

Total No. of Questions :8]

SEAT No. :

[Total No. of Pages : 2

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[5229]-311

M.Sc.- II

BOTANY

**BO - 3.48 : Advanced Seed Technology
(2013 Pattern) (Credit System) (Semester - III)**

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) Attempt any five questions.*
- 2) All questions carry equal marks.*
- 3) Draw neat labelled diagrams wherever necessary.*
- 4) Figures to the right indicate full marks.*

- Q1)** a) Comment on seed quality characteristics. [4]
b) Describe structure of microsporangium. [4]
c) What are Foundation seeds? [2]
- Q2)** a) Discuss on maintenance of breeders seed in self pollinated crops. [4]
b) Give an account of slurry treater. [4]
c) Write on seed germination. [2]
- Q3)** a) Comment on quick viability test. [4]
b) Explain types of seed legislation. [4]
c) What are artificial seeds? [2]
- Q4)** a) Comment on seed certification board. [4]
b) What is roughing? [4]
c) Define seed. [2]

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- Q5)** a) Comment on orthodox and recalcitrant seed. [5]
b) Discuss mechanism of seed transmission. [5]
- Q6)** a) Give preventive measures of seed deterioration. [5]
b) Explain causes of seed dormancy. [5]
- Q7)** a) Write economic importance of seed borne diseases. [5]
b) Give an account of seed vigour and seed ageing. [5]
- Q8)** a) Give an account of production of breeders seeds in cross pollinated crops. [5]
b) Comment on packaging and handling of seeds. [5]

