

Class: IX
Subject: Biology
Topic: Improvement In Food Resources
No. of Questions: 20
Duration: 60 Min
Maximum Marks: 60

1 Potato tuber wash and iodine solution placed together change their color to

- a) Blue-black
- b) Blue
- c) Brick red
- d) Magenta

Ans. A) Starch is present in potato which gives positive result to iodine.

2 Which of the following is an Italian bee variety?

- a) Apismellifera
- b) Apisdorsata
- c) Apis florum
- d) Apiscerana indica

Ans. A) Apis mellifera (Italian bee) is a type of Western honey bee. Apis dorsata, is the Himalayan honey bee. Apis florum is the Asian dwarf honey bee. Apis cerana indica is the Indian honeybee

3 Which one of the following combinations are most suitable for composite fish culture?

- a) Surface feeders and bottom feeders
- b) Middle zone feeders and bottom feeders
- c) Surface feeders only
- d) Surface feeders, middle zone feeders and bottom feeders

Ans. D) Composite fish culture system is a technology developed in India.

4 Poultry farming is undertaken for

- a) Egg and feather production
- b) Feather and chicken meat
- c) Egg and chicken meat
- d) Milk and egg

Ans. c) Practical application.

5 Which one of the following is not a weed?

- a) Xanthium
- b) Amaranthus
- c) Chenopodium
- d) Finger millet

Ans. d) Finger millet is a type of cereal.

6 Culture of marine fin fish is called

- a) Mariculture
- b) Pisciculture
- c) Aquaculture
- d) None

Ans. A) Pisciculture is fish farming which is a type of aquaculture. Mariculture is also a type of aquaculture done in ocean.

7 Wetting arhar/tuar dal with water makes the latter yellow because of

- a) Yellow powder
- b) Yellow pigment from dal
- c) Adulterant metanil
- d) Kesari dal

Ans. C)

8 Which one of the following is the sign of purity of food item?

- a) Agmark
- b) ISI
- c) NAFED
- d) HAFED

Ans. a) AGMARK is a certification mark employed on agricultural products in India

9 Metanil yellow causes

- a) Stomach ulcers
- b) Diarrhoea
- c) Cancer
- d) Paralysis

Ans. d) Metanil yellow is toxic and carcinogenic

10 A plant cell has potential to develop into full plant. This property of the plant cell is called

- a) Tissue culture
- b) Totipotency
- c) Pleuripotency
- d) Gene cloning

Ans. B) Totipotent cells can differentiate into any type of cell.

11 Cultivation of Bt cotton has been much in the news. The prefix “Bt” means

- a) “Barium treated” cotton seeds
- b) “Bigger thread” variety of cotton with better tensile strength
- c) Production of “biotechnology” using restriction enzymes and ligases
- d) Carrying an endotoxin gene from *Bacillus thuringiensis*

Ans. D) Bt cotton is a disease resistant variety.

12 Silkworm silk is the product of

- a) Salivary gland of larva
- b) Cuticle of adult
- c) Cuticle of larva
- d) Salivary gland of adult

Ans.a) Silkworm silk is the product of Salivary gland of larva.

13 Major drawback of DDT as a pesticide is that

- a) Organisms at once develop resistance to it
- b) It is significantly less effective than other pesticides
- c) Its cost of production is high
- d) It's not easily and rapidly degraded in nature

Ans. d) DDT is non-biodegradable.

14 Rhizobium is present in

- a) Soil
- b) Root nodules of legumes
- c) Stem nodules
- d) Tumors of leaf

Ans. A) Rhizobium helps in nitrogen fixation.

15 Nobel Prize was awarded to Paul Muller on the discovery of which of the following pesticides?

- a) Malathion
- b) Parathion
- c) Pyrethrum
- d) DDT

Ans. D) fact

16 The carnivorous fish Gambusia, introduced in the lakes, ponds, etc., control a deadly disease in India, feeds on the larvae of

- a) Nephantis
- b) Dragonfly
- c) Mosquitos
- d) All of these

Ans. c) fact

17 Fish which eradicates the mosquito larvae is

- a) Anabus
- b) Rohu
- c) Gambusia
- d) Cutter fish

Ans. c) Refer to question 16.

18 Which of the following is a biofertilizer?

- a) VAM
- b) Sporeine
- c) Devine
- d) Agent Orange

Ans. a) Practical application

19 Which of the following is an improved variety of wheat?

- a) A.77
- b) Sonalika
- c) Chandramukhi
- d) Kuber

Ans. B) Sonalika was developed in a north Mexico state called Sonora

20 Which of the following is not used for crop improvement?

- a) Inbreeding
- b) Introduction
- c) Hybridization
- d) Mutations

Ans. a) Inbreeding is done in animals for improvement.

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