technique in hybridiziation

i) Selfing & parent

ii) Crossing & parents

iii) Selection of parents

Q2) Attempt any <u>two</u> of the following. **[20]**

a) What is hybridization? Describe procedure in detail.

b) What is cross pollination? Explain any two hybridization methods used for improvement of cross pollinating plants.

c) Describe clonal selection? Give merits of clonal selection.

Q3) Attempt any <u>Four</u> of the following. **[20]**

a) Male sterility.

b) Hetrosis.

c) Mass selection.

d) Scope of plant breeding.

e) Objectives of plant breeding.

f) Emas culation.

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