

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 40

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 20 minutes

Full marks : 10

- Note:** 1. Answer in question paper itself.
2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. Fill up the blanks with suitable words (*any ten*):

10×0.5=5

- In Brinjal, for seed production _____ flower is suitable.
- Isolation distance required for foundation seed production in tomato is _____.
- Cross pollination in bhendi is due to _____.
- Pollen viability in rice _____.
- Germination percentage of rice is _____.
- Varalakshmi is the cross of _____.
- The germination where epicotyl grows more than hypocotyl is called _____.
- GEAC stands for _____.
- The colour of the tag of breeder seed is _____.
- The enzyme responsible for colour change of viable seeds during TZ-test is _____.
- Example of composite variety of maize is _____.
- In tomato _____ is used as chemical hybridizing agent.

2. Answer *any five* of the following:

5×1=5

- What is TRIPs?

b) What are the requirements for certified seed?

c) What is vigour index?

d) What is seed quality?

e) What is TZ test?

f) What is seed processing?

g) What is seed moisture test?

B.Sc. (Ag.) Honours Semester-VI Examination, 2017
Course No: SST-321 (Principles of Seed Technology)

Part - II
(Descriptive Type)

Time : 100 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any four* questions.

3. Write in brief about the varietal seed production techniques in maize. 7.5
 4. What is seed certification? Write in brief about different phases of seed certification. 2+5.5=7.5
 5. What is genetic purity? Discuss in brief about different tests of varietal purity. 2+5.5=7.5
 6. Write in brief about the varietal and hybrid seed production techniques in cotton. 7.5
 7. Discuss in brief about seed marketing, structure and organization. Write in brief about factors affecting seed marketing. 4.5+3=7.5
 8. Write short notes on ***any three*** of the following: 2.5×3=7.5
 - a) Egg floatation technique
 - b) Indian Seed Act
 - c) Seed production in chilli
 - d) Classification of seeds
 - e) Synthetic variety
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