

COURSE TITLE: PRINCIPLES OF SEED TECHNOLOGY

COURSE: 243

1. Presently ICAR has _____ breeder seed production units:

- A.45
- B.54**
- C.92
- D.107

2. International Seed Testing Association was organized on:

- A.10-Jul-24**
- B.12-Jul-25
- C.12-Feb-42
- D.10-Feb-24

3. Certification is not required for:

- A.Nucleus seed
- B.Breeder seed**
- C.Foundation seed
- D.Certified seed

4. Physical purity of 95% is permissible for the foundation and certified seed of:

- A.Soya bean
- B.Groundnut
- C.Spinach
- D.Carrot**

5. Contamination permitted in maize is:

- A.1%**
- B.2%
- C.0.10%
- D.0.20%

6. Seed moisture varies from crop to crop in ranges from:

- A.15-20%
- B.30-40%
- C.1-2%
- D.9-12%**

7. The recommended ratio of male rows to female rows is in hybrid bajra production:

- A.2 to 4**
- B.1 to 2
- C.4 to 8
- D.3 to 6

8. Argemone mexicana is an objectional weed in:

- A.Wheat
- B.Barley
- C.Rapeseed/Mustard**
- D.Chick pea

9. Seed certification requires:

- A.An improved variety
- B.Genetic purity
- C.Physical purity

D.All of the above

10. Improved seed includes:

- A.Nucleus seed
- B.Breeder seed
- C.Foundation seed

D.All of the above

11. International Crop Improvement Association (ICIA) in _____ classified seed into different categories:

A.1964

B.1946

C.1963

D.1972

12. Initial seed of an improved variety is called:

A.Nucleus seed

B.Breeder seed

C.Foundation seed

D.Certified seed

13. Cotyledons in gymnosperms are called:

A.Embryo

B.Integuments

C.Mega-gametophyte

D.Endosperm

14. Production of breeder seed in cotton requires an isolation distance of:

A.20 metres

B.30 metres

C.50 metres

D.75 metres

15. Seed coat is derived from:

A.Testa

B.Embryo

C.Endosperm

D.Nucellus

16. Headquarters of the Union for the Protection of New Plant varieties is in:

A.Thailand

B.USA

C.Denmark

D.Switzerland

17. The first private seed came into existence in the year:

A.1918

B.1987

C.1959

D.1912

18. Cotyledons in monocots are called:

A.Endosperm

B.Mega-gametophyte

C.Embryo

D.Integuments

19. The hybrids developed by Government Agencies or Government Institutions and Agricultural Universities are called:

A.Private hybrids

B.Institutional hybrids

C.Public hybrids

D.Government hybrids

20. Breeder seed production units of ICAR producing _____ tonnes of breeder seed:

A.7300

B.37

C.3700

D.73

21. In wheat, production of foundation seed needs an isolation distance of:

A.Three metres

B.Five metres

C.Ten metres

D.Twenty metres

22. Cuscuta is an objectional weed of:

A.Cowpea

B.Berseem

C.Sorghum

D.Lucerne

23. Progeny of a nucleus seed is referred to as:

A.Certified seed

B.Foundation seed

C.Registered seed

D.Breeder seed

24. In flowering plants a second seed coat is known as:

A.Integument

B.Aleurone layer

C.Tegamen

D.Inner ventral scale

25. Freedom from inert matter and defective seeds:

A.Genetic purity

B.Physical purity

C.Defective purity

D.Normal purity

26. Pure Live Seed (PLS) is related to:

A.Physical purity

B.Genetic purity

C.Germination percentage

D.Contamination

27. Breeder seed is _____ % pure:

A.99

B.100

C.70

D.99.99

28. In Bhindi, production of foundation seed needs an isolation distance of:

A.100 metres

B.50 metres

C.200 metres

D.3 metres

29. In sunflower, production of foundation seed requires an isolation distance of (metres):

A.400

B.800

C.200

D.100

30. Breeder seed is the progeny of:

A.Foundation seed

B.Registered seed

C.Nucleus seed

D.Certified seed

31. Plant Breeders' Rights are operating in:

A.Germany

B.Denmark

C.Netherlands

D.All of the above

32.The first symbolic Importance of seed started after the report of Famine Commission in:

A.1881

B.1890

C.1891

D.1892

33. Seed meant for generation distribution to the farmers for commercial crop production refers to:

A.Foundation seed

B.Breeder seed

C.Certified seed

D.Nucleus seed

34. Standards of germination for seed certification in chillies:

A.70%

B.90%

C.80%

D.60%

35. Coloured varieties of rice have _____ aleurone layer:

A.Thinner

B.Thicker

- C.Coarse
- D.Smooth

36. Seed is a:

- A.Immature embryo
- B.Mature embryo**
- C.Developed embryo
- D.Undeveloped embryo

37. TDC came into existence in:

- A.1996
- B.1962
- C.1926

D.1969

38. First private seed company was:

- A.Monsanto
- B.Namdhari
- C.Sutton & Sons**
- D.Takii

39. Physical purity, is permissible (98%) in the crop:

- A.Groundnut
- B.Rice**
- C.Soya bean
- D.Spinach

40. The coarse rice generally has a _____ aleurone layer:

- A.Larger**
- B.Smaller
- C.Bigger
- D.Smoother