

IITJEE Foundation Practice paper

IMPROVEMENT IN FOOD RESOURCES

class-9-Science Number of Questions: 80

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1

Increased food-grain production is known as ____.

- blue revolution white revolution yellow revolution green revolution

2

Who is the father of white revolution?

- Swaminathan Kurien Norman Borlaug Lindeman

3

Cereals are rich in

- proteins fats carbohydrates vitamins

4

From the following which is not an example for the pulses?

- black gram pigeon pea mustard lentil

5

Farming without the use of chemicals as fertilizers, herbicides and pesticides is known as

- mixed farming organic farming crop rotation none of the above

6

The Rabi crops grown from ____ to ____ .

- june to october may to august november to april january to may

7

From the following which is the Kharif crop?

- wheat pea rice linseed

8

Growing two or more crops in definite row pattern is known as

- hybridisation mixed cropping crop rotation inter-cropping

9

From the following which is not the factor for the crop variety improvement.

- wider adaptability higher yield improved quality financial assistance

10

Who is the father of green revolution in India?

- Norman Borlaug Kurian M.S.Swaminathan Rajendran

11

Triple dwarf mexican varieties of wheat were developed by _____ through incorporation of mutations by selective hybridization.

- M.S.Swaminathan V.Kurian Norman Borlaug Maze

12

In which form the new crops are introduced?

- seeds bulbs cutting all of the above

13

How many elements or nutrients are essential for plant growth and development?

- sixteen thirteen six seven

14

The nutrients which are required in large quantities are called

- micro-nutrients macro-nutrients both a and b none of these

15

From the following which is not the micro nutrient.

- molybdenum magnesium manganese zinc

16

From the following advantages of manures which one is incorrect?

- organic matter in manures provides food for bacteria, fungi etc.,
 manures are bulky with low nutrient manures prevent water logging in clay soils
 manures enrich the soil with nutrients

17

Compost is prepared by using _____ to hasten the process of decomposition of plant and animal refuse.

- falworm centipedes millipedes earthworm

18

From the following one plant is not the example for the green manure.

- sun hemp guar horse gram lilly

19

The botanical name of Sunn Hemp is _____.

- Lens culinaris Crotalaria juncea Vigna sinensis Sesbania aculeata

20

Dolichos uniflorus is the botanical name of _____.

- black gram green gram horse gram red gram

21

Which one of the following nutrients is not available in fertilizers?

- nitrogen phosphorus potassium sulphur

22

_____ is a symbiotic association of certain fungi with roots of higher plants.

- Rhizobium mycorrhiza blue green algae none of the above

23

_____ is growing two or more crops simultaneously on the same piece of land.

- intercropping crop rotation mixed cropping crop management

24

From the following which is not the example for mixed cropping.

- wheat + gram groundnut + sunflower wheat + mustard soyabean + maize

25

Planting soyabean and maize in alternate rows in the same field is called_____.

- intercropping mixed cropping crop rotation none of the above

26

Which of the following statement is incorrect about crop rotation?

- legumes are included in the crop rotation programme
 depending upon the duration crop rotation is done
 availability of moisture and irrigation decide the choice of crop
 crops are grown simultaneously in definite pattern

27

From the following which are the weeds.

- 1) Xanthium
- 2) Lentil
- 3) Soyabean
- 4) Parthenium

- two and three two and four one and four three and one

28

Grapes,apples,pear,watermelon,radish,onion and maize have been

improved by _____ method.

- pure-line selection introduction mass selection hybridization

29

From the following which is the inorganic nitrogenous fertilizer?

- urea ammonium nitrate Ammonium sulphate none of the above

30

From the following which is the disadvantage of fertilizer?

- fertilizers supply N, P, K they are used for good vegetative growth
 they are one of the components for higher yields
 they cause water and soil pollution

31

Match the following

- 1) Red rot a) wheat
2) Blast b) chick pea
3) Rust c) sugar cane
4) Wilt d) rice

- 1-c, 2-d, 3-a, 4-b 1-a, 2-b, 3-c, 4-d 1-d, 2-b, 3-a, 4-c 1-b, 2-c, 3-d, 4-a

32

From the following one is not controlling method of weeds that is,

- internal feeders cultural methods weedicides uprooting

33

Arrange the following statements in correct sequence of respiration of green manure:

- (a) green plants are decomposed in soil
(b) green plants are cultivated for preparing manure
(c) plants are ploughed and mixed in soil
(d) after decomposition, it becomes green manure

- a-b-c-d b-c-a-d d-a-c-b c-a-b-d

34

The disease "the leaf spot of rice" is _____ borne disease.

- water air seed soil

35

From the following which one is the insecticide?

- atrazine malathion fluchloralin none of the above

36

Crossing between genetically dissimilar plants to produce new variety with high yield and other desirable characters is _____.

- introduction mall selection artificial selection hybridization

37

Which one of the following is nutrient specific?

- manure fertilizer compost none of the above

38

Which of the following factor is not responsible for losses of grains during storage?

- squirrels moisture black poison tablets mites

39

From which of the following sources plants get nutrients?

- air water soil all of the above

40

From the statements given below which is incorrect about the ways of insect pests attack the plants?

- insect pests cut the root, stem and leaf
 insect pests suck the cell sap from various parts
 insect pests bore into stem and fruits none of the above

41

Bubalus bubalis is the generic name of

- cow bull buffalo goat

42

From the following which is not the milch-animal.

- cow she buffallo goat ox

43

Lactation period is maximum in ____.

- Sahiwal Freiswal Red Sindhi Holstein-Friesian

44

Maximum milk yielding buffalo is

- Murrah Mehsana Surti Sindhi

45

Which of the following is an exotic breed of cow?

- Red sindhi Sahiwal Gir Jersey

46

Mehsana is a cross breed between ____ and ____.

- Gir and Surti Murrah and Surti Red Sindhi and Gir Murrah and Jersey

47

What is the yield of milk from Murrah during lactation period?

- 1000 to 2000 litres 1800 to 2500 litres 800 to 1800 litres 1500 to 2500 litres

48

From the following which is the bacterial disease of a domestic animal that can be transmitted to human beings?

- Anthrax Amoebiasis Ringworm Rabies

49

From the following which is not necessary for cattle?

- proper cleaning and shelter are required for humane farming
 they require regular brushing to remove dirt and loose hair
 they need balanced raions containing all nutrients
 veterinary doctor assistance is not necessary

50

Milk production can be increased by increasing the

- no. of cattle hygienic conditions lactation period
 amount of food requirements

51

Large increase in egg production in India has been named _____.

- egg revolution silver revolution poultry revolution none of the above

52

From the following which is the indigenous breed of poultry?

- White Leghorn Aseel both a and b none of the above

53

Exotic breed of poultry bird having high egg laying capacity is

- White leghorn Light Sussex Black Minorcha Rhode Island Red

54

From the following statements which is incorrect about the production of Broilers?

- chickens are raised upto 6 to 7 weeks in the poultry farm
 they are fed with vitamin rich supplementary
 they grow to a weight of 700 gm to 1.5 kg they are produced as layers

55

From the following which is the cross breed or improved breed of poultry?

- Aseel Rhode Island Red ILS-82 Light Sussex

56

The period from sexual maturity till the end of egg laying is called

- growing period laying period both a and b none of the above

57

From the following which one is not the disease caused to the poultry?

- dermatitis tuberculosis anthrox aspergillosis

58

From the following which is the popular variety of Aseel?

- kajal yakub both and b none of the above

59

From the following statements which is incorrect about the layers?

- layers requie food with vitamins, minerals and micronutrients
 these are egg laying birds they are maintained for getting meat
 they start laying eggs at the age of 20 weeks

60

Rhode Island Red is a breed of fowl was developed from which country?

- china USA UK Japan

61

Fish liver oil is rich in which of the vitamins.

- A and D only A only D D and K

62

Total fish production in India occupies _____ position in the world.

- third fifth seventh ninth

63

From the following species of fishes which one is the surface feeder?

- common carp rohu catla catla grass carp

64

From the following which one is the species of exotic carps?

- catla catla rohu grass carp mrigala

65

What is the technical name of rohu?

- Cirrhinus mrigala Labeo rohita catla catla Cyprinus carpio

66

The Cirrhinus mrigala is a _____ using decaying plants and detritus.

- surface feeder bottom feeder column feeder none of the above

67

From the following which is not an important factor for fish culture?

- soil quality water resources location of pond financial stability

68

_____ is the rearing and breeding of fishes under controlled conditions.

- sericulture epiculture pisciculture none of the above

69

From the following which is the fresh water fish?

- Salmon Bombay duck Flying fish Catfish

70

Growing of two or more than two types of fishes together in the same water body is known as _____.

- pisciculture polyculture composite fish culture apiculture

71

According to the _____, there are how many types of castes in the colony of bee?

- two three four one

72

From the following which is the exotic variety of honey bee.

- Apis cerana indica Apis mellifera Apis dorsata Apis florea

73

_____ is rearing, care and management of honey bees for obtaining honey, wax and other substances.

- apiculture forticulture pisciculture none of the above

74

_____ is commonly domesticated in India to increase yield of honey.

- Apis adamsoni Apis mellifera Apis florae Apis dorsata

75

What is the common name of Apis cerana indica?

- italian bee rock bee little bee Indian bee

76

Which is most active member of honey bee colony?

- male queen worker drone

77

How many eggs are laid by queen bee in a single day?

- 20 eggs 200 eggs 2000 eggs 20,000 eggs

78

From the following diseases which is not suffered by honey bees?

- brood foul nosema disease dengue acrine disease

79

From the following one which is not the product of honey bee?

- honey propolis royal jelly none of the above

80

Bee wax is secreted by wax glands of _____ bees.

- female drone worker italian bee

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