1.	Domestication is the process of a) growing the plants in their natural habitat b) Shifting the plants from wild to cultivated condition c)crossing of plants with their wild relatives d) None of the above
2.	Mass selection method is used for a)self pollinated crops b)cross pollinated crops c)For both the crops d) none of the above
<ol> <li>3.</li> <li>4.</li> </ol>	Is called a) test cross b) back cross c) pedigree method d) none of the above  Emasculation is the proces of
5.	a) Removal of gynoecium b) Removal of anthers from flower c) Removal of petald d) Removal o f calyx  Which one is a physical mutagen
a) base analogues,	
b)	acridine dyes
c) Gamma rays	
d) I	None of the above
6. Heterosis or hybrid vigour is	

a) superiority of F1 hybrid in one or more characters over its parents

b) decrease in superior characters c) inceasing variability c)None of the above 7. Term heterosis was coined by a)Watson b)Shull c) Renner d) None of the above 8. Selaction of homozygous plants is a)Mass selection b) pur line selection c) Both a and b d) None of the above 9. Heterosis loss due tocontinuous inbreedingis called a)hybrid vigour b) inbreeding depression c) outbreeding depression d) none of the above 10. Variabilities and adaptation is more in a) self pollinated crops b) cross pollinated crops c)In both the crops d) none of the above 11. Pure line breed refers to a) heterozygosity only

b) homozygosity only
c) homozygosity and self assortment
d) heterozygosity and linkage
12. The quickest method of plant breeding is
a) introduction
b) Selection
c) Hybridisation
d) Mutation Breeding
13. Genetically most pure seed is
a) nucleus seed
b) breeder seed
c) certified seed
d) foundation seed
14. The revolutionary high yielding and disease resistant varieties of important crops are the products of
a) Plant breeding
b) Linkage and cross over
c) Mutation
d) Gene expression
15. Physiological race is
a) Individuals, those are morphologically similar but difffer with respect to their pathogenicity on particular set of host varieties
b) Individuals of same species
c) Individuals, those are morphologically different but have same pathogenicity on particular set of host varieties.
d) None of the above

- 16. For artificial hybridisation experiment in bisexual flower, which of the sequences is correct?
  (a) Bagging → Emasculation → Cross pollination → Tagging
  (b) Emasculation → Bagging → Cross pollination → Tagging
  (c) Cross pollination → Bagging → Emasculation → Tagging
  (d) Self-pollination → Bagging → Emasculation → Tagging
- 17. Who first discovered mutation in Drosophila
- a) Morgan
- b)De Vries
- c) Walker
- d) None of the above
- 18. Gene mutation or mutation at molecular level
  - a) Frame shift mutations
  - b) Spontaneous mutations
  - c) Point mutations
  - d) None of the above
- 19. Physical or chemical agents which greatly enhance the frequency of mutation are called
- a) Catalyst
- b) Mutagen
- c) Enhancer
- d) None of the above
- 20. The process of shifting hydrogen atoms from one position to another in a purine or pyramidine base in called
- a) Ionization
- b) Tautomerization
- c) Depurination
- d) Deamination
- 21. The genetic improvement of crop plants for various economic characters through the use of induced mutations is called
- a) Disease resistance
- b) Hybridization
- c) mutation breeding
- d) None of the above
- 22. The plant variety protected in India include
- (a) Extant variety

- (b) Essentially derived variety (c) Farmer's variety (d) All the above (a) New
- 23. To register a plant variety, it should be
- (b) Distinct
- (c) Uniform
- (d) All the above
- 24. Certification is not required for
- a) Nucleus seed
- b) Breeder seed
- c) Foundation seed
- d) Certified seed
- 25. Breeder seed is the progeny of
- a) Foundation seed
- b) Registered seed
- c) Nucleus seed
- d) Certified seed
- 26.Improved seed includes
- a) Breeders
- b) Nucleus
- c) Foundation
- d) All of the above
- 27. Which of the following is not a commercial class of seed?

producer

foundation

registered

breeder

28. Seed test that provides information on weed seed and inert material is called:

wholesomeness test purity test clean seed test viability test