

- c. 12
- d. 9
7. The cultivated banana is
- a. diploid
 - b. allotetraploid
 - c. autotriploid
 - d. allotriploid
8. NBPGR is responsible for the introduction and maintenance of germplasm of
- a. agriculture crop
 - b. agriculture and horticulture crop
 - c. horticulture crop
 - d. none of these
9. The introduction of quinine and rubber trees in India was arranged by
- a. East India company
 - b. forest research institute
 - c. botanical survey of India
 - d. Kew botanic gardens
10. The quickest variety method for developing an improved variety is
- a. primary introduction
 - b. mass selection
 - c. secondary introduction
 - d. domestication
11. Germplasm is also called
- a. gene pool
 - b. genetic resource
 - c. gene bank
 - d. world collection
12. Tobacco germplasm collection is maintained at
- a. Rajahmundry
 - b. new delhi
 - c. dharwar
 - d. patna

13. Rice germplasm is maintained at

- a. new delhi
- b. Hyderabad
- c. cuttack
- d. Srinagar

14. Soybean, brinjal, radish, and buckwheat originated in

- a. central American center of origin
- b. china center of origin
- c. central asia Centre of origin
- d. asia minor centre of origin

15. Maize , pumpkin , rajma and sweet potato originated in

- a. centre of origin
- b. central American centre of origin
- c. Hindustan centre of origin
- d. Mediterranean centre of origin

16. Pigeonpea, rice, chickpea, mungbean and cowpea originated in

- a. centre of origin
- b. central American centre of origin
- c. Hindustan centre of origin
- d. Mediterranean centre of origin

17. In India cotton germplasm collection is maintained at

- a. Bombay
- b. Nagpur
- c. Coimbatore
- d. new delhi

18. Disease is produced by

- a. fungi and bacteria
- b. viruses and nematodes
- c. bacteria and nematodes
- d. all of the above

19. The concept of gene – for – gene relationship between host and pathogen was proposed by

- a. van der plank

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54. Biffin in 1905 announced, that resistance to yellow rust of wheat is governed by _____ gene in crosses:

A. Single dominant

B. Single recessive

C. Double dominant

D. Double recessive

55. Bread wheat is:

A. Haploid

B. Diploid

C. Tetraploid

D. Auto-allopolyploid

56. Bulk population breeding is suitable for:

A. Fruit crops

B. Vegetable

C. Small grains

D. Flower crops

57. Carolus Linnaeus is credited with introducing the:

A. Law of limiting factors

B. Law of independent assortment

C. Binomial system of nomenclature

D. Laws of inheritance

58. . Cauliflower, cabbage, broccoli, kohlrabi and brussels sprouts have been derived from wild cabbage that, still grows in coastal regions of:

A. Latin America

B. Mesopotamia

C. Europe and N. Africa

D. South Asia and South Africa

59. Chromosome numbers in somatic cells of a maize plant are:

A. 22

B. 26

C. 14

D. 20

60. CIMMYT is located at:

A. Mexico

B. England

C. Spain

D. Nigeria

61. Cleistogamy encourages:

A. Self pollination

B. Cross pollination

C. Apomixes

D. Inbreeding depression

62. Clone in general is:

A. Homozygous

B. Heterogeneous

C. Heterozygous

D. None of the above

63. Composites are developed by using:

A. Advanced generation seed mixtures obtained from high yielding intervarietal or interracial crosses

B. Hybrid directly from intervarietal crosses

C. Recurrent selection for specific combining ability

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A. Inbred lines

B. Isoline

C. Pure lines

D. Single plants derived from crosses and/or germplasm

134. The male sterile line is a cross to produce hybrid seed is known as:

A. A line

B. R line

C. C line

D. None of them

135. The mechanism of male sterility in self-pollinated crops can be successfully utilised to obtain:

A. Selfed seed treatment

B. Mutated seed without radiation

C. Hybrid seed without emasculation

D. Sterile seed

136. Which of the following breeding procedures are not used for producing new varieties of self-pollinated crop?

A. Recurrent selection

B. Mass selection

C. Pure line selection

D. Hybridization

137. The number of chromosome in common wheat is:

A. 36

B. 38

C. 48

D. 42

138. The seeded fruit of rice or maize grain is called:

A. Berry

B. Pepo

C. Silique

D. Caryopsis

139. The physical basis of heredity is termed as:

A. Gene pool

B. Gene frequency

C. Germplasm

D. None of the above

140. The production of double cross hybrid in maize was first suggested by:

A. Shull

B. East

C. Jones

D. Hull

141. The proportion of one allele as represented in a breeding population is known as:

A. Gene frequency

B. Gene pool

C. Both of the above

D. None of the above

142. Which is a common method used in cross-pollinated crops?

A. Mass selection

B. Bulk method

C. Pure line method

D. Pedigree method

143. The scientific name of bread wheat is:

A. T. durum

B. T. dicoccum