



ST. LAWRENCE HIGH SCHOOL
A JESUIT CHRISTIAN MINORITY INSTITUTION



SOLUTION – 04

Class: IX

Sub: Life Science

Date: 25.01.2021

Topic: Applications of Modern Biology and Biodiversity F.M. : 15

Choose the correct option:

(1x15=15)

- The process of plant breeding involves:
a) polyploidy b) hybridisation c) transformation d) **Both (a) and (b)**
- Increase in the chromosome numbers results in the increase of:
a) Size of the fruit b) yield of the crops c) crop vigour d) **all of these**
- The hybrid tomatoes which have longer shelf life are called:
a) Super tomatoes b) **Flavr Savr tomatoes** c) Hi Flavr tomatoes d) all of these
- The substance which induces polyploidy by not allowing the formation of spindle fibres is called:
a) Spirulin b) **Colchicine** c) microtubulin d) none of these
- Golden rice has gene for vitamin A production.
a) **Beta carotene** b) alpha carotene c) delta carotene d) xanthophyll
- Bt cotton produces Bt toxin which is, also known as protein which destroys pest insects.
a) **cry** b) nif c) chlorellin d) phenol containing
- Biopesticides are developed from the following organisms:
a) Viruses b) fungi c) bacteria d) **all of these**
- The targeted delivery of drugs takes place by the following molecules:
a) **Liposomes** b) chromosomes c) sphaerosomes d) all of these
- The bacteria which helps in the fermentation of milk into curd is:
a) *Bacillus* b) ***Lactobacillus*** c) *Bacillus subtilis* d) *Streptomyces*
- The anticancer drugs which are developed against cancer fights cancer by:
a) stopping metastasis b) **degrading tumour cells** c) by making the normal cells out compete the cancerous cells d) all of these
- Single celled protein which is rich in protein and minerals is :
a) ***Spirulina*** b) *Spirochaetae* c) *Chlorella* d) *Saccharomyces*
- The green algae which is sent to the space in space ships:
a) *Spirulina* b) ***Chlorella*** c) *Chlamydomonas* d) all of these
- Chlorella* is used in space ships for:
a) Cleaning the space ship b) for aesthetic purpose c) **for providing oxygen** d) for checking air pressure

14. Following is not a level of Biodiversity:
a) Genetic b) species c) ecosystem **d) population**
15. The type of diversity which includes the total number of individuals found in a particular geographical area is called:
a) genetic **b) species** c) ecosystem d) all of these

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