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NEPWT—216—2024

FACULTY OF SCIENCE

M.Sc. (Second Year) (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2024

BOTANY

SBOTE-503

(Seed Technology-I)

(Tuesday, 17-12-2024)

Time : 2.00 p.m. to 5.00 p.m.

Time—3 Hours

Maximum Marks—60

N.B. :- (i) All questions carry equal marks.

(ii) Question No. 1 is compulsory.

(iii) Solve any 3 questions out of 5.

(iv) Draw neat and well labelled diagrams wherever required.

1. Write brief notes on :

(a) Pollination 4

(b) Seed Vigour 4

(c) Paul Neergaard 4

(d) Aschocyta blight of gram 3

P.T.O.

2. (a) Describe exomorphic and endomorphic characters of seed. 8
- (b) What is seed dormancy ? Describe its types and importance. 7
3. (a) Define seed viability. Describe methods of testing of seed viability. 8
- (b) Explain physical purity test by number and weight of seeds. 7
4. (a) Describe significance and environmental factors affecting seed infections. 8
- (b) Explain general characters of Alternaria and Penicillium. 7
5. (a) Explain in detail symptoms, causal organism, disease cycle of Ergot of Bajra. 8
- (b) Explain in detail symptoms, causal organism, disease cycle of Powdery mildew of Pea. 7
6. Write brief notes on :
- (a) Parthenocarpy 4
- (b) Causes of seed deterioration 4
- (c) Cercospora 4
- (d) Ear cockle 3