

• Question No.1

Indian Council of Agricultural Research was established in the year

Options :

1. 1926
2. 1929
3. 1936
4. None of the above
- 5.

Answer : 1929

• Question No.2

Indian Father of Green Revolution is known as

Options :

1. Dr. G. S. Khush
2. Dr. Norman E. Borlaug
3. Dr. M. S. Swaminathan
4. Dr. B. P. Pal
- 5.

Answer : Dr. M. S. Swaminathan

• Question No.3

The Headquarters of International Rice Research Institute is located at

Options :

1. Rome, Italy
2. Los Banos, Philippines

3. Mexico
4. Hyderabad, India
- 5.

Answer : Los Banos, Philippines

• Question No. 4

Presently which of the following chemical fertilizers is not produced in India and is being imported?

Options :

1. Triple superphosphate
2. Ammonium sulphate
3. Potassium sulphate
4. All of the above
- 5.

Answer : Potassium sulphate

• Question No. 5

National Institute of Biotic Stress Management was established at which place and in which year?

Options :

1. Labhandi, Raipur and 1987
2. Baramati and 2009
3. Baronda, Raipur and 2012
4. Barrackpore and 2010
- 5.

Answer : Baronda, Raipur and 2012

• Question No. 6

Who coined the term 'Green Revolution'?

Options :

1. William Gaud
2. M. S. Swaminathan
3. Dr. Norman E. Borlaug
4. C. Subramanian
- 5.

Answer : William Gaud

• Question No. 7

The impact of Green Revolution was largely noted in

Options :

1. rice only
2. wheat only
3. rice and wheat
4. rice, wheat and pulses
- 5.

Answer : rice and wheat

• Question No. 8

Which of the following is a cereal crop?

Options :

1. Linseed
2. Wheat
3. Castor
4. Cowpea
- 5.

Answer : Wheat

- Question No. 9

Phalaris minor is of is an important weed

Options :

1. rice
2. wheat
3. maize
4. groundnut
- 5.

Answer : wheat

- Question No. 10

IGKVR-1 (Rajeshwari) is a variety of

Options :

1. rice
2. wheat
3. gram
4. safflower
- 5.

Answer : rice

- Question No. 11

Which one is central to soil health?

Options :

1. Soil microorganism
2. Soil moisture
3. Soil organic carbon

4. Soil structure

5.

Answer : Soil organic carbon

• Question No. 12

The theme of agricultural development in India during 2016-2017 is

Options :

1. more from more

2. more from less

3. less from more

4. more drop less crop

5.

Answer : more from less

• Question No. 13

The total food grain production in India during 2014-2015 estimated approximately was

Options :

1. 260 million tonnes.

2. 255 million tonnes

3. 280 million tonnes.

4. 301 million tonnes

5.

Answer : 255 million tonnes

• Question No. 14

The Father of Blue Revolution is

Options :

1. Dr. R. S. Paroda
2. Dr. M. S. Swaminathan
3. Dr. Norman E. Borlaug
4. Dr. Hiralal Chaudhary
- 5.

Answer : Dr. Hiralal Chaudhary

• Question No. 15

Which one of the following fertilizers is known as 'Kisan Khad'?

Options :

1. Urea
2. Calcium ammonium nitrate
3. Ammonium sulphate
4. None of the above
- 5.

Answer : Calcium ammonium nitrate

• Question No. 16

Flooding method of irrigation is used, when

Options :

1. field is levelled
2. enough water is available easily
3. Both (A) and (B)
4. water is limited
- 5.

Answer : Both (A) and (B)

- Question No. 17

Which of the following is a long-term effect of urea application?

Options :

1. Soil becomes neutral
2. Soil becomes acidic
3. Soil becomes saline
4. None of the above
- 5.

Answer : Soil becomes acidic

- Question No. 18

Double zero rapeseed and mustard varieties refer to

Options :

1. low content of crucic acid
2. low content of glycosinolate
3. low content of both crucic acid and glycosinolate
4. None of the above
- 5.

Answer : low content of both crucic acid and glycosinolate

- Question No. 19

Which one is the aerobic variety of rice in Chhattisgarh?

Options :

1. Chhattisgarh Aerobic-1
2. Chhattisgarh Aerobic-2
3. Indira Aerobic-1

4. Indira Aerobic-2

5.

Answer : Indira Aerobic-1

- Question No. 20

Which of the following is abbreviated as 2,4-D?

Options :

1. 2,4-diphenolic acid
2. 2,4-dichlorophenoxy acetic acid
3. 2,4-diphenoxy acetic acid
4. None of the above
- 5.

Answer : 2,4-dichlorophenoxy acetic acid

- Question No. 21

In which crop earthing is not required?

Options :

1. Sugarcane
2. Sunflower
3. Potato
4. Rice
- 5.

Answer : Rice

- Question No. 22

Crop should be harvested at

Options :

1. physiological maturity
2. real maturity
3. over maturity
4. None of the above
- 5.

Answer : physiological maturity

• Question No. 23

Chhattisgarh Madhuraj 55 is a rice variety having

Options :

1. low zinc
2. high zinc
3. low glysemic index
4. high glysemic index
- 5.

Answer : low glysemic index

• Question No. 24

The Central Arid Zone Research Institute, Jodhpur was established in

Options :

1. 1952
2. 1957
3. 1959
4. 1961
- 5.

Answer : 1952

- Question No. 25

The temporary roots in maize root system are

Options :

1. seminal roots
2. aerial roots
3. crown roots
4. coronal roots
- 5.

Answer : seminal roots

- Question No. 26

Tensiometer was first Used for scheduling irrigation by

Options :

1. Richards
2. Taylor
3. Miller
4. All of them
- 5.

Answer : Richards

- Question No. 27

Which of the following can be used as foliar spray?

Options :

1. Single superphosphate
2. Calcium ammonium nitrate
3. Urea

4. Ammonium sulphate

5.

Answer : Urea

- Question No. 28

Argimone Mexicana is a

Options :

1. obligate weed
2. facultative weed
3. Both (A) and (B)
4. None of the above
- 5.

Answer : facultative weed

- Question No. 29

Aroma in scented rice is due to the presence of

Options :

1. 1-acetylcysteine
2. 2-acetylcysteine
3. 1-acetylcysteine
4. 2-acetylcysteine
- 5.

Answer : 2-acetylcysteine

- Question No. 30

Congress grass is

Options :

1. Cynodon dactylon
2. Digitalis purpurea
3. Cymbopogon citratus
4. Parthenium hysterophorus
- 5.

Answer : Parthenium hysterophorus

• Question No. 31

Specific yield is also known as

Options :

1. drainable porosity
2. effective rainfall
3. soil moisture
4. available water
- 5.

Answer : drainable porosity

• Question No. 32

Rainfall erosion depends upon the following except one. Identify the odd one.

Options :

1. Rainfall intensity
2. Soil type
3. Vegetation cover
4. Soil temperature
- 5.

Answer : Soil temperature

- Question No. 33

Water level recorder is used in

Options :

1. dug wells
2. tube wells
3. streams
4. drainage measurement
- 5.

Answer : streams

- Question No. 34

The water requirement of groundnut crop is

Options :

1. 400-600 mm
2. 1000-1100 mm
3. 200-300 mm
4. 800-900 mm
- 5.

Answer : 400-600 mm

- Question No. 35

Which crop has the highest irrigated area in India after rice and wheat?

Options :

1. Soybean
2. Sugarcane
3. Groundnut

4. Pulse

5.

Answer : Sugarcane

- Question No. 36

Which State in India has the highest irrigated area?

Options :

1. Tamil Nadu

2. Haryana

3. Punjab

4. Gujarat

5.

Answer : Punjab

- Question No. 37

The number of village tanks in Chhattisgarh is approximately

Options :

1. 1200 +

2. 20000 +

3. 38000+

4. 100000 +

5.

Answer : 1200 +

- Question No. 38

The Irrigation Commission in India made recommendations in

Options :

1. 1972
2. 1985
3. 2000
4. 2010
- 5.

Answer : 1972

- Question No. 39

Irrigation is not measured in which of the following units?

Options :

1. litre
2. hectare-centimeter
3. millimeter
4. cubic meter per second
- 5.

Answer : litre

- Question No. 40

Soil moisture is not measured by

Options :

1. gravimetric method
2. gypsum block
3. psychrometer
4. neutron meter
- 5.

Answer : neutron meter

- Question No. 41

Aridity index indicates

Options :

1. water availability
2. degree of dryness
3. saturation level
4. moisture level
- 5.

Answer : degree of dryness

- Question No. 42

Cyclones in the Bay of Bengal usually occur during the period.

Options :

1. January-February
2. March-April
3. July-August
4. November-December
- 5.

Answer : July-August

- Question No. 43

Which one of the following is not a weather hazard?

Options :

1. Drought
2. Flood
3. Frost

4. Earthquake

5.

Answer : Earthquake

- Question No. 44

Seed germination depends on

Options :

1. temperature

2. wind

3. atmospheric humidity

4. seed weight

5.

Answer : temperature

- Question No. 45

Respiration occurs

Options :

1. during day time

2. during night time.

3. always

4. on a cloudy day

5.

Answer : always

- Question No. 46

Harvest index is the ratio of

Options :

1. yield to height
2. yield to leaf weight
3. economic yield to biological yield
4. yield to evapotranspiration
- 5.

Answer : economic yield to biological yield

• Question No. 47

The average drop of air with height (lapse rate) in troposphere is

Options :

1. 6.5 °C/km
2. 10-2 °C/km
3. 8.5 °C/km
4. 4.5 °C/km
- 5.

Answer : 6.5 °C/km

• Question No. 48

The unit of pressure designated by international system (SI) is

Options :

1. inch
2. millibar
3. centimeter
4. pascal
- 5.

Answer : pascal

- Question No. 49

The approximate distance between the sun and the earth is

Options :

1. 80 million km
2. 1000 million km
3. 1200 million km
4. 1500 million km
- 5.

Answer : 1500 million km

- Question No. 50

Which crop usually shows greater stomatal resistance?

Options :

1. Alfalfa
2. Soybean
3. Sorghum
4. Wheat
- 5.

Answer : Sorghum

- Question No. 51

Which part of the insect's exoskeleton is composed of living cells?

Options :

1. Procuticle
2. Epidermis
3. Cuticulin layer

4. Basement membrane

5.

Answer : Epidermis

• Question No. 52

An insect's head is specialized for

Options :

1. reproduction and digestion

2. ingestion and perception

3. orientation and locomotion

4. adaptation and respiration

5.

Answer : ingestion and perception

• Question No. 53

What is the unit of LD50 ?

Options :

1. milligrams/gram of insect body weight

2. kilogram/gram of insect body weight

3. gram/gram of insect body weight

4. milligrams/kilogram of insect body weight

5.

Answer : milligrams/kilogram of insect body weight

• Question No. 54

In an IPM program, which control is considered first?

Options :

1. Cultural
2. Chemical
3. Mechanical
4. Legislative
- 5.

Answer : Cultural

• Question No. 55

Which of the following is a method of insect control? not

Options :

1. Cultural
2. Mechanical
3. Biological
4. All are methods of control
- 5.

Answer : All are methods of control

• Question No. 56

Which structures are not endocrine organs of insects?

Options :

1. Corpora cardiaca
2. Prothoracic glands
3. Salivary glands
4. Ventral ganglia
- 5.

Answer : Salivary glands

- Question No. 57

The scientific and commercial method of beekeeping for the production of honey and wax is called

Options :

1. apiculture
2. sericulture
3. silviculture
4. pisciculture
- 5.

Answer : apiculture

- Question No. 58

Which of the following insect pests is also called the lesser grain borer?

Options :

1. Trogoderma granarium
2. Tribolium castaneum
3. Calandra oryzae
4. Rhizopertha dominica
- 5.

Answer : Rhizopertha dominica

- Question No. 59

Obligate diapause is usually observed in which insect?

Options :

1. Univoltine sp
2. Bivoltine sp.
3. Multivoltine sp.

4. None of the above

5.

Answer : Univoltine sp

- Question No. 60

Which insects do not belong to the order Diptera?

Options :

1. Mosquitoes

2. Gnats

3. Midges

4. Whiteflies

5.

Answer : Whiteflies

- Question No. 61

Alluvial soils are formed by

Options :

1. the deposition of sediments by rivers, its tributaries and other streams

2. erosion of uplands

3. landslides in hill areas

4. None of the above

5.

Answer : the deposition of sediments by rivers, its tributaries and other streams

- Question No. 62

The cause of formation of salt- affected soils, consisting of saline and alkaline soils is

Options :

1. inundation of tidal water in coastal areas
2. deposition of salts soil on surface through capillaries as a result of over-irrigation
3. Both (A) and (B)
4. None of the above
- 5.

Answer : Both (A) and (B)

• Question No. 63

Most of the uplands of Chhattisgarh are

Options :

1. alluvial
2. saline
3. alkaline
4. acidic
- 5.

Answer : acidic

• Question No. 64

The deficiency of which nutrient causes slow and stunted plant growth, and purple colouration of the older leaves particularly on the underside?

Options :

1. Nitrogen
2. Phosphorus
3. Potassium
4. All of the above
- 5.

Answer : Phosphorus

• Question No. 65

The term that relates to

1. physiological disorder that occurs due to the deficiency of mineral elements (e.g., Mn, K, Zn, Fe, Mg, S and N)
2. a condition in which leaves or plant parts become abnormally yellow

is called

Options :

1. chlorosis
2. mottled
3. necrosis
4. None of the above
- 5.

Answer : chlorosis

• Question No. 66

Land capability classes are designated by the numbers 1 to 8. What do the numbers indicate?

Options :

1. The numbers indicate progressively lower limitations and narrower choices for practical use
2. The numbers indicate progressively greater limitations and broader choices for practical use
3. The numbers indicate progressively greater limitations and narrower choices for practical use
4. None of the above
- 5.

Answer : The numbers indicate progressively greater limitations and narrower choices for practical use

• Question No. 67

Bhata (entisols) of Chhattisgarh belongs to which textural group or texture?

Options :

1. Gravelly, coarse sandy to loamy
2. Sandy loam
3. Sandy clay loam
4. Clayey soil
- 5.

Answer : Gravelly, coarse sandy to loamy

- Question No. 68

In majority of the cases soil pH for optimal plant growth is

Options :

1. >7-5
2. between 6-0 to 8:0
3. between 5.5 to 7:0
4. None of the above
- 5.

Answer : between 5.5 to 7:0

- Question No. 69

Soil testing provides

Options :

1. nutrient content of soil
2. additional nutrient required for plants
3. site-specific management plan
4. All of the above
- 5.

Answer : All of the above

• Question No. 70

A well-known practice to ensure adequate nitrogen of legumes in lieu of N-fertilizer is

Options :

1. rhizobium
2. azotobacter
3. azospirillum
4. None of the above
- 5.

Answer : rhizobium

• Question No. 71

Mendel's law of segregation is based on the fact that genes are located on chromosomes and that

Options :

1. homologous chromosomes pair and segregate
2. no crossing over takes place between homologous chromosomes
3. analogous chromosomes pair and segregate
4. None of the above
- 5.

Answer : homologous chromosomes pair and segregate

• Question No. 72

The condition in which a particular gene occurs in three or more allelic forms is called

Options :

1. pleiotropy

2. homeostasis
3. multiple allelism
4. linkage
- 5.

Answer : multiple allelism

• Question No. 73

The cytoplasmic inheritance shows which type of differences?

Options :

1. Reciprocal
2. Criss-cross
3. Quantitative
4. All of the above
- 5.

Answer : Reciprocal

• Question No. 74

Watson and Crick's double-helical model was proposed based on

Options :

1. Chargaff's chemical analysis of DNA
2. Wilkins and Franklin's X-ray diffraction data
3. Both (A) and (B)
4. their own findings
- 5.

Answer : Both (A) and (B)

• Question No. 75

The pyrimidine base that replaces thymine in RNA as against DNA is

Options :

1. uracil
2. guanine
3. cytosine
4. adenine
- 5.

Answer : uracil

- Question No. 76

The first step of plant breeding is

Options :

1. creation of variability
2. selection
3. hybridization
4. multiplication
- 5.

Answer : creation of variability

- Question No. 77

Which of the following is an asexual reproduction?

Options :

1. Artificial vegetative reproduction
2. Apomixis
3. Natural vegetative reproduction
4. All of the above
- 5.

Answer : All of the above

• Question No. 78

The superiority of heterozygous genotype in respect to one or more traits in comparison to corresponding homozygotes is known as

Options :

1. heterobeltiosis
2. inbreeding
3. relative heterosis
4. heterosis
- 5.

Answer : heterosis

• Question No. 79

A complete flower will always be

Options :

1. actinomorphic
2. bisexual
3. zygomorphic
4. All of the above
- 5.

Answer : bisexual

• Question No. 80

A silent mutation causes

Options :

1. frameshift
2. tautomeric shift
3. mispairing
4. No effect
- 5.

Answer : No effect

- Question No. 81

The word 'extension education' was originated in which country?

Options :

1. America
2. France
3. England
4. Germany
- 5.

Answer : England

- Question No. 82

Who is known as the father of 'university extension'?

Options :

1. J. Paul Leagan
2. James Stuart
3. Smith Lever
4. L. D. Kelsey
- 5.

Answer : James Stuart

- Question No. 83

The theory of extension education is based on

Options :

1. democracy
2. communism
3. bureaucracy
4. socialism
- 5.

Answer : democracy

- Question No. 84

The fundamental objective extension education is of

Options :

1. integrated development of agriculture
2. overall development of human being
3. livestock development
4. economic development of nation
- 5.

Answer : overall development of human being

- Question No. 85

Social stratification is

Options :

1. method of dividing the social relationships
2. analysis of level of village institutions
3. impact of political institutions on society

4. accounting of economic condition of rural society

5.

Answer : method of dividing the social relationships

• Question No. 86

The first KVK of India was started at which place?

Options :

1. Pusa, New Delhi

2. Pondicherry

3. Bilaspur (CG)

4. Thiruvananthapuram

5.

Answer : Pondicherry

• Question No. 87

Community Development Programme was started on

Options :

1. 15 August, 1955

2. 2 October, 1952

3. 26 January, 1965

4. 19 May, 1975

5.

Answer : 2 October, 1952

• Question No. 88

The full form of IAAP is

Options :

1. Indian Agriculture Adoption Project
2. Integrated Agriculture Area Programme
3. Intensive Agriculture Area Programme
4. Indian Agriculture Area Project
- 5.

Answer : Intensive Agriculture Area Programme

• Question No. 89

Intensive Agriculture District Programme was started in

Options :

1. 1955-56
2. 1974-75
3. 1982-83
4. 1960-61
- 5.

Answer : 1960-61

• Question No. 90

Lab to Land Programme was launched by

Options :

1. Indian Council of Agricultural Research
2. Panchayat and Rural Development Department
3. Indian Agricultural Institute Research
4. Ministry of Agriculture and Farmers' Welfare, Govt. of India
- 5.

Answer : Indian Council of Agricultural Research

- Question No. 91

Growth-oriented definition of Economics is given by

Options :

1. Alfred Marshall
2. A. C. Pigou
3. Paul Samuelson
4. None of them
- 5.

Answer : Paul Samuelson

- Question No. 92

How many divisions are there in Economics?

Options :

1. Five
2. Four
3. Three
4. None of the above
- 5.

Answer : Five

- Question No. 93

Which statement is not correct about Law of Demand?

Options :

1. It shows the functional relationship between price and quantity demanded
2. It shows inverse relationship between price and demand
3. It is a quantitative statement

4. None of the above

5.

Answer : It is a quantitative statement

• Question No. 94

Increase in demand is not the result of

Options :

1. change in prices of the commodity
2. change in the income of the consumers
3. change in the prices of substitute goods
4. None of the above
- 5.

Answer : change in prices of the commodity

• Question No. 95

The slope of the demand curve is

Options :

1. positive
2. negative
3. zero
4. None of the above
- 5.

Answer : negative

• Question No. 96

Returns to scale is related to

Options :

1. very short period
2. short period
3. long period
4. None of the above
- 5.

Answer : long period

• Question No. 97

Which is not a part of Farm Management?

Options :

1. Production of crops
2. Minimum support price
3. Export and import
4. Agricultural credit
- 5.

Answer : Export and import

• Question No. 98

Which is not the subject matter of Agricultural Economics?

Options :

1. Horticulture
2. Animal Husbandry
3. Prime Minister Gram Sadak Yojana
4. None of the above
- 5.

Answer : Prime Minister Gram Sadak Yojana

- Question No. 99

How many agricultural products MSP determined by the Agricultural Costs and Price Commission?

Options :

1. 13
2. 21
3. 24
4. None of the above
- 5.

Answer : 24

- Question No. 100

Which is the driver of increasing agricultural productivity of small and marginal farmers in India?

Options :

1. Agricultural Research and Investment
2. Access to modern inputs
3. Appropriate technology with innovative marketing system
4. All of the above
- 5.

Answer : All of the above

- Question No. 101

The phenomenon of bolting occurs. in

Options :

1. biennials
2. perennials
3. annuals

4. herbs

5.

Answer : biennials

- Question No. 102

Full slip stage is the indication of maturity in which of the following crops?

Options :

1. Cucumber
2. Muskmelon
3. Bitter gourd
4. Long melon
- 5.

Answer : Muskmelon

- Question No. 103

Zeno is a variety of

Options :

1. asparagus
2. carrot
3. radish
4. turnip
- 5.

Answer : carrot

- Question No. 104

Bhima Shubhra is a variety of

Options :

1. banana
2. mango
3. onion
4. potato
- 5.

Answer : onion

• Question No. 105

CNSL is extracted from the fruits of

Options :

1. almond
2. coconut
3. cashew nut
4. castor
- 5.

Answer : cashew nut

• Question No. 106

Pekoe is related to the crop

Options :

1. tea
2. coffee
3. rubber
4. oil palm
- 5.

Answer : tea

- Question No. 107

Bareja is used for cultivation of

Options :

1. tea
2. betelvine
3. coffee
4. black pepper
- 5.

Answer : betelvine

- Question No. 108

Rose supreme is the variety of

Options :

1. Gladiolus
2. Rose
3. Chrysanthemum
4. Anthurium
- 5.

Answer : Gladiolus

- Question No. 109

Options :

1. cut flower
2. garland
3. loose flower
4. Ikebana

5.

Answer : cut flower

• Question No. 110

Chhatri is a popular variety of_____ fruit crop.

Options :

1. ber
2. beal
3. sapota
4. litchi
- 5.

Answer : sapota

• Question No. 111

Which of the following statements is correct?

1. Training provides strong framework.
2. Pruning is done to encourage vegetative growth.
3. Wide crotch angle is desired in training.
4. Pruning is required to obtain regular bearing.
5. Making a notch above bud is notching.

Options :

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

5.

Answer : 1, 3, 4 and 5

• Question No. 112

The relation between percent and p.p.m. during preparation of plant growth regulator is

Options :

1. 1% 100 p.p.m.
2. 1% 1000 p.p.m.
3. 1% 10000 p.p.m.
4. 1% 100000 p.p.m.
- 5.

Answer : 1% 10000 p.p.m.

• Question No. 113

Which are true examples of formal garden?

Options :

1. Rashtrapati Bhavan Garden (Delhi), Shalimar Bag (Lahore) and Taj Mahal Garden (Agra)
2. Lalbag (Bengaluru), Kamala Nehru park (Mumbai) and Botanical Garden (Kolkata)
3. Udhagamandalam (Chennai), Lalbag (Bengaluru) and Taj Mahal (Agra)
4. Brindavan Garden (Mysuru), Rajendra Giri Park (Panchmarhi) and Maitri bagh (Bhilai)
- 5.

Answer : Rashtrapati Bhavan Garden (Delhi), Shalimar Bag (Lahore) and Taj Mahal Garden (Agra)

• Question No. 114

Top working in old plants is done

Options :

1. to transfer the tree
2. to train the tree
3. to rejuvenate the tree
4. All of the above
- 5.

Answer : to rejuvenate the tree

- Question No. 115

Multitier farming is practised in which State?

Options :

1. Kerala
2. Assam
3. Telangana
4. All of the above
- 5.

Answer : Kerala

- Question No. 116

Calculate cropping intensity of the farm having 10 ha acreage with following details

| Crop | Cropped area(ha) |
|--------|------------------|
| Kharif | 10 |
| Rabi | 8 |
| Zaid | 6 |

Options :

1. 100%
2. 120%

3. 240%

4. 300%

5.

Answer : 240%

• Question No. 117

Breeder seed is the progeny of

Options :

1. nucleus seed

2. foundation seed

3. registered seed

4. certified seed

5.

Answer : nucleus seed

• Question No. 118

Stenospermocarpy refers to

Options :

1. formation of Seed without fertilization

2. formation of papery seed

3. abortion of embryo

4. embryo rescue

5.

Answer : abortion of embryo

• Question No. 119

Elephant Foot Yam is a

Options :

1. rhizome
2. corm
3. bulb
4. sucker
- 5.

Answer : corm

• Question No. 120

Mist chamber is used

Options :

1. for seed production
2. to induce flowering
3. for propagation
4. All of the above
- 5.

Answer : for propagation

• Question No. 121

When something in the landscape is repeated with a standard interval, it is called

Options :

1. balance
2. focalization
3. proportion
4. rhythm and line
- 5.

Answer : rhythm and line

- Question No. 122

The relationship of size of all the features in landscape is

Options :

1. principle of balance
2. principle of proportion
3. principle of focalization
4. principle of rhythm and line
- 5.

Answer : principle of proportion

- Question No. 123

Windbreaks are planted in which direction?

Options :

1. North and West
2. South and West
3. South and East
4. North and East
- 5.

Answer : North and West

- Question No. 124

Which planting system accommodates maximum plants?

Options :

1. Rectangular system
2. Triangular system
3. Hexagonal system

4. None of these

5.

Answer : Hexagonal system

- Question No. 125

Which irrigation system has maximum water-use efficiency?

Options :

1. Sprinkler system
2. Drip irrigation system
3. Bubbler system
4. Ring basin system
- 5.

Answer : Drip irrigation system

- Question No. 126

Which soil requires frequent irrigation?

Options :

1. Black cotton soil
2. Clay soil
3. Clay loam soil
4. Sandy loam soil
- 5.

Answer : Sandy loam soil

- Question No. 127

Scheduling of irrigation depends on

Options :

1. soil moisture
2. evapotranspiration
3. plant growth stage
4. All of the above
- 5.

Answer : All of the above

• Question No. 128

Calculate water requirement of a plant using following details :

Pan evaporation-6 mm

Row to row spacing-10 m

Plant to plant spacing-10 m

Crop factor-0.6

Pan factor-0.7

Wetted area-0.2

Options :

1. 50-4 lit/day
2. 50-4 lit/week
3. 50-4 lit/month
4. 50-4 lit/hr
- 5.

Answer : 50-4 lit/day

• Question No. 129

Meadow orcharding refers to

Options :

1. planting trees at normal spacing
2. planting trees at ultra-low spacing
3. planting trees at lower spacing
4. planting trees at wider spacing
- 5.

Answer : planting trees at ultra-low spacing

- Question No. 130

_____ % plants are kept as pollinators in the orchard.

Options :

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

Answer : 10

- Question No. 131

When DNA replication starts

Options :

1. the phosphodiester bonds between the adjacent nucleotide break
2. the bonds between the nitrogen base and deoxyribose sugar break
3. the leading strand produces Okazaki fragments
4. the hydrogen bonds between the nucleotides of two strands break
- 5.

Answer : the hydrogen bonds between the nucleotides of two strands break

- Question No. 132

Sex determination in plants was extensively investigated in

Options :

1. Pisum sativum
2. Phaseolus vulgaris
3. Melondrium
4. Arabidopsis thaliana
- 5.

Answer : Melondrium

- Question No. 133

A _____ mutation originates during meiosis while a _____ mutation originates during mitosis.

Options :

1. germinal, somatic
2. germinal, spontaneous
3. somatic, germinal
4. spontaneous, point
- 5.

Answer : germinal, somatic

- Question No. 134

How many ATP molecules can be derived from each molecule of acetyl CoA that enter the Krebs' cycle?

Options :

1. 6

2. 12
3. 18
4. 38
- 5.

Answer : 12

- Question No. 135

A person with phenylketonuria cannot convert

Options :

1. phenylalanine to tyrosine
2. phenylalanine to isoleucine
3. phenol to ketone
4. phenylalanine to lysine
- 5.

Answer : phenylalanine to tyrosine

- Question No. 136

Which of the following cofactors is correctly matched with the vitamins it is derived from?

Options :

1. NADH-Vitamin B₂
2. FADH₂-Vitamin B₃
3. Pyridoxal phosphate-Vitamin B₆
4. TPP-Vitamin B₁
- 5.

Answer : TPP-Vitamin B₁

- Question No. 137

Which of the following enzymes is not proteinaceous in nature?

Options :

1. Urease
2. Peptidase
3. Ribozyme
4. Phosphatase
- 5.

Answer : Ribozyme

• Question No. 138

You begin to study a novel plant species and discover that this diploid plant has 16 chromosomes. How many linkage groups would you expect to find?

Options :

1. 16
2. 8
3. 4
4. It is impossible to tell from the provided information
- 5.

Answer : 8

• Question No. 139

A molecular marker which amplified by PCR and polymorphic by length is a/an

Options :

1. RFLP
2. VNTR
3. AFLP
4. SNP

5.

Answer : AFLP

- Question No. 140

Sequencing of genomes other than humans is potentially valuable because

Options :

1. disorders of cellular functions can be studied in relatively simple model systems
2. comparison of gene sequence between different species can allow prediction of disease- causing mutations
3. genes may have a similar function in other species, giving us a place to start with functional analysis of similar genes
4. None of the above
- 5.

Answer : genes may have a similar function in other species, giving us a place to start with functional analysis of similar genes

- Question No. 141

The pump used in the windmill may be of

Options :

1. reciprocating type
2. rotor type
3. diaphragm type
4. All of the above
- 5.

Answer : All of the above

- Question No. 142

The RPM of standard PTO, equipped in tractor, is

Options :

1. either 400 or 700
2. either 540 or 1000
3. either 250 or 750
4. either 500 or 1100
- 5.

Answer : either 540 or 1000

- Question No. 143

The testing process in which the uniform application of desired seed rate ensured before operation of seed drill is specifically called

Options :

1. testing of seed drill
2. calibration of seed drill
3. adjustment of seed drill
4. None of the above
- 5.

Answer : calibration of seed drill

- Question No. 144

The time required for the runoff water to flow from the most remote point of the watershed area to the outlet is called

Options :

1. time of drainage
2. time of concentration
3. time of precipitation

4. time of saturation

5.

Answer : time of concentration

- Question No. 145

The most important form of soil water for plant growth is

Options :

1. capillary water

2. held water

3. hygroscopic water

4. groundwater

5.

Answer : capillary water

- Question No. 146

The design of diversion ditches for gully control is based on the return period of

Options :

1. 5-10 years

2. 50 years

3. 25 years

4. 100 years

5.

Answer : 5-10 years

- Question No. 147

The purpose of cut-off walls in drop structure is to

Options :

1. support gully walls
2. spill the flow safely
3. dissipate kinetic energy of flow
4. provide strength against sliding
- 5.

Answer : provide strength against sliding

• Question No. 148

Initiation of soil movement in wind erosion takes place under

Options :

1. suspension
2. saltation and surface creep
3. bed-load movement
4. Both (A) and (B)
- 5.

Answer : saltation and surface creep

• Question No. 149

The compression ratio of a carburettor engine varies between

Options :

1. 14:1 to 20:1
2. 4.5:1 to 8:1
3. 11:1 to 12:1
4. 20:1 to 22:1
- 5.

Answer : 4.5:1 to 8:1

- Question No. 150

Thermal efficiency of diesel engine varies between

Options :

1. 25% to 30%
2. 32% to 38%
3. 60% to 70%
4. 70% to 75%
- 5.

Answer : 32% to 38%

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