

• 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 bhangar 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. Metamorphic 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. Absciscic acid
- 5. Ethylene

Answer : Gibberellins

• Question No. 23

Products of which plant hormone promote femaleness?

Options :

- 1. Auxin
- 2. Gibberellins
- 3. Cytokinin
- 4. Absciscic 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. Absciscic 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 CO₂ acceptor
2. Reduction of carboxylic acid to carbohydrate
3. Carboxylation of CO₂ acceptor
4. Transport of C₄ acids
5. None of these

Answer : Transport of C₄ 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. ≥ 15
- 5. None of the above

Answer : <15

• Question No. 68

The EC of Sodic soil is __mmho/cm at 25 °C.

Options :

- 1. =4
- 2. >4
- 3. <4
- 4. ≥ 4
- 5. None of the above

Answer : <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. χ^2 test
2. F - test
3. Z - test
4. Student's t-test
5. Tukey's additive test

Answer : χ^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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