



BIOLOGY

BOOKS - MBD BIOLOGY (ODIA ENGLISH)

IMPROVEMENT IN FOOD PRODUCTION

Question Bank

1. The method of obtaining homozygous plants is :

A. Mass selection

B. Clonal selection

C. Pure-line selection

D. Hybridization

Answer: C



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2. Plants propagated vegetatively from a single original stock are called _____.

A. Propagule

B. Hybrid

C. Heterosis

D. Clone

Answer: D



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3. Study of floral characters and timing of processes involved in fertilization in natural condition is called :

A. Anthesis

B. Heterosis

C. Emasculation

D. Introduction

Answer: A



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4. Which of the following is not used for crop improvement ?

A. Introduction

B. Inbreeding

C. Hybridisation

D. Mutations

Answer: B



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5. Heterosis is :

- A. Hybrid inviability
- B. Hybrid sterility
- C. Hybrid vigour
- D. Hybrid incompatibility

Answer: C



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6. Inbreeding is possible between two members of :

A. Order

B. Family

C. Genus

D. Species

Answer: D



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7. Improved rice variety IR-8 has been introduced in India from:

A. Taiwan

B. Japan

C. Philippine

D. Bangladesh

Answer: C



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8. Hybrid vigour is due to :

A. Crossing over

B. Linkage

C. Chiasma

D. Heterozygosity

Answer: D



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9. Triticale, the first man made cereal crop, has been obtained by crossing wheat with :

A. Pearl millet

B. Sugarcane

C. Barley

D. Rye

Answer: D



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10. Which of the following is generally used for induced mutagenesis in crop plants ?

A. X-ray

B. UV light

C. Gamma ray

D. Alpha particles

Answer: C



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11. Golden rice is a promising transgenic crop.

When released for cultivation, it will help in :

A. Producing a petrol-like fuel from rice

B. Alleviation of vitamin A deficiency

C. Pest resistance

D. Herbicide tolerance

Answer: B



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12. Norman Borlaugh, known as father of green revolution, has developed new cultivation variety of :

A. Wheat

B. Rice

C. Maize

D. Rye

Answer: A



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13. Simplest form of selection in cross-pollinated is :

A. Pure -line selection

B. Pedigree selection

C. Random selection

D. Mass selection

Answer: D



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14. In maize , hybrid vigor is exploited by :

A. Inducing mutations

B. Bombarding the protoplast with DNA

C. Crossing of two inbred parental lines

D. Harvesting seeds from the most
productive plants.

Answer: C



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15. Removal of stamens flower before the anthers mature ?



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16. Superiority of the hybrid over both the parents in respect of one or more characters.



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17. Study of floral characters and timing of processes involved in fertilization in natural condition is called :



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18. Process of crossing between genetically dissimilar organisms.



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19. _____ is the oldest plant breeding method practised for crop improvement.



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20. Vegetatively propagated plants are selected by _____ method.



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21. Pure line selection is used in _____ pollinated crop.



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22. Triticale is a hybrid between wheat and _____.



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23. Artificially induced _____ are useful in hybridization programme.



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24. _____ is a hybrid between radish and cabbage.



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25. Plant selection is usually based on physiological characters.



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26. Clonal selection is applied in cross pollinated crops.

A. True

B. False

C.

D.

Answer: Mass selection



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27. Raphanobrassica is an example of intraspecific hybridization.

A. True

B. False

C.

D.

Answer: intergeneric



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28. During plant breeding programme ,
emasculatation is followed by pollination.

A. True

B. False

C.

D.

Answer: bagging



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29. If the hybrid do not passes some of the desired characters of parent, they are grafted with the particular parent possessing these characters. What is this called?



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30. Bread wheat is a naturally occurring autoteraploid.



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31. DISTINGUISH BETWEEN : Mass selection and pure line selection



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32. DISTINGUISH BETWEEN : Hybrid vigour and inbreeding depression.



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33. Identify the edible fresh water teleost?

A. Shark

B. Catla Catla

C. Rays and skates

D. Hilsa hilsa

Answer: B



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34. Earliest animal to be domesticated by primitive man is :

A. Goat

B. Dog

C. Horse

D. Cat

Answer: B



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35. Which of the following is given cows to give more milk ?

A. Sorbitol

B. prolactin

C. Gonadotropin

D. Stilbestrol

Answer: D



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36. Which one of the following is the indigenous breed of chicken ?

A. Plymouth rock

B. White leghorn

C. Aseel

D. TSH

Answer: C



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37. Which of the following brings depression in the cattle ?

- A. Inbreeding
- B. Out - breeding
- C. Out-crossing
- D. Cross- breeding

Answer: A



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38. Which of the following brings depression in the cattle ?

- A. Inbreeding
- B. Out-breeding
- C. Out-crossing
- D. Cross- breeding

Answer: A



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39. Main sugar present in honey is :

A. Maltose

B. Levulose

C. Dextrose

D. Ribose

Answer: B



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40. Mule is an example of :

A. Inbreeding

B. Out-breeding

C. Cross-breeding

D. Interspecific by hybridization

Answer: D



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41. MOET is a method of :

A. Fish cultivation

B. Cloning of sheep

C. Hybridisation of cattle

D. Birth control of human

Answer: C



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42. The world's highly prized wool yielding, 'pashmina' breed is :

A. Sheep

B. Goat

C. Horse

D. Cow

Answer: B



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43. Name of Norman Borlaug is associated with:

A. Green revolution

B. Yellow revolution

C. White revolution

D. Blue revolution

Answer: A



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44. Bull's semen is stored in :

A. ICE

B. Licquid N_2

C. Licquid CO_2

D. Licquid O_2

Answer: B



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45. Protein content in hen's egg is :

A. 10.6

B. 12.9

C. 14.6

D. 16.6

Answer: B



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46. In honey bee royal jells is secreted from:

A. crop gland

B. wax gland

C. pharyngeal gland

D. salivary gland

Answer: C



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47. Which one of the following species of honey bee are reared in artificial hives ?

A. *Apis indica*

B. *Apis dorsata*

C. *Apis florea*

D. None of these

Answer: A



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48. The best milch breed in the world is :

A. Chittagong

B. Deoni

C. Holstein-Friesian

D. Sindhi

Answer: C



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49. Life span of worker bee is :

A. 10 days

B. 15 days

C. 6 weeks

D. 10 weeks

Answer: C



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50. In honey bees , drones are produced from :

A. Unifertilised egges

B.

C. Fertilised eggs

D. Larvae fed by royal jelly

Answer: A



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51. Honey mainly consists of :

A. Monosacharides

B. Disaccharides

C. Polysaccharides

D. Fats

Answer: A



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52. Murrah, Meshsana, Jaffrabadi are breeds of :

A. Buffalo

B. Cow

C. Cattle

D. Horse

Answer: A



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53. What term is used for domestic animals which provide milk and flesh ?



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54. Name the milch breed of cows in Punjab and Haryana .



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55. Which is the best milk yielding exotic breed ?



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56. Which is the best dual purpose breed of Switzerland ?



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57. What term used for egg laying domesticated fowls ?



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58. What term is used for meat yielding fowls ?



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59. The fertile female honey bees are called what ?



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60. The sterile female honey bees are called what ?



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61. The fertile haploid male honey bees are called what ?



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62. What substances are the maximum composition of honey ?



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63. Which honey bee secrete bee wax ?





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64. Nosema disease is a disease of which animal ?



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65. Which fish is the fastest growing major carp ?



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66. What term is used for induced breeding of fish ?



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67. What are the two main components of cattle feed ?



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68. Name the branch of biology dealing with all aspect of domesticated animals.



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69. Who is known as the father of white revolution ?



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70. Name two high milk yielding cross breeds of cows .



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71. Name two indigenous breeds of fowl.



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72. Where is Central Avian Research Centre located?



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73. _____ are the bird growing for providing meat.





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74. The latest techniques of improvement of cattle is _____.



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75. _____ are the young of fish which come out of eggs.



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76. Stimulation of a good female animal to release more eggs is called _____



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77. _____ breed of animals are introduced in an area from an outside country.



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78. Milk yielding breed of cattle are called _____.



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79. CIFA is located at _____.



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80. The sterile female honey bees are called what ?



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81. *Apis mellifera* is commonly called _____.



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82. _____ is commonly called Indian bee.



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83. Drone is a fertile female.



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84. Workers develop from unfertilised eggs.



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85. Nosema is disease of cows.



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86. Rearing of fish is called poultry.



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87. Breeds introduced in an area from an outside country is called heterosis.

A. True

B. False

C.

D.

Answer: Exotic



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88. Odisha is an Indian state with maximum broiler and egg production.



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89. Pashmina is derived from goats of odisha.



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90. Blue revolution is rapid increase in milk production.



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91. Silver revolution is rapid increase in fish production.



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92. Nursery bees, cleaners,builders,repairers and fanners are drones.



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93. What is livestock ?



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94. Mention breeds of Indian Cattle.



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95. Mention breed of Indian Buffaloes.



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96. Mention famous goat breed of India.



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97. What are the poultry product ?



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98. What are the product of honey bee ?



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99. What are the composition of honey ?



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100. What are the uses of honey?



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101. What you mean by social organisation of honey bee ?



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102. What are milch breeds ? Give suitable examples.



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103. What is drought breed ? Give suitable examples.



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104. What is induced breeding ?



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105. What are the culturable fresh water fishes in Indian ?



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106. Write short notes on : Animal breeding



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107. Write short notes on : Cattle farming



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108. Write short notes on : Poultry farming



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109. Write short notes on : Bee keeping



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110. Write short notes on : Pisciculture



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