

- Question No. 1

Onion production is related to

**Options :**

1. Silver revolution
2. blue revolution
3. golden revolution
4. pink revolution
- 5.

Answer : pink revolution

- Question No. 2

Weed index indicates

**Options :**

1. Herbicide efficiency
2. Herbicide activity
3. Yield reduction
4. herbicide toxicity
- 5.

Answer : Yield reduction

- Question No. 3

Rice plants prefer absorption of N fertilizer in form of

**Options :**

1. NO<sub>3</sub>
2. NO<sub>2</sub>

3. NH<sub>3</sub>

4. NH<sub>2</sub>

5.

Answer : NH<sub>3</sub>

• Question No. 4

The term 'silage' includes

**Options :**

1. Hay

2. Concentrate

3. Silage

4. Green fodder

5.

Answer : Green fodder

• Question No. 5

The only metallic element present in CHLOROPHYLL

**Options :**

1. Mg

2. N

3. K

4. Ca

5.

Answer : Mg

• Question No. 6

Mustard crop planted at the spacing of 50 x 20 cm will have how many plants in 1 ha?

**Options :**

1. 75000
2. 100000
3. 150000
4. 125000
- 5.

Answer : 100000

• Question No. 7

Which of the following is a indirect method of moisture measurement?

**Options :**

1. Neutron Moisture meter
2. Proton Moisture meter
3. Positron Moisture meter
4. Electron Moisture meter
- 5.

Answer : Neutron Moisture meter

• Question No. 8

The net assimilation rate is expressed in terms

**Options :**

1.  $\text{g/cm}^2/\text{day}$
2.  $\text{g/g/ha}$
3.  $\text{g/g/day}$
4.  $\text{g/cm}^2/\text{ha}$
- 5.

Answer :  $\text{g/cm}^2/\text{day}$

- Question No. 9

Nitrate levels in drinking water above mg/litre are considered as human health hazard

**Options :**

1. 5
2. 10
3. 15
4. 20
- 5.

Answer : 10

- Question No. 10

Irrigation requirement (IR) is equal to

**Options :**

1.  $WR - (ER - S)$
2.  $WR + (ER - S)$
3.  $WR - (ER + S)$
4.  $WR + (ER + S)$
- 5.

Answer :  $WR - (ER + S)$

- Question No. 11

The law of diminishing return was proposed by

**Options :**

1. Mitscherlich
2. Wilcox
3. Blackman

4. Van Liebig

5.

Answer : Mitscherlich

- Question No. 12

A cropping system where land is handed over to the succeeding crop before the harvest of standing crop

**Options :**

1. Ratoon cropping
2. Relay cropping
3. Intercropping
4. Sequence cropping
- 5.

Answer : Relay cropping

- Question No. 13

By product after cream separation process is

**Options :**

1. Whey
2. Lassi
3. Butter milk
4. Skim milk
- 5.

Answer : Skim milk

- Question No. 14

Lowest fat is found in the milk of

**Options :**

1. Jersey
2. Holstein Fresian
3. Red sindhi
4. Sahiwal
- 5.

Answer : Holstein Fresian

• Question No. 15

Protein in milk is called

**Options :**

1. zein
2. keratin
3. casein
4. collagen
- 5.

Answer : casein

• Question No. 16

Specific gravity of milk on addition of water

**Options :**

1. Decreases
2. increases
3. Remains unchanged
4. Sometime decreases sometime increases
- 5.

Answer : Decreases

- Question No. 17

Origin of Sahiwal breed of cow is from

**Options :**

1. India
2. Pakistan
3. Srilanka
4. Veitnam
- 5.

Answer : Pakistan

- Question No. 18

Chief carbohydrate in milk is called

**Options :**

1. fructose
2. Maltose
3. Sucrose
4. Lactose
- 5.

Answer : Lactose

- Question No. 19

Colostrum is

**Options :**

1. First milk drawn after parturition
2. Milk of first parturition
3. Milk after 2 weeks of parturition

4. Only Buffaloes milk

5.

Answer : First milk drawn after parturition

- Question No. 20

Temperature for homogenisation of milk

**Options :**

1. 30°C for 30 minutes

2. 65°C for 30 minutes

3. 90°C for 30 minutes

4. 110°C for 30 minutes

5.

Answer : 65°C for 30 minutes

- Question No. 21

Iron in milk is

**Options :**

1. Rich

2. Poor

3. Balanced

4. Absent

5.

Answer : Poor

- Question No. 22

Iodine is used in milk for detecting adulteration for



**Options :**

1. Starch
2. Water
3. Cow's milk in Buffalo's milk
4. Plant fat
- 5.

Answer : Starch

• Question No. 23

In artificial insemination

**Options :**

1. Embryo is transferred
2. Semen is harvested
3. Ovum is transferred
4. In vitro fertilisation
- 5.

Answer : Semen is harvested

• Question No. 24

Milk of cow is yellowish due to

**Options :**

1. Vitamin A
2. Carotene
3. Natural pigment
4. Xanthene
- 5.

Answer : Carotene

- Question No. 25

Which of the following is a Poverty Alleviation Programme?

**Options :**

1. PMGSY
2. DPAP
3. CAPART
4. NREGP
- 5.

Answer : NREGP

- Question No. 26

Individual who takes the responsibility of creating innovation of any kind from within the organization

**Options :**

1. Ultrapreneur
2. INTRAPRENEUR
3. Entrepreneur
4. Pseudopreneur
- 5.

Answer : INTRAPRENEUR

- Question No. 27

Communication invokes three phases, expression, interpretation and

**Options :**

1. Reception
2. Response
3. Transmission

4. Reselection

5.

Answer : Response

- Question No. 28

According to Barnard, a leader performs the following functions

**Options :**

1. Determination of objectives
2. Manipulation of means
3. Control of instrumentality of action
4. All of the above
- 5.

Answer : All of the above

- Question No. 29

The reinforcement of innovation decision making occurs at

**Options :**

1. Decision stage
2. Persuasion stage
3. Knowledge stage
4. Confirmation stage
- 5.

Answer : Confirmation stage

- Question No. 30

Innovators have a salient feature associated with them. It is

**Options :**

1. Respectable
2. Deliberate
3. Venturesome
4. Skeptical
- 5.

Answer : Venturesome

• Question No. 31

Adopter category is based on

**Options :**

1. Education
2. Innovation
3. Awareness
4. Innovativeness
- 5.

Answer : Innovativeness

• Question No. 32

A farmer can become an entrepreneur by

**Options :**

1. Adopting a new technology
2. By considering his farm as business operation
3. Learning new method of agriculture
4. Developing a new practice
- 5.

Answer : By considering his farm as business operation

- Question No. 33

A social process through cultural difference between 2 or more societies disappear and develop a common culture is called

**Options :**

1. Assimilation
2. Accommodation
3. Sanskritisation
4. diffusion
- 5.

Answer : Assimilation

- Question No. 34

Communication is

**Options :**

1. Telling something
2. Verbal process
3. Non verbal process
4. Both verbal and non verbal process
- 5.

Answer : Both verbal and non verbal process

- Question No. 35

\_\_\_\_\_ is an idea, practice or object that is perceived as new by an individual or other unit of adoption.

**Options :**

1. Communication

2. Diffusion
3. Innovation
4. invention
- 5.

Answer : Innovation

- Question No. 36

The unconsolidated debris overlying the hard, unweathered bedrock is called as

**Options :**

1. Lithosphere
2. Regolith
3. Pedosphere
4. Stratosphere
- 5.

Answer : Regolith

- Question No. 37

The comprehensive system of soil classification is popularly known as

**Options :**

1. 9th approximation
2. 10th approximation
3. 7th approximation
4. 8th approximation
- 5.

Answer : 7th approximation

- Question No. 38

The highest category of soil nomenclature is called as

**Options :**

1. Great group
2. Order
3. Series
4. Family
- 5.

Answer : Order

- Question No. 39

Which soil type cover the maximum area in India?

**Options :**

1. Red soil
2. Alluvial soil
3. Laterite soil
4. Black soil
- 5.

Answer : Alluvial soil

- Question No. 40

Which type of clay minerals is dominantly present in Vertisols?

**Options :**

1. Smectite
2. montmorillonite
3. Kaolinite
4. Illite
- 5.

Answer : Smectite

- Question No. 41

Which of the following is an example of 1:1 type of clay mineral ?

**Options :**

1. Vermiculite
2. Kaolinite
3. Talc
4. montmorillonite
- 5.

Answer : Kaolinite

- Question No. 42

the essentiality criteria of the nutrients was given by

**Options :**

1. Arnon and Stout
2. Cate and Nelson
3. Barber
4. Schoefield
- 5.

Answer : Arnon and Stout

- Question No. 43

Luxury consumption is observed in which of the following nutrients

**Options :**

1. K



2. P
3. N
4. S
- 5.

Answer : K

• Question No. 44

Which of the following is the algal symbiotic of Azolla responsible for biological N fixation?

**Options :**

1. Azotobacter
2. Azospirillum
3. Anabaena
4. None of the above
- 5.

Answer : Anabaena

• Question No. 45

bhindi yellow vein clearing disease is transmitted by

**Options :**

1. Aphis gossypii
2. Oligonychus indicus
3. Bemisia tabaci
4. Amarasca devastans
- 5.

Answer : Bemisia tabaci

• Question No. 46

dense webbing of rice grain in storage results due to

**Options :**

1. Angoumois grain moth
2. Rice weevil
3. Rice moth
4. red flour beetle
- 5.

Answer : Rice moth

- Question No. 47

bee wax contains

**Options :**

1. hydroxyl methyl furfural
2. lauryl acetate
3. myrisyl palmitate
4. n-acetyl glucose amine
- 5.

Answer : myrisyl palmitate

- Question No. 48

Epiricania melanoleuca, an ectoparasitoid is effective against

**Options :**

1. Sugarcaue mealy bug
2. Sugarcane while fly
3. sugarcane Pyrilla
4. sugarcane scale
- 5.

Answer : sugarcane Pyrilla

• Question No. 49

In which method of planting maximum number of plants per unit area can be accommodated

**Options :**

1. Square
2. Hexagonal
3. Rectangular
4. Quincunx
- 5.

Answer : Hexagonal

• Question No. 50

A soil is low in available N if the soil organic carbon is in the range of

**Options :**

1.  $<0.5\%$
2.  $< 0.75\%$
3.  $0.5-0.75\%$
4.  $< 1\%$
- 5.

Answer :  $<0.5\%$

• Question No. 51

In Urea N is present in which form ?

**Options :**

1. Amide

2. Nitrate
3. Nitrite
4. None of the above
- 5.

Answer : Amide

• Question No. 52

The critical level of nutrient concept was given by

**Options :**

1. Olsen
2. Brady
3. Cate and nelson
4. Darcy
- 5.

Answer : Cate and nelson

• Question No. 53

Two pairs of antennae are present in

**Options :**

1. Insect
2. Crustacean
3. Myriapoda
4. Arachnida
- 5.

Answer : Crustacean

• Question No. 54

Number of segments present in insect head is

**Options :**

1. Two
2. Four
3. Six
4. Seven
- 5.

Answer : Six

• Question No. 55

Silver shoot in rice produced by gall midge is the modification of

**Options :**

1. Leaf sheath
2. Leaf tip
3. Leaf base
4. Stem
- 5.

Answer : Stem

• Question No. 56

Eggs of mango mealy bug are laid on

**Options :**

1. Leaf
2. Soil
3. Tree trunk
4. Crevices
- 5.

Answer : Soil

• Question No. 57

non-chitinous layer of insect integument is

**Options :**

1. Epicuticle
2. endocuticle
3. epidermis
4. exocuticle
- 5.

Answer : Epicuticle

• Question No. 58

In cyclorrhapous dipterans, the fusion of corpora cardiaca corpora allata and prothoracic glands is known as

**Options :**

1. Crabers organ
2. Simpher's organ
3. Weissmans ring
4. Gyroscopic organ
- 5.

Answer : Weissmans ring

• Question No. 59

Vasiform orifice is a characteristic feature of

**Options :**

1. Delphacidae

2. Cercopidae
3. Aleyrodidae
4. Membracidae
- 5.

Answer : Aleyrodidae

• Question No. 60

Universal antidote is the mixture of activated charcoal : Tannic acid : MgO in the ratio of

**Options :**

1. 2:1:1
2. 1:2:1
3. 1: 1:2
4. 1:1.5:2
- 5.

Answer : 2:1:1

• Question No. 61

Mango variety which is suitable for high density planting (HDP)

**Options :**

1. RATNA
2. DASHERI
3. AMRAPALI
4. ALPHONSO
- 5.

Answer : AMRAPALI

• Question No. 62

Jelly in which fruit peels remain suspended is called as

**Options :**

1. Jam
2. Cordial
3. candy
4. marmalade
- 5.

Answer : marmalade

• Question No. 63

Buttoning is the problem in which of the following crops

**Options :**

1. Melon
2. Chillies
3. Okra
4. Cauliflower
- 5.

Answer : Cauliflower

• Question No. 64

Most Economic method of irrigation in orchard under water scarcity condition

**Options :**

1. Sprinkler system
2. Ring system
3. Drip system
4. Flooding system
- 5.



Answer : Drip system

- Question No. 65

Winter Banana is a variety of

**Options :**

1. Apple
2. Mango
3. Pear
4. Banana
- 5.

Answer : Apple

- Question No. 66

Where does India rank in production of fruits in the world ?

**Options :**

1. First
2. Second
3. Third
4. Fourth
- 5.

Answer : Second

- Question No. 67

Which one of the following is quickest method of establishing a lawn?

**Options :**

1. Dibbling

2. Turfing
3. Seeding
4. Turf plastering
- 5.

Answer : Turfing

• Question No. 68

Edible part of Knol-Khol is

**Options :**

1. Stem
2. Root
3. Leaf flower
4. None of the above
- 5.

Answer : Stem

• Question No. 69

Fruit of Papaya is botanically known as

**Options :**

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

Answer : Berry

• Question No. 70

In Aonla, intervarietal plantation is done due to

**Options :**

1. Shy bearing nature of Aonla
2. Presence of male sterility
3. Self incompatibility
4. Cross incompatibility
- 5.

Answer : Shy bearing nature of Aonla

• Question No. 71

Black heart is a physiological disorder of

**Options :**

1. Tomato
2. Cabbage
3. Potato
4. Okra
- 5.

Answer : Potato

• Question No. 72

Tungro disease of rice is caused by

**Options :**

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

Answer : Virus

- Question No. 73

Button mushroom belongs to the genus

**Options :**

1. Agaricus
2. Amantia
3. Pleurotus
4. Volvariella
- 5.

Answer : Agaricus

- Question No. 74

Meristem tip culture is followed for

**Options :**

1. Elimination of bacteria
2. Elimination of virus
3. Elimination of fungi
4. Elimination of nematodes
- 5.

Answer : Elimination of virus

- Question No. 75

Which of the following disease occurs due to deficiency of zinc in rice?

**Options :**

1. Khaira

2. Pamsukh
3. Blast
4. Akoichi
- 5.

Answer : Khaira

• Question No. 76

Powdery Mildew of fungi belongs to order

**Options :**

1. Erisiphales
2. Peronosporales
3. Mucorales
4. Uredinales
- 5.

Answer : Erisiphales

• Question No. 77

Cuscuta sp. is a

**Options :**

1. Total root parasite
2. Total stem parasite
3. Partial root parasite
4. Partial stem parasite
- 5.

Answer : Total stem parasite

• Question No. 78

which disease was responsible for the Great Bengal Famine in 1942-43 ?

**Options :**

1. Late blight of Potato
2. Brown Spot of Rice
3. Rice Blast
4. Wheat Rust
- 5.

Answer : Brown Spot of Rice

- Question No. 79

Genetic material in tobacco mosaic virus is:

**Options :**

1. DNA
2. RNA
3. DNA OR RNA
4. DNA AND RNA BOTH
- 5.

Answer : RNA

- Question No. 80

Scientist Who discovered Transduction in bacteria

**Options :**

1. Leaderberg and tatum
2. Zinder and leaderberg
3. Leeuwenhoek
4. Louis Pasteur
- 5.

Answer : Zinder and leaderberg

- Question No. 81

Casein is obtained from

**Options :**

1. Milk
2. Wheat
3. Maize
4. Barley
- 5.

Answer : Milk

- Question No. 82

Late Blight of Potato is caused by

**Options :**

1. Phytophthora infestans
2. Altenaria solani
3. Streptomyces scabies
4. None of the above
- 5.

Answer : Phytophthora infestans

- Question No. 83

soil sarrounding living root is known as

**Options :**

1. Rhizosphere

2. Rhizoids
3. Rhizoplane
4. Rhizomorph
- 5.

Answer : Rhizosphere

• Question No. 84

Magnesium is an important constituent of :

**Options :**

1. Phytochrome
2. Xanthophyll
3. Chlorophyll
4. Haem protein
- 5.

Answer : Chlorophyll

• Question No. 85

Plants of which family are reported to assimilate CO<sub>2</sub> in night

**Options :**

1. Crassulaceae
2. Cucurbitaceae
3. Malvaceae
4. Leguminoceae
- 5.

Answer : Crassulaceae

• Question No. 86



In line soil the movement (loss) of water from root to soil occur through one of the following process

**Options :**

1. Guttation
2. Exo-osmosis
3. Leaching
4. Evaporation
- 5.

Answer : Exo-osmosis

• Question No. 87

Which one is Amino acid among the following ?

**Options :**

1. Oxalic acid
2. Proline
3. Carbonic acid
4. Malic acid
- 5.

Answer : Proline

• Question No. 88

Kranz anatomy is found in the leaves of

**Options :**

1. Potato
2. Groundnut
3. Maize
4. Cauliflower
- 5.

Answer : Maize

- Question No. 89

Which one of the following is  $C_4$  Plant?

**Options :**

1. Wheat
2. Rice
3. sugarcane
4. mango
- 5.

Answer : sugarcane

- Question No. 90

Which one has epigeal type of seed germination?

**Options :**

1. Sorghum
2. Bean
3. Barley
4. Turmeric
- 5.

Answer : Bean

- Question No. 91

Interveinal chlorosis in young leaves is caused due to the deficiency of

**Options :**

1. Nitrogen

2. Boron
3. iron
4. Zinc
- 5.

Answer : iron

• Question No. 92

Gibbrellin enhances

**Options :**

1. Stunting
2. Elongation
3. Rooting
4. Transpiration
- 5.

Answer : Elongation

• Question No. 93

In reduction reaction what happens?

**Options :**

1. Water is lost
2. Hydrogen is lost
3. Hydrogen is added
4. Oxygen is added
- 5.

Answer : Hydrogen is added

• Question No. 94

Fruit setting is done through parthenocarpic process in one of the following

**Options :**

1. Guava
2. Mango
3. Apple
4. Banana
- 5.

Answer : Banana

• Question No. 95

In living plant cell conversion of Pyruvic acid into  $\text{CO}_2$  and energy is called

**Options :**

1. Glycolysis
2. Krebs cycle
3. Photorespiration
4. Carbon transformation
- 5.

Answer : Krebs cycle

• Question No. 96

As compared to main bacterial chromosome, the size of an episome is

**Options :**

1. 1/20
2. 1/30
3. 1/40
4. 1/10
- 5.

Answer : 1/10

• Question No. 97

Breeding value of an individual is

**Options :**

1. Sum of average effect of genes
2. Difference of average effect of gene
3. Difference of additive and dominance effects of genes
4. Sum of additive and dominance effects of genes
- 5.

Answer : Sum of average effect of genes

• Question No. 98

The scientist who demonstrated sexuality in bacteria

**Options :**

1. leeuwenhoek and kola
2. Lederberg and Tatum
3. Kircher and Koch
4. Louis Pasteur and nicholas
- 5.

Answer : Lederberg and Tatum

• Question No. 99

Term mutation breeding was given by

**Options :**

1. Hugo de vries

2. Muller
3. Jones
4. Nilson-ehle
- 5.

Answer : Hugo de vries

• Question No. 100

Cell of gram positive bacteria has a larger component of

**Options :**

1. Phospholipid
2. Peptidoglycan
3. Methylamine
4. None of the above
- 5.

Answer : Peptidoglycan

• Question No. 101

In india hybrid rice seed production is done through

**Options :**

1. One line system
2. Three line system
3. Two line system
4. All of these
- 5.

Answer : Three line system

• Question No. 102

Hardy-Weinberg law is applicable for maintenance of genetic purity of

**Options :**

1. inbred lines
2. Open pollinated Variety
3. Hybrids
4. Pureline
- 5.

Answer : Open pollinated Variety

• Question No. 103

Most effective mutagen for cytoplasmic genes is

**Options :**

1. EMS
2. MMS
3. Ethidium bromide
4. Sodium azide
- 5.

Answer : Ethidium bromide

• Question No. 104

Pbr322 is

**Options :**

1. DEGRADATION PLASMID
2. RECONSTRUCTION PLASMID
3. TOXIN PRODUCING PLASMID
4. WALKING PLASMID
- 5.

Answer : RECONSTRUCTION PLASMID

- Question No. 105

Which one of the FOLLOWING does not obey Mendel's law

**Options :**

1. Linkage
2. Independent assortment
3. dominance
4. Purity of gametes
- 5.

Answer : Linkage

- Question No. 106

In a DNA sequence if A and T comprises of 60 %, the percentage of C will be

**Options :**

1. 30%
2. 20%
3. 45 %
4. 15%
- 5.

Answer : 20%

- Question No. 107

Which of the following is not true about DNA?

**Options :**

1. Nitrogen bases are 0.34 nm apart on a DNA strand



2. The double helix is 2.0 nm wide
3. The double helix is 3.4 nm wide
4. A pairs with G and G pairs with C
- 5.

Answer : The double helix is 2.0 nm wide

• Question No. 108

WHEN THE demand changes due to increase in its own price, it is known as

**Options :**

1. Expansion in demand
2. Contraction in demand
3. Decrease in demand
4. Increase in demand
- 5.

Answer : Expansion in demand

• Question No. 109

Which holds good at Break Even Point ?

**Options :**

1. Marginal Return = Marginal Cost
2. Total Return > Total Cost
3. Marginal Return > Marginal Cost
4. Total Return = Total Cost
- 5.

Answer : Total Return = Total Cost

• Question No. 110

Setting a price below that of the competition is called

**Options :**

1. Psychological pricing
2. Price skimming
3. Competitive pricing
4. Penetration pricing
- 5.

Answer : Penetration pricing

- Question No. 111

In marketing, place utility is created through

**Options :**

1. Transport
2. Grading
3. Processing
4. Insurance
- 5.

Answer : Transport

- Question No. 112

Which is not a method used in national income accounting?

**Options :**

1. Output method
2. Expenditure method
3. Income method
4. Export method
- 5.

Answer : Export method

- Question No. 113

All the following curves are U shaped except

**Options :**

1. AVC curve
2. AFC curve
3. MC curve
4. ATC curve
- 5.

Answer : AFC curve

- Question No. 114

What distinguish an economic good from a free good?

**Options :**

1. Equality in supply and demand
2. Magnitude in utility
3. Value in use
4. Value in exchange
- 5.

Answer : Value in exchange

- Question No. 115

Cellular telecommunication market in india is example of

**Options :**

1. Monopoly market

2. Oligopoly market
3. Duopoly market
4. Perfectly competitive market
- 5.

Answer : Oligopoly market

• Question No. 116

The essence of Engel's law is that as family incomes rises

**Options :**

1. The savings rate increases
2. The proportion of income spent on food declines
3. Expenditure on food declines
4. Proportion of income spent on luxuries declines
- 5.

Answer : The proportion of income spent on food declines

• Question No. 117

The law that determines best use of limited resources among alternative use is known as

**Options :**

1. Law of equi marginal return
2. Law of supply
3. Law of demand
4. Law of variable proportion
- 5.

Answer : Law of equi marginal return

• Question No. 118

Who is known as the father of economics?

**Options :**

1. Adam smith
2. Alfred marshel
3. MS swaminathan
4. None of the above
- 5.

Answer : Adam smith

- Question No. 119

Where is Indian institute of vegetable research situated?

**Options :**

1. KANPUR
2. LUCKNOW
3. VARANASI
4. NEW DELHI
- 5.

Answer : VARANASI

- Question No. 120

Grey speck of oat is caused due to deficiency of

**Options :**

1. Mn
2. N
3. Fe
4. K
- 5.

Answer : Mn

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