

- Question No. 1

Which device is used to measure rate of water flow in a pipe?

**Options :**

1. Volumetric method
2. Venturimeter
3. Orifice
4. Water meters
5. All of these

Answer : Venturimeter

- Question No. 2

On and Off irrigation is otherwise known as

**Options :**

1. Cablegation
2. Corrugation
3. Surge irrigation
4. Furrow irrigation
5. All of the above

Answer : Surge irrigation

- Question No. 3

Which of the following method has highest water use efficiency?

**Options :**

1. Check basin method
2. Border strip method

3. Sprinkler irrigation
4. Drip irrigation
5. Furrow irrigation

Answer : Drip irrigation

• Question No. 4

The irrigation method most suitable for saline soil is

**Options :**

1. Flooding
2. Furrow irrigation
3. Check basin method
4. Sub soil irrigation
5. Surge irrigation

Answer : Flooding

• Question No. 5

Irrigation projects are divided into ..... categories on the basis of financial expenditure

**Options :**

1. 2
2. 3
3. 4
4. 5
5. 6

Answer : 3

• Question No. 6

Objective of watershed management is

**Options :**

1. Harness surplus water
2. Conserve soil and rainwater
3. Promote sustainable farming
4. Restore ecological balance
5. All of these

Answer : All of these

• Question No. 7

The origin place of Arhar, Mung, Urd, Cotton, Jute, Oat, Mango is

**Options :**

1. Africa
2. China
3. South East Asia
4. India
5. Mexico

Answer : India

• Question No. 8

Which among the following is commonly known as Poor man's orange and Love of apple?

**Options :**

1. Ber
2. Apple
3. Tomato
4. Carrot
5. Mango

Answer : Tomato

- Question No. 9

Father of Green Revolution in world who was also awarded noble prize for the same in 1970

**Options :**

1. Norman E Borlaug
2. M.S. Swaminathan
3. De Herelle
4. Kary Mullis
5. William Gaud

Answer : Norman E Borlaug

- Question No. 10

A farm on which 50% or more of the receipts are from sugarcane would be classified as sugarcane farm, this is an example of

**Options :**

1. Specialised farming
2. Extensive farming
3. Diversified farming
4. Ranching
5. Rainfed farming

Answer : Specialised farming

- Question No. 11

Principle of added costs and added returns is another name for

**Options :**

1. Principle of factor substitution
2. Principle of equi-marginal returns

3. Principle of comparative advantage
4. Law of variable proportions or Law of diminishing returns
5. Least cost principle

Answer : Law of variable proportions or Law of diminishing returns

• Question No. 12

The aggregate of all external conditions and influences affecting the life and development of an organism is refer to as

**Options :**

1. Biodiversity
2. Environment
3. Ecology
4. Flora
5. Fauna

Answer : Environment

• Question No. 13

Science of manipulating crop environment complex with dual aims of improving agricultural productivity and gaining a degree of understanding of the process involved.

**Options :**

1. Agrostology
2. Agroecology
3. Agronomy
4. Arboriculture
5. Crop Physiology

Answer : Agronomy

- Question No. 14

National milk day is celebrated every year on

**Options :**

1. 5th December
2. 24th December
3. 24th April
4. 16th October
5. 26th November

Answer : 26th November

- Question No. 15

Rabi crops are grown in \_\_\_\_\_ season.

**Options :**

1. summer
2. winter
3. monsoon
4. spring
5. rainy

Answer : winter

- Question No. 16

fruit type of groundnut is

**Options :**

1. drupe
2. nut
3. berry

- 4. caryopsis
- 5. Lomentum

Answer : Lomentum

- Question No. 17

Jute is an example of\_\_\_\_\_

**Options :**

- 1. forage crop
- 2. aromatic crop
- 3. sugar crop
- 4. fiber crop
- 5. millet crop

Answer : fiber crop

- Question No. 18

A cropping system of growing two or more crops simultaneously on the same piece of land with distinct row arrangement is

**Options :**

- 1. Monocropping
- 2. Mixed cropping
- 3. Intercropping
- 4. Multiple cropping
- 5. None of these

Answer : Intercropping

- Question No. 19

Which among the following is/are not (an) advantage(s) of mixed cropping?

**Options :**

1. Risk of failure of crop is more
2. Fulfills the daily requirements of food grains, oilseeds, pulses etc.
3. Improve fertility of the soil if legumes are taken as minor crop
4. Full utilization of space and available plant nutrients
5. All of these

Answer : Risk of failure of crop is more

• Question No. 20

The main crop is sown in the center, surrounded by hardy crop to provide protection to main crop. This hardy crop is called

**Options :**

1. Augmenting crop
2. Cover crop
3. Smother crop
4. Competitive crop
5. Guard crop

Answer : Guard crop

• Question No. 21

Which of the following is not an advantage of multistoried cropping

**Options :**

1. Better utilization of moisture and nutrients in different soil layers.
2. Better utilization of sunlight and space.
3. Provides a balanced food for humans.
4. Requirement of more area
5. Enrichment of organic matter or plant residues in soil



Answer : Requirement of more area

• Question No. 22

SRI( System of Rice Intensification) method introduced in India for cultivation of

**Options :**

1. Wheat
2. Maize
3. Rice
4. Sorghum
5. Chickpea

Answer : Rice

• Question No. 23

The system of farming in which ownership is individual and operations are collective is known as \_\_\_\_\_

**Options :**

1. Cooperative better farming
2. Cooperative joint farming
3. Cooperative tenant farming
4. Cooperative collective farming
5. None of these

Answer : Cooperative joint farming

• Question No. 24

Optimum seed rate for soybean cultivation is (kg/ha)

**Options :**

1. 40-50

2. 50-60
3. 75-80
4. 100-110
5. 115-120

Answer : 75-80

• Question No. 25

Pusa bold is a variety of which crop?

**Options :**

1. Mustard
2. Safflower
3. Sunflower
4. Groundnut
5. Soybean

Answer : Mustard

• Question No. 26

Dapog method of rice nursery is introduced to India from

**Options :**

1. Madagascar
2. Malaysia
3. Thailand
4. Philippines
5. Taiwan

Answer : Philippines

• Question No. 27

Which of the following gas is emitted from rice field?

**Options :**

1. Hydrogen sulphide
2. Methane
3. Ethylene
4. Butane
5. Carbon monoxide

Answer : Methane

• Question No. 28

1st commercial hybrid of sorghum released in India was

**Options :**

1. CSH 1
2. CSH 2
3. CSH 10
4. Ganga – 1
5. BSH 1

Answer : CSH 1

• Question No. 29

Pusa Giant is a variety of

**Options :**

1. Guinea grass
2. Cowpea
3. Lucerne
4. Napier grass
5. Para grass

Answer : Napier grass

• Question No. 30

Match the following: -

- |                    |                            |
|--------------------|----------------------------|
| A. Little millet   | 1. Echinochloa frumentacea |
| B. Kodo millet     | 2. Panicum miliaceum       |
| C. Foxtail millet  | 3. Panicum sumatrense      |
| D. Proso millet    | 4. Setaria italica         |
| E. Barnyard millet | 5. Paspalum scrobiculatum  |

Options :

1. 3, 5, 4, 2, 1
2. 1, 2, 3, 5, 4
3. 2, 1, 4, 3, 5
4. 1, 3, 4, 2, 5
5. 3, 5, 2, 4, 1

Answer : 3, 5, 4, 2, 1

• Question No. 31

Optimum seed rate for sowing of bajra is

Options :

1. 4-5 kg/ha
2. 30-35 kg/ha
3. 50 kg/ha
4. 55-60 kg/ha
5. 15-20 kg/ha

Answer : 4-5 kg/ha

- Question No. 32

Pusa Ruby is cross between?

**Options :**

1. Improved Meeruti × Red Cloud
2. Sioux × Improved Meeruti
3. Improved Meeruti × Sioux
4. Sioux × Pusa Uphar
5. None of the above

Answer : Sioux × Improved Meeruti

- Question No. 33

Seed rate of cauliflower is \_\_\_\_\_

**Options :**

1. 1 -1.5 kg/ha
2. 15 -20 kg/ha
3. 5 – 6 kg/ha
4. 400 -600 gm/ha
5. 8 -12 kg/ha

Answer : 400 -600 gm/ha

- Question No. 34

Bittergourd fruit is bitter in taste due to

**Options :**

1. Solanin
2. Eugenol
3. Tomatine

- 4. Tataric acid
- 5. momordicine

Answer : momordicine

- Question No. 35

Fruit type of Cucurbits is known as \_\_\_\_\_

**Options :**

- 1. Berry
- 2. Drupe
- 3. Balusta
- 4. Pome
- 5. Pepo

Answer : Pepo

- Question No. 36

Seed rate for Hybrid tomato is \_\_\_\_\_/ha

**Options :**

- 1. 100-150 gm
- 2. 200-300 gm
- 3. 350-500 gm
- 4. 500-600 gm
- 5. 1-1.5 kg

Answer : 100-150 gm

- Question No. 37

Mucilaginous substance in cluster bean is known as?

**Options :**

1. Galactomannan
2. D- galactopyranose
3. D- mannopyranose
4. All of the above
5. None of the above

Answer : Galactomannan

• Question No. 38

Single-seeded cucurbitaceous vegetable is

**Options :**

1. Tori
2. Okra
3. Chow Chow
4. Capsicum
5. Cucumber

Answer : Chow Chow

• Question No. 39

Tomato belongs to the family\_\_\_\_\_

**Options :**

1. Brassicaceae
2. Solanaceae
3. Leguminosae
4. Convolvulaceae
5. Malvaceae

Answer : Solanaceae

- Question No. 40

Queen of Fruits" is called \_\_\_\_\_

**Options :**

1. Avocado
2. Mango
3. Mangosteen
4. Ber
5. None of the above

Answer : Mangosteen

- Question No. 41

The fruit of banana is botanically a/an \_\_\_\_\_

**Options :**

1. Pepo
2. Berry
3. Pome
4. Drupe
5. Hesperidium

Answer : Berry

- Question No. 42

Bitter pit in Apple is due to the deficiency of \_\_\_\_\_

**Options :**

1. Ca
2. Zn
3. Mn



- 4. K
- 5. None of the above

Answer : Ca

- Question No. 43

Kinnow mandarin is a cross between King and

**Options :**

- 1. Acid lime
- 2. Willow leaf
- 3. Sweet lime
- 4. Pummelo
- 5. None of the above

Answer : Willow leaf

- Question No. 44

Choke throat in banana is due to \_\_\_\_\_

**Options :**

- 1. High temperature
- 2. Low temperature
- 3. High humidity
- 4. Low humidity
- 5. None of the above

Answer : Low temperature

- Question No. 45

Gulabi is important cultivar of \_\_\_\_\_

**Options :**

1. Strawberry
2. Litchi
3. Pomegranate
4. Grape fruit
5. None of the above

Answer : Litchi

• Question No. 46

Which Mango variety is suitable for high density planting?

**Options :**

1. Sindhu
2. Amrapali
3. Mallika
4. Ambika
5. None of the above

Answer : Amrapali

• Question No. 47

Gladiolus is propagated by which method?

**Options :**

1. True seed
2. Bulbs/Corms
3. Stem cutting
4. Rhizome
5. Layering

Answer : Bulbs/Corms

- Question No. 48

Roses are commercially propagated by

**Options :**

1. 'T' budding
2. Bulbs
3. Stem cutting
4. Seed
5. a and c

Answer : a and c

- Question No. 49

Rose Supreme, Happy End and Friendship are improved varieties of:

**Options :**

1. Rose
2. Gladiolus
3. Carnation
4. Marigold
5. Chrysanthemum

Answer : Gladiolus

- Question No. 50

Chrysanthemum is propagated by

**Options :**

1. Softwood cuttings
2. Hardwood cuttings
3. Bulbs

4. Suckers
5. Grafting

Answer : Suckers

- Question No. 51

Negative geotropism is the major post harvest problem in

**Options :**

1. Gerbera
2. Gladiolus
3. Anthurium
4. Canna
5. Daffodil

Answer : Gladiolus

- Question No. 52

Wilting of seedlings (also called kresek) is a damaging symptom of which disease in rice ?

**Options :**

1. Blast
2. Bacterial Leaf Blight
3. Rice Tungro
4. Sheath rot
5. Sheath blight

Answer : Bacterial Leaf Blight

- Question No. 53

False smut in rice is caused by which organism?

**Options :**

1. Xanthomonas oryzae
2. Pyricularia oryzae
3. Urocystis agropyri
4. Ustilaginoidea virens
5. Sarocladium oryzae

Answer : Ustilaginoidea virens

• Question No. 54

The characteristic symptom of red rot is

**Options :**

1. Reddening of pith
2. Alcoholic odour
3. Whip like structure
4. Boat- shaped cavities in the middle of the internodes
5. Both A and B

Answer : Both A and B

• Question No. 55

Rust disease in sugarcane is caused by

**Options :**

1. Sporisorium scitamineum
2. Colletotrichum falcatum
3. Clavibacter xyli
4. Puccinia erianthi
5. YLMV

Answer : Puccinia erianthi

- Question No. 56

Basidiospores of black rust are germinated on

**Options :**

1. Mustard
2. Barberry
3. Wheat
4. Rice
5. Soil

Answer : Barberry

- Question No. 57

Rotting of spikelet's, with profuse oozing of yellow liquid from the infected tissues is a symptom of

**Options :**

1. Tundu disease
2. Bacterial leaf blight
3. Bacterial streak
4. Black chaff
5. Both C and D

Answer : Tundu disease

- Question No. 58

Phomopsis blight occurs in which of the following crops

**Options :**

1. Brinjal
2. Bajra
3. Sugarcane

- 4. Potato
- 5. Both A and C

Answer : Brinjal

- Question No. 59

The disease related with apple is known as

**Options :**

- 1. Red rust disease
- 2. Tikka disease
- 3. Green ear disease
- 4. Fire blight disease
- 5. None of these

Answer : Fire blight disease

- Question No. 60

Tea's red rust disease is caused by

**Options :**

- 1. Bacteria
- 2. Virus
- 3. Fungi
- 4. Algae
- 5. Mycoplasma

Answer : Algae

- Question No. 61

Match the following

- a. Whiptail disease    i) Potato
- b. Dieback disease    ii) Cauliflower
- c. Khaira disease    iii) Citrus
- d. Early blight disease    iv) Rice

**Options :**

- 1. a. i, b. ii, c. iii, d. iv
- 2. a. ii, b. iii, c. iv, d. i
- 3. a. iii, b. iv, c. i, d. ii
- 4. a. iii, b. ii, c. iv, d. i
- 5.

Answer : a. ii, b. iii, c. iv, d. i

• Question No. 62

Which one of the following is a chitin inhibitor?

**Options :**

- 1. Dimilin
- 2. Methoprene
- 3. Piperonyl butoxide
- 4. Pyrethrin
- 5. None of these

Answer : Dimilin

• Question No. 63

DDT acts on

**Options :**



1. Ganglia
2. Synapse
3. Axon
4. Ach E
5. None of these

Answer : Axon

• Question No. 64

Pheromone trap is used to attract

**Options :**

1. Female bugs
2. Female moths
3. Male moths
4. Caterpillars
5. All of the above

Answer : Male moths

• Question No. 65

Pink boll worm is the main pest of

**Options :**

1. Okra
2. Chick pea
3. Cotton
4. Rice
5. Wheat

Answer : Cotton

- Question No. 66

Which of the following insecticides may be recommended for the control of termite ?

**Options :**

1. Chloropyriphos
2. Cypermethrin
3. Dimethoate
4. b and c both
5. None of the above

Answer : Chloropyriphos

- Question No. 67

Yellow Mosaic Virus disease of green gram is spread by

**Options :**

1. Bemisia tabaci
2. Aphis craccivora
3. Nephotettixvircens
4. Amrascabigutella
5. None of the above

Answer : Bemisia tabaci

- Question No. 68

Which one is Army worm of wheat ?

**Options :**

1. Plutella xylostella
2. Mythimna seperata
3. Bemisia tabaci

4. Amarasca bigutella

5. None of the above

Answer : Mythimna seperata

- Question No. 69

White grub lay its eggs on

**Options :**

1. upperside of leaf

2. tip of leaf

3. lower side of leaf

4. loose soil

5. floral parts

Answer : loose soil

- Question No. 70

In which of the following insect order Halteres are present

**Options :**

1. Lepidoptera

2. Coleoptera

3. Diptera

4. Hymenoptera

5. Hemiptera

Answer : Diptera

- Question No. 71

Main characteristic features of an Insect is/are?

**Options :**

1. One Pair of antennae
2. Three pairs of legs
3. Pair of wings
4. All of the above
5. None of these

Answer : All of the above

• Question No. 72

Arthropods have which type of body cavity

**Options :**

1. Acoelomate
2. Schizo coelomate
3. Pseudocoelomate
4. Gastro coelomate
5. None of these

Answer : Schizo coelomate

• Question No. 73

Grease painting in trees is done to control

**Options :**

1. Mango hoppers
2. Mealy bugs
3. Mango fruit fly
4. Mango stove weevil
5. Mango stem borer

Answer : Mealy bugs

- Question No. 74

Head and Thorax fused into one which is known as Cephalothorax is characteristic feature of class

**Options :**

1. Hexapoda
2. Chilopoda
3. Aracnida
4. Crustacea
5. c and d both

Answer : c and d both

- Question No. 75

In Ultra low volume spray, quantity of spray liquid used per hectare is

**Options :**

1. < 1 litre
2. < 5 litres
3. 15 – 75 litres
4. 100 – 200 litres
5. 400 litres

Answer : < 5 litres

- Question No. 76

The root-knot nematode was first described by..?

**Options :**

1. Chitwood, 1949
2. Berkeley, 1855
3. Kofoid & White, 1919

- 4. N.A. Cobb, 1794
- 5. None of the above.

Answer : Berkeley, 1855

- Question No. 77

Nematode attack is severe in..?

**Options :**

- 1. Potato
- 2. Tomato
- 3. Egg plant
- 4. Pepper
- 5. All of these

Answer : Tomato

- Question No. 78

Which is not caused by the plant parasitic nematode?

**Options :**

- 1. Citrus decline
- 2. Pepper yellows
- 3. Ear cockle disease of wheat
- 4. All are plant parasitic nematode disease
- 5. None of these

Answer : All are plant parasitic nematode disease

- Question No. 79

In meloidogyne, the .... stage juveniles enter the roots?

**Options :**

1. 2nd
2. 1st
3. 3rd
4. 4th
5. 5th

Answer : 2nd

• Question No. 80

The sensory chemoreceptors is located in the .... region of a nematode?

**Options :**

1. Lip
2. Head
3. Thorax
4. Tail
5. Abdomen

Answer : Lip

• Question No. 81

The highly evolved plant parasitic nematodes create a large volume of .... near the feeding site and modify it to efficient withdrawal of nutrients?

**Options :**

1. Root gall
2. Cyst
3. Cytoplasm
4. Pores
5. All of these

Answer : Cytoplasm

- Question No. 82

The silk fibres are held together in cocoon by a substance known as

**Options :**

1. Sericin
2. Cement
3. Glue
4. Fibroin
5. None

Answer : Sericin

- Question No. 83

The silkworm larva ceases to eat and begins spinning silk all over its body from \_\_\_\_

**Options :**

1. from inside to outside
2. in a random motion
3. half from inside to outside and half from outside to inside
4. from outside to inside
5. None of these

Answer : from outside to inside

- Question No. 84

Tassar silk is also known as

**Options :**

1. Assam silk



2. Ahimsa silk
3. Kosa silk
4. Natural silk
5. Both A and B

Answer : Kosa silk

• Question No. 85

The physical state of the atmosphere at a given place and time is referred to as

**Options :**

1. Climate
2. Weather
3. Meteorology
4. Agro – meteorology
5. None of the above

Answer : Weather

• Question No. 86

Elements of climate include

- A. Solar radiation
- B. Temperature
- C. Wind speed
- D. Precipitation
- E. Humidity

**Options :**

1. Only A and B

2. Only A and C
3. A, B and C
4. A, B, C and D
5. All A, B, C, D and E

Answer : All A, B, C, D and E

• Question No. 87

The lowest layer of atmosphere is known as Troposphere. It extends upto a height of \_\_\_\_\_ km along the equator and \_\_\_\_\_ km along the poles.

**Options :**

1. 18, 6
2. 16, 28
3. 8, 16
4. 10, 18
5. 18, 36

Answer : 18, 6

• Question No. 88

PAR falls in the range of wavelength of

**Options :**

1. 200-400 nm
2. 700-900 nm
3. 100-200 nm
4. 400-700 nm
5. None of these

Answer : 400-700 nm

- Question No. 89

Actual quantity of water vapour by weight present in a given volume of air.

**Options :**

1. Relative humidity
2. Absolute humidity
3. Specific humidity
4. Specific heat
5. None of these

Answer : Absolute humidity

- Question No. 90

In an observatory, Dry and wet bulb thermometers and hydrograph are used for measurement of

**Options :**

1. Temperature
2. Relative Humidity
3. Precipitation
4. Evaporation
5. Cloud cover

Answer : Relative Humidity

- Question No. 91

Which of the following is used for cloud seeding of warm clouds ?

**Options :**

1. NaCl
2. Silver iodide
3. Dry ice

- 4. a and b both
- 5. None of the above

Answer : NaCl

• Question No. 92

Which of the following tree is known as flame of forest?

**Options :**

- 1. Butea monosperma
- 2. Ficus bengalensis
- 3. Plumeria alba
- 4. Bambusa indica
- 5. Azadirachta indica

Answer : Butea monosperma

• Question No. 93

Agroforestry plant suitable for silk industry is

**Options :**

- 1. Prosopis cineraria
- 2. Populus deltoids
- 3. Acacia catechu
- 4. Morus alba
- 5. None of these

Answer : Morus alba

• Question No. 94

Pure forest is a type of forest in which composition of one species not less than

**Options :**

1. 25%
2. 40%
3. 50%
4. 75%
5. 80%

Answer : 80%

• Question No. 95

Bamboo is also considered as

**Options :**

1. Pagoda tree
2. Flame of forest
3. Poor man's timber
4. Shepherd's purse
5. Monkey puzzle tree

Answer : Poor man's timber

• Question No. 96

Individual farmers are being encouraged to plant trees on their own farmland to meet the domestic needs of the family under

**Options :**

1. Urban forestry
2. Rural forestry
3. Farm forestry
4. Community forestry
5. None of the above

Answer : Farm forestry

- Question No. 97

Wheat inflorescence is

**Options :**

1. Arrow
2. Spikelet
3. Panicle
4. Raceme
5. Panicle

Answer : Spikelet

- Question No. 98

Triticale, the first man made cereal, is a cross between

**Options :**

1. Wheat x Barley
2. Rye x Wheat
3. Wheat x Rye
4. Wheat x Oat
5. Wheat x Rice

Answer : Wheat x Rye

- Question No. 99

In wheat, CRI stage arises at (DAS)

**Options :**

1. 25-30

2. 20-25

3. 30-45

4. 15-20

5. 45-60

Answer : 20-25

- Question No. 100

Gene responsible for quality protein in maize

**Options :**

1. Norin 10

2. Rht 1

3. Rht 2

4. Tift 23 A

5. Opaque 2

Answer : Opaque 2

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