

• Question No. 1

Which of the following statements is true about alluvial soils in India?

**Options :**

1. Alluvial soils are formed due to the deposition of sediments brought by rivers and other water bodies.
2. Alluvial soils are found in floodplains and deltas
3. Alluvial soils include deltaic alluvium, calcareous alluvium, coastal alluvial, and coastal sands.
4. The alluvium of the Great plain of India is divided into newer or younger khadar and older bhargar soils
5. All of the above statements are true

Answer : All of the above statements are true

• Question No. 2

Black soils are highly fertile and retain moisture well, making them suitable for a wide range of crops. What is the dominant mineral in black soils?

**Options :**

1. Quartz
2. Montmorillonite
3. Feldspar
4. Illite
5. None of these

Answer : Montmorillonite

• Question No. 3

Which of the following soil is very good in retentive of moisture and swells greatly and becomes sticky when wet in rainy season?

**Options :**

1. Black Soil
2. Red soil
3. Arid and desert soil
4. Alluvial Soil
5. Peaty and Marshy Soil

Answer : Black Soil

• Question No. 4

Which of the following is the main reason behind the red colour of red soil in India?

**Options :**

1. Presence of iron oxide
2. Presence of calcium carbonate
3. Presence of humus
4. Presence of silica
5. None of the above

Answer : Presence of iron oxide

• Question No. 5

On the basis of soil order, which order soil that are composed mainly of organic materials

**Options :**

1. Entisol
2. Inceptisol
3. Histosol
4. Mollisol
5. Oxisol

Answer : Histosol

- Question No. 6

Newly formed alluvial soils are known as

**Options :**

1. khadar
2. bhangar
3. regur
4. aridisols
5. peaty soils

Answer : khadar

- Question No. 7

Granite is the example of which of the following rock

**Options :**

1. Igneous Rocks
2. Sedimentary Rocks
3. Metamosrphic Rocks
4. All of the above
5. None of the above

Answer : Igneous Rocks

- Question No. 8

Denitrification is a process of \_\_\_\_\_

**Options :**

1. Oxidation
2. Reduction
3. Hydration

4. Carbonation
5. None of the above

Answer : Reduction

• Question No. 9

Plasticity of soil can be determined by

**Options :**

1. Pycnometer
2. Atterberg Limits
3. Hydrometer
4. All of the above
5. None of the above

Answer : Atterberg Limits

• Question No. 10

Movement of particles by a series of short bounces along the surface of the ground, Erosion of very fine particles is seen on account of?

**Options :**

1. Saltation
2. Suspension
3. Surface creep
4. Shifting of dunes
5. None of the above

Answer : Saltation

• Question No. 11

Which of the following is an exception to the Mendel's second law i.e., law of independent assortment?

**Options :**

1. Paramutations
2. Linkage
3. Polyploidy
4. Both A and C
5. Pleiotropism

Answer : Linkage

• Question No. 12

The genotypic ratio of a dihybrid cross is

**Options :**

1. 1:2:1
2. 1:3:2:4:2:1:2:1:2
3. 1:2:1:2:4:2:1:2:1
4. 1:2:2:4:2:2:2:1
5. 9:3:3:1

Answer : 1:2:1:2:4:2:1:2:1

• Question No. 13

When both the allele of a gene express equally in heterozygote, it is known as

**Options :**

1. Incomplete dominance
2. Co- dominance
3. Complete Dominance
4. Partial Dominance
5. Both A and D

Answer : Co- dominance

- Question No. 14

In case of incomplete dominance monohybrid F1 \_\_\_\_\_ is 1:2:1.

**Options :**

1. Genotype
2. Phenotype
3. Both genotype and phenotype
4. The ratio is wrong
5. None of these

Answer : Both genotype and phenotype

- Question No. 15

Identify the wrong sequence

**Options :**

1. Inhibitory epistasis- 13:3
2. Complementary epistasis- 9:3:4
3. Duplicate Dominant Epistasis- 15:1
4. Supplementary epistasis- 9:7
5. Both B and D

Answer : Both B and D

- Question No. 16

Genes governing traits showing cytoplasmic inheritance are located outside the nucleus and in the cytoplasm, they are referred to as .....

**Options :**

1. Duplicate genes
2. Plasma genes

3. Oligo genes
4. Transposons
5. Complementary genes

Answer : Plasma genes

• Question No. 17

Which of the following is a non terminating codon?

**Options :**

1. UAG
2. UAA
3. UGA
4. AUG
5. None of these

Answer : AUG

• Question No. 18

Genetic engineering is also known as

**Options :**

1. DNA cloning
2. Recombinant DNA Technology
3. Gene mapping
4. Gene manipulation
5. All except C

Answer : All except C

• Question No. 19

Reporter gene is

**Options :**

1. A gene combined with the gene being transferred with a view to facilitate the selection of transformed cells.
2. The expression of foreign genes in a host organism.
3. constantly expressing itself as it is needed to carry out basic cellular functions that occur continuously.
4. Also known as luxury genes or specialist genes
5. All of the above.

Answer : A gene combined with the gene being transferred with a view to facilitate the selection of transformed cells.

• Question No. 20

Most preferred host used in gene cloning is

**Options :**

1. E. coli
2. Botrytis
3. Aspergillus niger
4. Bacillus
5. Clostridium

Answer : E. coli

• Question No. 21

..... method helps in maintaining high genetic variability in a population due to repeated intermating of heterozygous plants/populations.

**Options :**

1. Pedigree
2. Recurrent selection
3. Bulk Breeding



4. Progeny selection

5. Pure line

Answer : Recurrent selection

• Question No. 22

Foolish seedling disease in rice is related to which of the following plant hormone?

**Options :**

1. Auxin

2. Gibberellins

3. Cytokinin

4. Abscisic acid

5. Ethylene

Answer : Gibberellins

• Question No. 23

Products of which plant hormone promote femaleness?

**Options :**

1. Auxin

2. Gibberellins

3. Cytokinin

4. Abscisic acid

5. Ethylene

Answer : Ethylene

• Question No. 24

Which of the following is sprayed to increase sugar production in sugarcanes?

**Options :**

1. Auxin
2. Gibberellins
3. Abscisic acid
4. Cytokinin
5. Ethylene

Answer : Gibberellins

• Question No. 25

Which of the following is a short-day plant?

**Options :**

1. Cucumber
2. Tomato
3. Sunflower
4. Maize
5. None of these

Answer : None of these

• Question No. 26

Which of the following is not one of the stages in Calvin Cycle?

**Options :**

1. Regeneration of CO<sub>2</sub> acceptor
2. Reduction of carboxylic acid to carbohydrate
3. Carboxylation of CO<sub>2</sub> acceptor
4. Transport of C<sub>4</sub> acids
5. None of these

Answer : Transport of C<sub>4</sub> acids

- Question No. 27

Photo respiration takes place in

**Options :**

1. Peroxisomes
2. Chloroplast
3. Mitochondria
4. All of the above
5. Ribosomes

Answer : All of the above

- Question No. 28

When fruit growth is complete and photosynthates are no longer translocated to fruits it is known as

**Options :**

1. Fruit maturity
2. Physiological maturity
3. Harvest maturity
4. Both A & B
5. Both A & C

Answer : Physiological maturity

- Question No. 29

Correct sequence of steps in extension teaching are

**Options :**

1. Attention – Interest – Desire – Conviction – Action – Satisfaction
2. Desire – Interest – Attention – Conviction – Action – Satisfaction
3. Interest – Attention – Desire – Conviction – Action – Satisfaction

4. Action – Attention – Interest – Conviction – Desire – Satisfaction

5. None of the above

Answer : Attention – Interest – Desire – Conviction – Action – Satisfaction

• Question No. 30

Radio broadcasting started in India in the year\_\_\_\_\_

**Options :**

1. 1927

2. 1932

3. 1950

4. 1975

5. 1995

Answer : 1927

• Question No. 31

The village panchayat act came into existence in

**Options :**

1. 1947

2. 1950

3. 1958

4. 1961

5. 1971

Answer : 1958

• Question No. 32

Which of the following is/are not a sub mission under NMAET (National Mission on Agricultural Extension and Technology)

**Options :**

1. Sub Mission on Agricultural Extension (SMAE)
2. Sub-Mission on Seed and Planting Material (SMSP)
3. Sub Mission on Agricultural Mechanization (SMAM)
4. Sub Mission on Plant Protection and Plant Quarantine (SMPP)
5. All are missions under NMAET

Answer : All are missions under NMAET

• Question No. 33

Which of the following was launched by ICAR as a part of its golden jubilee celebration?

**Options :**

1. KVK
2. KCC
3. ARYA
4. Lab to Land
5. mKisan Portal

Answer : Lab to Land

• Question No. 34

Which one of the following is correctly matched?

**Options :**

1. Etawah pilot project – Albert Mayer
2. Grow more food campaign – J. L. Nehru
3. Cooperative movement – M K Gandhi
4. Sewagram Project – Vinoba Bhave
5. All of the above

Answer : Etawah pilot project – Albert Mayer

- Question No. 35

First farm magazine in India was published by ICAR with name

**Options :**

1. Kheti
2. Krishi Darshan
3. Farmers Digest
4. Kisan
5. Fal fool

Answer : Kheti

- Question No. 36

The process by which information about new breed of cattle is spread through inter personal channel over a period of two years among the women members of village community will be suitably explained by

**Options :**

1. Innovation
2. Diffusion
3. Adoption
4. Communication
5. None of the above

Answer : Diffusion

- Question No. 37

Profit is maximized when

**Options :**

1.  $MC = MR$
2.  $MC < MR$

3.  $MC > MR$
4. MC more than equal to MR
5. None of these

Answer :  $MC = MR$

• Question No. 38

Level of optimum production is available at

**Options :**

1. 1st stage of production
2. 2nd stage of production
3. 3rd stage of production
4. 4th stage of production
5. None of these

Answer : 2nd stage of production

• Question No. 39

When marginal production is more than average production, elasticity of production will be

**Options :**

1. More than one
2. Less than one
3. Equal to One
4. Equal to Zero
5. Between Zero to One

Answer : More than one

• Question No. 40

In Stage III of Law of Diminishing marginal returns, the value of Elasticity of production is

**Options :**


1. Equal to 0
2. Equal to 1
3. Less than 1
4. Greater than 1
5. None of these

Answer : None of these

• Question No. 41

“As we increase the production of one good, the opportunity cost to produce the additional good will also increase”, this is stated in

**Options :**

1. Principle of combining enterprise
2. Law of increasing opportunity cost
3. Law of comparative advantage
4. Law of variable proportions
5. 

Answer : Law of increasing opportunity cost

• Question No. 42

Under the PDS, presently the commodities namely..... are being allocated to the States/UTs for distribution

**Options :**

1. Wheat and Rice
2. Sugar and Kerosene
3. Both A and B
4. Oilseeds
5. None of these



Answer : Both A and B

• Question No. 43

Electronic National Agriculture Markets eNAM, an online platform for helping farmers bid for the best prices across markets by Integrating agricultural markets online was launched in the year

**Options :**

1. 2014
2. 2018
3. 2020
4. 2017
5. 2016

Answer : 2016

• Question No. 44

To promote rural digital revolution, in line with Digital India Initiative, ..... was launched

**Options :**

1. iKisan
2. e-choupal
3. IFFCO iMandi
4. Village Resource Centre
5. Kisan Suvidha

Answer : IFFCO iMandi

• Question No. 45

Which of the following is an apex organization of marketing cooperatives for agricultural produce in India?

**Options :**

1. APEDA
2. NAFED
3. NABARD
4. FCI
5. CWC

Answer : NAFED

- Question No. 46

KCC is a good example of

**Options :**

1. Direct subsidy
2. Indirect subsidy
3. Both A and B
4. Export subsidy
5. None

Answer : Indirect subsidy

- Question No. 47

The Minimum Support Price, MSP for crops is fixed twice a year on the recommendations of

**Options :**

1. GOI
2. CACP
3. NAFED
4. APEDA
5. Ministry of Agriculture

Answer : CACP

- Question No. 48

Which of the following is imperfect market?

**Options :**

1. Monopoly Market
2. Duopoly Market
3. Oligopoly Market:
4. All of the above
5. None of the above

Answer : All of the above

- Question No. 49

Which of the following is the correct statement about Capital Markets?

**Options :**

1. A market which deals in goods and raw materials
2. Markets which mainly assemble the commodity for further distribution to other markets
3. The market in which bonds, shares and securities are bought and sold
4. Markets which collect the produce for final disposal to the consuming population
5. None of the above

Answer : The market in which bonds, shares and securities are bought and sold

- Question No. 50

Market is one where the produce is either finally disposed of to the consumers or processors, or assembled for export is known as .....

**Options :**

1. Secondary wholesale Markets
2. Terminal Markets

3. Seaboard Markets
4. Village Markets
5. World Market

Answer : Terminal Markets

• Question No. 51

GIS stands for

**Options :**

1. Global Internet system
2. Geographic Information system
3. Global Information system
4. Geographic Internet system
5. All of the above

Answer : Geographic Information system

• Question No. 52

CADD stands for

**Options :**

1. Computer aided designing and drafting
2. Computer aided design and drafting
3. Computer aided drafting and designing
4. Computer aided drafting and design
5. None of the above

Answer : Computer aided design and drafting

• Question No. 53

The size of nano particles varies between the range of \_\_\_\_\_nm

**Options :**

1. 1-10
2. 1-50
3. 1-100
4. 1-1000
5. 1-500

Answer : 1-100

• Question No. 54

Nano materials' properties differ from bulk materials' in

**Options :**

1. Magnetic properties
2. Optical properties
3. Electrical properties
4. a and c only
5. a, b and c

Answer : a, b and c

• Question No. 55

Which of the following is not a bottom up technique for the synthesis of nanoparticles?

**Options :**

1. Hydrothermal synthesis
2. Electrodeposition
3. Microwave plasma processing
4. Chemical vapour deposition
5. Mechanical grinding

Answer : Mechanical grinding

- Question No. 56

Which of the following is a complex fertilizer?

**Options :**

1. Urea
2. DAP
3. Ammonium sulphate
4. SSP
5. None of the above

Answer : DAP

- Question No. 57

CAN is also known as \_\_\_\_

**Options :**

1. Nitro- lime stone
2. Kisan Khad
3. Nitro-chalk
4. Only a and b
5. All of the above

Answer : All of the above

- Question No. 58

Microbe involved in biological oxidation of ammonium ion to nitrite ion is

**Options :**

1. Rhizobium
2. Azotobacter
3. Nitrobacter

4. Nitrosomonas

5. Azospirillum

Answer : Nitrosomonas

- Question No. 59

Nutrient that imparts winter hardiness to plant is\_\_\_\_\_

**Options :**

1. Copper

2. Calcium

3. Potassium

4. Iron

5. Manganese

Answer : Potassium

- Question No. 60

The Fertilizer (control) order came into force in

**Options :**

1. 1965

2. 1975

3. 1985

4. 1967

5. 1987

Answer : 1985

- Question No. 61

Die back in citrus is caused due to the deficiency of \_\_\_\_\_

**Options :**

1. Iron
2. Boron
3. Magnesium
4. Zinc
5. Copper

Answer : Copper

• Question No. 62

Sand drawn disease in tobacco is caused due to the deficiency of \_\_\_\_\_

**Options :**

1. Calcium
2. Sulphur
3. Magnesium
4. Zinc
5. Manganese

Answer : Magnesium

• Question No. 63

The indicator plant for zinc deficiency is \_\_\_\_\_

**Options :**

1. Sugarbeet
2. Potato
3. Cabbage
4. Maize
5. Sorghum

Answer : Maize



- Question No. 64

Which of the following is a source of Boron?

**Options :**

1. Pyrite
2. Augite
3. Apatite
4. Tourmaline
5. Olivine

Answer : Tourmaline

- Question No. 65

The deficiency symptom for Fe in plants is

**Options :**

1. Interveinal chlorosis in younger leaves
2. Interveinal chlorosis in older leaves
3. Inward curling of leaves
4. Outward curling of leaves
5. None of these

Answer : Interveinal chlorosis in younger leaves

- Question No. 66

The soil amendment used for the reclamation of Sodic soil is

**Options :**

1. Lime
2. Rock phosphate
3. Gypsum

4. Press mud

5. All of the above

Answer : Gypsum

• Question No. 67

The ESP of saline soils is \_\_\_\_\_%

**Options :**

1. <15

2. >15

3. =15

4.  $\geq$ 15

5. None of the above

Answer :  $\leq$ 15

• Question No. 68

The EC of Sodic soil is \_\_\_mmho/cm at 25 °C.

**Options :**

1. =4

2. >4

3. <4

4.  $\geq$ 4

5. None of the above

Answer :  $\leq$ 4

• Question No. 69

The acidic soils can be reclaimed by the application of \_\_\_\_\_

**Options :**

1. Rock phosphate
2. Gypsum
3. Lime
4. Blast furnace slag
5. Both c and d

Answer : Both c and d

• Question No. 70

The element which becomes deficit in acidic conditions \_\_\_\_

**Options :**

1. Fe
2. Al
3. Ca
4. Mn
5. Zn

Answer : Ca

• Question No. 71

Which of the following crop is/are soil salinity tolerant?

**Options :**

1. Carrot
2. Cotton
3. Barley
4. Both b and c
5. All the three

Answer : Both b and c

- Question No. 72

Factor responsible for the formation of Saline soils/White alkali is/are:

**Options :**

1. Low rainfall
2. High temperature
3. High water table with high salt concentration
4. Both a and b
5. all of the above

Answer : all of the above

- Question No. 73

Which of the following is acid tolerant crop?

**Options :**

1. Tea
2. Rice
3. Oat
4. Potato
5. All of them

Answer : All of them

- Question No. 74

Acidic soils are generally found in the regions of

**Options :**

1. Humid climate
2. Low rainfall
3. Low aeration

- 4. High water table
- 5. All of the above

Answer : Humid climate

- Question No. 75

Sodic soils are also known as\_\_\_\_\_

**Options :**

- 1. White alkali
- 2. Black alkali
- 3. Regur soil
- 4. Solonchalk
- 5. None of these

Answer : Black alkali

- Question No. 76

The Indian seed act was passed in the year

**Options :**

- 1. 1965
- 2. 1966
- 3. 1968
- 4. 1958
- 5. 1970

Answer : 1966

- Question No. 77

Which of the following is not matched correctly?

**Options :**

1. Registered seed - purple colour tag
2. Breeder seed - golden yellow colour tag
3. Certified seed - green colour tag
4. Foundation seed - white colour tag
5. All are correct

Answer : Certified seed - green colour tag

• Question No. 78

Seeds which cannot be successfully stored for long periods are known as

**Options :**

1. Orthodox Seeds
2. Recalcitrant Seeds (Unorthodox Seeds)
3. Intermediate Seeds
4. Hybrid seeds
5. None of the above

Answer : Recalcitrant Seeds (Unorthodox Seeds)

• Question No. 79

Minimum isolation distance for the production of foundation seed of rice is

**Options :**

1. 50
2. 400
3. 200
4. 3
5. 6

Answer : 3

- Question No. 80

National Seed Corporation was established in

**Options :**

1. 1963
2. 1970
3. 1972
4. 1980
5. 1965

Answer : 1963

- Question No. 81

Seed germination is inhibited by \_\_\_\_\_ light.

**Options :**

1. Blue light
2. Red light
3. UV light
4. Infrared
5. None of the above

Answer : Blue light

- Question No. 82

Which of the following is a method to break seed dormancy?

**Options :**

1. stratification
2. mechanical scarification
3. acid scarification

4. treatment with GA

5. All of the above

Answer : All of the above

• Question No. 83

Which of the following design is suitable for laboratory experiments and industries?

**Options :**

1. Factorial RBD

2. Simple RBD

3. CRBD

4. CRD

5. LSD

Answer : LSD

• Question No. 84

\_\_\_\_\_ is the most appropriate design when the experimental material is very less and the number of genotypes are very large.

**Options :**

1. Strip plot design

2. LSD

3. Augmented design

4. RCBD

5. Split plot design

Answer : Augmented design

• Question No. 85

Indian Agricultural Statistics Research Institute (IASRI) is located in



**Options :**

1. Dehradun
2. Lucknow
3. Hyderabad
4. New Delhi
5. Karnal

Answer : New Delhi

• Question No. 86

\_\_\_\_\_ is also known as test for goodness of fit.

**Options :**

1.  $\chi^2$  test
2. F - test
3. Z - test
4. Student's t-test
5. Tukey's additive test

Answer :  $\chi^2$  test

• Question No. 87

Dispersion measure which is least affected by extreme values is \_\_\_\_\_

**Options :**

1. Range
2. Quartile deviation
3. Standard deviation
4. Coefficient of variation
5. None of these

Answer : Quartile deviation

- Question No. 88

A market over which government bodies or industry or labour groups, exert a level of control is known as \_\_\_\_\_

**Options :**

1. Regulated market
2. Unregulaed market
3. Controlled market
4. Monopolistic market
5. None of the above

Answer : Regulated market

- Question No. 89

In a long period market, the prices of commodities depend on \_\_\_\_\_

**Options :**

1. Demand
2. Supply
3. Cost of transportation
4. Only a and b
5. a, b and c

Answer : Only a and b

- Question No. 90

Buffer stock is generally maintained in order to \_\_\_\_\_

**Options :**

1. Stabilize prices
2. Ensure food security
3. Hoarding of grains

4. Only a and b

5. a, b and c

Answer : Only a and b

• Question No. 91

The cultivation of wheat and barley started in \_\_\_\_\_ B.C.

**Options :**

1. 2200

2. 3500

3. 7500

4. 4400

5. 7400

Answer : 7500

• Question No. 92

Tobacco was introduced to India during the reign of \_\_\_\_\_ by the \_\_\_\_\_

**Options :**

1. Shahjahan, French

2. Akbar, Portuguese

3. Jahangir, Dutch

4. Tipu Sultan, British

5. None of these

Answer : Akbar, Portuguese

• Question No. 93

The name of sugar has originated from the Sanskrit word \_\_\_\_\_

**Options :**

1. Sarkara
2. Shakkara
3. Shukra
4. Sarkarna
5. All of the above

Answer : Sarkara

• Question No. 94

The cultivation of rice started in \_\_\_\_\_B.C.

**Options :**

1. 1725
2. 2200
3. 2300
4. 1500
5. 2700

Answer : 2200

• Question No. 95

Pradhan Mantri Matasya Sampada Yojana (PMMSY), an umbrella scheme of Ministry of Fisheries, Animal husbandry and Dairying was launched on \_\_\_\_\_

**Options :**

1. 10th Sept. 2020
2. 15th Aug. 2020
3. 2nd Oct. 2020
4. 15th Aug. 2019
5. 26th Jan. 2020

Answer : 10th Sept. 2020

• Question No. 96

A scheme launched in the year 2016, provides insurance coverage and financial support to the farmers in the event of failure of any of the notified crop as a result of natural calamities, pests & diseases is

**Options :**

1. PMFBY
2. PMMSY
3. PM KISAN
4. PKVY
5. PMKSY

Answer : PMFBY

• Question No. 97

Pradhan Mantri Kisan Samman Nidhi (PM-KISAN), launched in 2019 is \_\_\_\_\_

**Options :**

1. Central sector scheme
2. Centrally sponsored scheme
3. Both central sector as well as centrally sponsored scheme
4. State funded scheme
5. None of the above

Answer : Central sector scheme

• Question No. 98

Which is the lead agency for implementing e-NAM?

**Options :**

1. NFCL
2. iKisan division
3. APMC
4. eNAM
5. SFAC

Answer : SFAC

• Question No. 99

Which of the following is matched correctly?

**Options :**

1. Accelerated Irrigation Benefits Programme (AIBP) – Department of Land Resources
2. Har Khet Ko Pani (HKKP) - Department of Agriculture and Farmers Welfare
3. Watershed Development (WD) - Department of Water Resources, River Development and Ganga Rejuvenation
4. Per Drop More Crop (PDMC) - Department of Agriculture and Farmers Welfare
5. None of them is correct

Answer : Per Drop More Crop (PDMC) - Department of Agriculture and Farmers Welfare

• Question No. 100

Which of the following parameter is not included in the Soil health card?

**Options :**

1. N (Nitrogen), P (Phosphorus), K (Potassium)
2. S (Sulphur), Ca (Calcium), Mg(Magnesium)
3. Zn (Zinc), Fe (Iron), Cu (Copper), Mn (Manganese), Bo (Boron)
4. pH and EC
5. Organic Carbon

Answer : S (Sulphur), Ca (Calcium), Mg(Magnesium)

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