



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



SOLUTION – 64

Class: XII

Sub: Biological Science

Date: 01.02.2021

Topic: Ch 09 (part 2) Plant breeding and hybridization

F.M. : 15

Choose the correct option:

(1x15=15)

1. The pioneer of Green revolution in India was:
a) Verghese Kurien b) **M.S. Swaminathan** c) Satyendra Nath d) Shanti Swaroop
2. The traits which are considered by plant breeders is/are:
a) Increase in crop yield b) disease resistance c) increased tolerance to salinity d) **all of these**
3. The entire collection of plant or seeds having all genes in a crop is called
a) preservation b) **germplasm collection** c) plant breeding d) all of these
4. Evaluation and selection in plant breeding includes :
a) identify plants with desirable characters b) multiplication of selected plants c) creation of purelines d) **all of these**
5. Superiority of hybrid off springs more than either of parents or both the parents is called:
a) Hybrid vigour b) heterosis c) hybrid breeding d) **both (a) and (b)**
6. Example of high yielding variety of wheat is:
a) Sonalika b) Kalyan Sona c) Puja Tejas d) **all of these**
7. Red rot of sugarcane is brought about by the causal organism is:
a) **Colletotrichum falcatum** b) *Xanthomonas campestris* c) *Albugo candida* d) *Alternaria solani*
8. In plant breeding for a disease resistance variety the following parameter is important:
a) Determination of genetic constitution of host b) details of causal organisms c) mode of transmission d) **all of these**
9. The following is the name of a semi dwarf variety of rice which was developed at International Rice Research Institute from which Indian high yielding varieties were made:
a) **IR -8** b) Kalyan sona c) IR 10 d) IR 12
10. Following is not a high yielding varieties of rice produced in India :
a) Jaya b) Ratna c) **Sonalika** d) none of these
11. The variety of wheat is resistant to Leaf and stripe rust disease.
a) **Himgiri** b) Karan c) Pusa Komal d) both (a) and (c)
12. Mutation breeding is brought about by:
a) gamma radiations b) sodium azide c) X rays d) **all of these**

13. Pusa Sem 2 variety of flat bean is developed which is resistant to the following pest:
a) Jassids b) Aphids c) fruit borer d) all of these
14. Pusa Gaurav is a variety of which is resistant to Aphids.
a) flat beans b) okra c) rapeseed mustard d) wheat
15. The resistance to maize stem borers in developed variety of maize is due to:
a) High aspartic acid b) low nitrogen content c) low sugar content d) all of these

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