

• Question No. 1

Identify the correct preposition to make a meaningful sentence.

The scheme of Pradhan Mantri Jan Dhan Yojna was originated _____ the Prime Minister.

Options :

1. in
2. with
3. for
4. by
- 5.

Answer : by

• Question No. 2

Identify the meaning of the bold idiom from the options given.

Rajesh's brother gave him a **bird's eye view** of the courses offered in the Hansraj College.

Options :

1. an objective view
2. a detailed presentation
3. an elaborate description
4. a general view
- 5.

Answer : an objective view

• Question No. 3

Choose the correct option to make a meaningful sentence.

For the last seven months I _____ in this company.

Options :

1. am working
2. has been working
3. have been working
4. have worked
- 5.

Answer : have been working

• Question No. 4

Identify synonym for the bold word in the sentence.

Rabindranath Tagore had **penchant** for reading books.

Options :

1. liking
2. strength
3. inclination
4. desire
- 5.

Answer : liking

• Question No. 5

Find correctly spelt word from the options given below (only one word is spelt correctly)

Options :

1. Abatoir
2. Apiary
3. Aviaiy
4. Archves
- 5.

Answer : Apiary

• Question No. 6

Identify the correct active voice for the sentence given below:

When were my shirts returned by Ajay?

Options :

1. When Ajay returned my shirts?
2. When will Ajay returned my shirts?
3. When is Ajay return my shirts?
4. When did Ajay return my shirts?
- 5.

Answer : When did Ajay return my shirts?

• Question No. 7

Identify the correct direct speech for the sentence given below:

Farhaan told Ashok that Taj Mahal is the Seventh Wonder of the World.

Options :

1. Farhaan suggested to Ashok. "Taj Mahal is the Seventh Wonder of the World".
2. Farhaan said to Ashok, "Taj Mahal is the Seventh Wonder of the World".
3. Farhaan tells to Ashok. "Taj Mahal is the Seventh Wonder of the World".
4. Farhaan says to Ashok, "Taj Mahal is the Seventh Wonder of the World".
- 5.

Answer : Farhaan said to Ashok, "Taj Mahal is the Seventh Wonder of the World".

• Question No. 8

Choose the correct order of the paragraph to create a meaning out of PQRS set:

To explain

P: that there are no opposite

Q: forms required looking at the second

R: approach to opposites in the theory of forms

S: how Plato can deny the existence of some

Options :

1. QPSR
2. PQSR
3. RSQP
4. SQRP
- 5.

Answer : PQSR

- Question No. 9

Choose the correct sentence.

Options :

1. She ate her breakfast, had a shower, and goes to school.
2. She ate her breakfast, had a shower, and gone to school.
3. She ate her breakfast, had a shower, and went to school.
4. She ate her breakfast, had a shower, and was going for school.
- 5.

Answer : She ate her breakfast, had a shower, and went to school.

- Question No. 10

Find out which part of the following sentence has an error.

Options :

1. Harsha told to the housekeeper
2. That he should not
3. Come for work
4. From tomorrow
- 5.

Answer : Harsha told to the housekeeper

• Question No. 11

Who built the famous Shiva Temple at Ellora?

Options :

1. Chalukya King Pulikeshi II
2. Gupta King Samudragupta
3. Mauryan Emperor Ashoka
4. Rashtrakuta Ruler Krishna I
- 5.

Answer : Rashtrakuta Ruler Krishna I

• Question No. 12

The origin of Indian music can be traced to which of the following Vedic Samhitas?

Options :

1. Atharvaveda
2. Yajurveda
3. Samaveda
4. Rigveda
- 5.

Answer : Samaveda

• Question No. 13

Buddhism made an important impact by allowing which of the following hitherto marginalized sections of society into its fold?

- A. Women
- B. Warriors
- C. Merchants
- D. Shudras

Choose the correct answer from the options given below:

Options :

1. A only
2. A and D only
3. A and C only
4. D only
- 5.

Answer : A and D only

• Question No. 14

President of India is empowered to make which of the following appointments?

- A. Chief of the Army
- B. Speaker of the Lok Sabha
- C. Chief Justice of India
- D. Chief of the Air Force

Choose the correct answer from the options given below:

Options :

1. A, B and D only
2. A and D only
3. A and C only
4. A, C and D only
- 5.

Answer : A, C and D only

• Question No. 15

Which of the following statements are correct about Swachh Bharat Mission - Urban?

- A. It has an outlay of 1.41 Lakh crore and will be implemented over 5 years.
- B. The nodal Ministry is Ministry of Housing and Urban Affairs.
- C. SBM-U phase 2 was launched by Hardeep Singh Puri.
- D. SBM was launched on 2nd October 2014.

Choose the correct answer from the options given below:

Options :

1. A, B and D only
2. A and B only
3. A and D only
4. A, B, C and D only
- 5.

Answer : A, B, C and D only

• Question No. 16

In a certain code language.

"book pen mouse computer" is coded as "er gh iu ev"

"keypad pen book bottle" is coded as "gh ty iu kl"

"computer pen bottle paper" is coded as "ev kl io gh"

Which of the following code is used for "pen"

Options :

1. gh
2. iu
3. CV
4. io
- 5.

Answer : gh

• Question No. 17

In a certain code language.

'Attend class daily good' is written as 9\$5, 24%9, 356, 24*3

'Begin great any matter' is written as 3 & 3, 859. 10*15. 14\$4

'Less error and fire' is written as 10\$7, 23% 8, 9%14, 24&3

'Tool better than screw' is written as 16%22. 5\$21, 10*4, 14%22

According to the given code what will be the code for the word 'Burst'?

Options :

1. 8\$4
2. 6\$2
3. 8\$2
4. 6#4
- 5.

Answer : 8\$4

• Question No. 18

If the symbol '+' means '-' and '*' means '/' and vice versa then, what would be the value of following equation?

$$4 * 2/4 - 2 + 3$$

Options :

1. 7
2. 3
3. -8
4. 10
- 5.

Answer : 7

• Question No. 19

Six friends (J, K, L, M, N and O) are sitting around a circular table facing the centre. J sits second to the right of O. L sits third to the right of K. M and L both are the immediate neighbours of J. Who sits between K and J?

Options :

1. N
2. L
3. M
4. O
- 5.

Answer : M

• Question No. 20

After walking for 6 km. Aradhana turns to the right and then walks 2 km. After that she turns to the left and walks 10 km. In the end. Aradhana is moving towards the North. From which direction did Aradhana start her journey?

Options :

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

Answer : North

• Question No. 21

In how many ways, a committee of 6 members be selected from 7 men and 5 women, consisting of 4 men and 2 women?

Options :

1. 200
2. 250
3. 350
4. 450
- 5.

Answer : 350

• Question No. 22

A cone and a sphere have equal radii and equal volumes. Find the ratio of the diameter of the sphere to the height of the cone?

Options :

1. 1:4
2. 1:2
3. 4:1
4. 2:1

5.

Answer : 1:2

• Question No. 23

A sum of money doubles itself at compound interest in 15 years. In how many years will it, become eight times?

Options :

1. 15 years
2. 30 years
3. 40 years
4. 45 years
- 5.

Answer : 45 years

• Question No. 24

What is the probability of getting a sum 9 from two throws of a dice?

Options :

1. 1/12
2. 1/4
3. 1/9
4. 1/6
- 5.

Answer : 1/9

• Question No. 25

If the equation $2x^2 + 3x + p = 0$ has equal roots, then the value of p is

Options :

1. $\frac{7}{8}$
2. $\frac{1}{8}$
3. $\frac{8}{9}$
4. $\frac{9}{8}$
- 5.

Answer : $\frac{9}{8}$

- Question No. 26

1000 grains weight of wheat ranges between _____ grams.

Options :

1. 20-30
2. 20-70
3. 120-220
4. 35-50
- 5.

Answer : 35-50

- Question No. 27

Who is known as father of tillage?

Options :

1. O.P. Gautam
2. Jethro Tull
3. Liebig
4. J.B. Laws
- 5.

Answer : Jethro Tull

- Question No. 28

Match List I with respective critical stage of irrigation of crops List II

List I	List II
A. Wheat	I. Panicle initiation
B. Groundnut	II. Silking
C. Rice	III. Pegging
D. Maize	IV. Crown root initiation

Choose the correct answer from the options given below:

Options :

1. A-II. B-I. C-III. D-IV
2. A-III, B-IV, C-II. D-I
3. A-IV, B-II, C-III, D-I
4. A-IV. B-III. C-I. D-II
- 5.

Answer : A-IV. B-III. C-I. D-II

- Question No. 29

Arrange these crops in decreasing order of their crop duration under same agro-climatic conditions.

- A. Cotton
- B. Sugarcane
- C. Rice
- D. Greengram

E. Pearl millet

Choose the correct answer from the options given below:

Options :

1. A, C, B, E, D
2. B, A, C, E, D
3. B, C, E, D, A
4. A, B, E, C, D
- 5.

Answer : B, A, C, E, D

• Question No. 30

Given below are two statements:

Statement I: Orobancha (Broomrape) is a total-root parasitic weed in rapeseed mustard.

Statement II: Striga (witch weed) is a total stem-parasitic weed of sorghum.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are correct.
2. Both Statement I and Statement II are incorrect.
3. Statement I is correct but Statement II is incorrect.
4. Statement I is incorrect but Statement II is correct.
- 5.

Answer : Statement I is correct but Statement II is incorrect.

• Question No. 31

Match List I with respective critical stage of irrigation of crops List II

List I	List II
A. Blue water	I. Water used in production of Agricultural products
B. Virtual water	II. Domestic sewage or Industrial Waste
C. Black water	III. Soil moisture and water present in plants
D. Green Water	IV. Water present in sea, lakes, rivers, etc.

Choose the correct answer from the options given below:

Options :

1. A-I, B-III, C-IV, D-II
2. A-II, B-IV, C-III, D-I
3. A-IV, B-I, C-II, D-III
4. A-IV, B-I, C-III, D-II
- 5.

Answer : A-IV, B-I, C-II, D-III

- Question No. 32

Which of the following mechanisms do not encourage cross pollination?

Options :

1. Male sterility
2. Self-incompatibility

3. Dioecism
4. Chasmogamous
- 5.

Answer : Chasmogamous

• Question No. 33

A plant with somatic chromosome number of $2n + 3$ (AA BB CCCCC) is known as:

Options :

1. Septasomic
2. Hexasomic
3. Pentasomic
4. Tetrasomic
- 5.

Answer : Pentasomic

• Question No. 34

Which one of the following breeding approaches can be used for transfer of desirable successive gene in otherwise good variety?

Options :

1. Backcross method
2. Pedigree method
3. Bulk method
4. Single seed descent method
- 5.

Answer : Backcross method

• Question No. 35

The development of embryo from egg cell without fertilization is referred as:

Options :

1. Apogamy
2. Apospory
3. Parthenogenesis
4. Androgamy
- 5.

Answer : Parthenogenesis

• Question No. 36

Read the statements below on consequences of inbreeding and choose the correct statement.

- A. Variability reduced significantly within family.
- B. Increase in homozygous individuals
- C. Decrease in heterozygous individuals
- D. Selection within family will be effective
- E. Recessive genes will be marked by dominical counterpart.

Choose the correct answer from the options given below:

Options :

1. A, B and C
2. A, B and D
3. B, C and D
4. C, D and E
- 5.

Answer : A, B and C

• Question No. 37

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: After DNA replication, a new double helix consisted of one old strand and other is newly synthesized strand.

Reason R: DNA replication is both conservative and semi-conservative types.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false.
4. A is false but R is true.
- 5.

Answer : A is true but R is false.

• Question No. 38

Given below are two statements:

Statement I: Taichung Native 1 is the first dwarf variety of rice developed by crossing.

Statement II: IR-8 is the first dwarf rice hybrid released for cultivation.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are true.
2. Both Statement I and Statement II are false.
3. Statement I is true but Statement II is false.
4. Statement I is false but Statement II is true.
- 5.

Answer : Statement I is true but Statement II is false.

• Question No. 39

Consider the following statements in reference to cross pollinated crops.

- A. Inbred lines based single cross hybrid is homozygous and homogeneous.
- B. Inbred lines based single cross hybrid is heterozygous and homogeneous
- C. Composites are heterozygous and heterogeneous
- D. General combining ability (GCA) of the component lines are tested in composite variety development.
- E. General combining ability of the component lines are tested for development of synthetic cultivar

Choose the correct answer from the options given below:

Options :

- 1. A, C and D only
- 2. A, D and E only
- 3. B, C and E only
- 4. A, E and E only
- 5.

Answer : B, C and E only

• Question No. 40

How many kinds of genotypes are possible in F_2 if four genes are segregating independently?

Options :

- 1. 243
- 2. 81
- 3. 27
- 4. 9

5.

Answer : 81

- Question No. 41

Match Lis I with List II

List I	List II
A. Metacentric	I. Chromosome without centromere
B. Acrocentric	II. Centromere localized approximately in mid-Way of a chromosome.
C. Telocentric	III. Centromere placed to an arm close to one end of the chromosome
D. Acentric	IV. Centromere at the very end of the chromosome

Choose the correct answer from the options given below:

Options :

1. A-II, B-IV, C-I, D-III
2. A-IV, B-II, C-I, D-III
3. A-I, B-III, C-IV, D-II
4. A-II, B-III, C-IV, D-I
- 5.

Answer : A-II, B-III, C-IV, D-I

- Question No. 42

Given below are two statements:

Statement I: Soluble sources of Ca are gypsum and phosphogypsum.

Statement II: Gypsum is used for reclamation of sodic soil.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are correct.
2. Both Statement I and Statement II are incorrect.
3. Statement I is correct but Statement II is incorrect.
4. Statement I is incorrect but Statement II is correct.
- 5.

Answer : Both Statement I and Statement II are correct.

- Question No. 43

Select the correct group of statements.

- A. Hygroscopic water is mostly non liquid.
- B. Free energy is also called potential energy.
- C. Coarse textured soils have higher saturated conductivity.
- D. Soils with high permeability will allow much run-off.
- E. Excessive tillage increase infiltration.

Choose the correct answer from the options given below:

Options :

1. A, B, C
2. B, C, D, E
3. C, D, E, A
4. D, E, A, B
- 5.

Answer : A, B, C

- Question No. 44

Reagents required for determination of soil organic matter in laboratory.

- A. Potassium dichromate
- B. Ferrous ammonium sulphate
- C. Saffranine
- D. Diphenyl amine
- E. Sulphuric acid

Choose the correct answer from the options given below:

Options :

1. A, B, C, D
2. B, C, D, E
3. A, C, D, E
4. A, B, D, E
- 5.

Answer : A, B, D, E

- Question No. 45

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: The colloidal surfaces of humus are negatively charged.

Reason R: The negative charges arise from exposed functional groups like hydroxyl, carboxylic or phenolic.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both A and R are true and R is the correct explanation of A.

2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false.
4. A is false but R is true.
- 5.

Answer : Both A and R are true and R is the correct explanation of A.

• Question No. 46

Which one of the following is aerobic asymbiotic N-fixing bacteria?

Options :

1. Rhizobium
2. Frankia
3. Clostridium
4. Azotobactor
- 5.

Answer : Azotobactor

• Question No. 47

Study of soil in relation to growth and development of plant is known as:

Options :

1. Pedology
2. Morphology
3. Edaphology
4. Soil genesis
5. Edaphology

Answer : Edaphology

• Question No. 48

Volatile substance emitted by the ripening fruits is known as:

Options :

1. Leinetin
2. Ethylene
3. Adenine
4. ABA
- 5.

Answer : Ethylene

- Question No. 49

Match List I with List II

List I	List II
A. Ribosomes	I. Power house of cell
B. Peroxisomes	II. Photorespiration
C. Mitochondria	III. Cell wall
D. Golgi bodies	IV. Protein synthesis

Choose the correct answer from the options given below:

Options :

1. A-II, B-III, C-IV, D-I

2. A-III, B-II, C-IV D-I
3. A-IV, B-III, C-I, D-II
4. A-IV, B-II, C-I, D-III
- 5.

Answer : A-IV, B-III, C-I, D-II

- Question No. 50

In C_3 plants, the first stable product of photosynthesis is:

Options :

1. Phosphoenolpyruvate
2. Oxaloacetate
3. Phosphoglyceric acid
4. Ribulose
- 5.

Answer : Oxaloacetate

- Question No. 51

One molecule of glucose after respiration produces:

Options :

1. $8 CO_2 + 8 H_2O + 34 ATP$
2. $6 CO_2 + 8 H_2O + 38 ATP$
3. $6 CO_2 + 6 H_2O + 38 ATP$
4. $6 CO_2 + 6 H_2O + 34 ATP$
- 5.

Answer : $6 CO_2 + 6 H_2O + 38 ATP$

- Question No. 52

Meloidogyne incognita which causes stunting of gladiolus plants and their yellowing is:

Options :

1. Root knot nematode
2. Fungi
3. Mycoplasma
4. Bacteria
- 5.

Answer : Root knot nematode

- Question No. 53

Eriosoma lanigerum, Woolly aphid, is an important pest in which of the following?

Options :

1. Tomato
2. Carnation
3. Apple
4. Black pepper
- 5.

Answer : Apple

- Question No. 54

According to the botanical classification cashew belongs to which family among the following:

Options :

1. Lauraceae
2. Apiaceae
3. Caricaceae
4. Anacardiaceae
- 5.

Answer : Anacardiaceae

- Question No. 55

Which among the following is an edible poded variety of garden peas of dual purpose?

Options :

1. Kashi Mukti
2. Bonneville
3. Arka Apoorva
4. Palam Priya
- 5.

Answer : Arka Apoorva

- Question No. 56

Which of the following is responsible for rooting of semi hardwood cuttings of Hibiscus?

Options :

1. Benzyl adenine
2. Ethylene
3. Ascorbic acid
4. Indole Butyric Acid
- 5.

Answer : Indole Butyric Acid

- Question No. 57

Where is the ICAR-Central Institute for Arid Horticulture located?

Options :

1. New Delhi

2. Bikaner
3. Lucknow
4. Jodhpur
- 5.

Answer : Bikaner

- Question No. 58

Match List I with List II

List I	List II
A. Pear	I. Rose scented
B. Pomegranate	II. Bartlett
C. Litchi	III. Anab-e-shahi
D. Grape	IV. Bedana

Choose the correct answer from the options given below:

Options :

1. A-I, B-II, C-III, D-IV
2. A-II, B-IV, C-I, D-III
3. A-IV, B-III, C-II, D-I
4. A-IV, B-I, C-II, D-III
- 5.

Answer : A-II, B-IV, C-I, D-III

- Question No. 59

Late Blight is an important disease of potato.

A. Phytophthora is the causal organism of Late Blight in potato.

B. Kufri Chipsona is resistant to late blight in the plants.

C. Late Blight is a viral disease of potato.

D. Disease free seed should be planted.

Choose the correct answer from the options given below:

Options :

1. A, B and C only
2. B, C and D only
3. A, B and D only
4. A, C and D only
- 5.

Answer : A, B and D only

• Question No. 60

Given below are two statements:

Statement I: Apomixis is an asexual reproductive process that does not involve nuclear or cellular fusion.

Statement II: Embryo may develop from an unfertilized egg cell or another cell within the embryo sac.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are true.
2. Both Statement I and Statement II are false.
3. Statement I is true but Statement II is false.
4. Statement I is false but Statement II is true.
- 5.

Answer : Both Statement I and Statement II are true.

• Question No. 61

Given below are two statements:

Statement I: Auxins are a group of plant bio-regulators which are primarily responsible for ripening of fruits.

Statement II: Fruits are basically of two types on the basis of ripening: climacteric and non-climacteric. In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are correct.
2. Both Statement I and Statement II are incorrect.
3. Statement I is correct but Statement II is incorrect.
4. Statement I is incorrect but Statement II is correct.
- 5.

Answer : Statement I is incorrect but Statement II is correct.

- Question No. 62

Micro propagation is an efficient alternative method of vegetative propagation since:

- A. True-to-type plants are produced.
- B. Multiplication of disease and virus free plants is possible.
- C. Round-the-year production of plants is not possible.
- D. Rare and endangered varieties can be conserved.
- E. Cost of production and infrastructure cost is very low

Choose the correct answer from the options given below:

Options :

1. A, B and E
2. B, C and D
3. A, B and D
4. A, C and E

5.

Answer : A, B and D

• Question No. 63

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: Rejuvenation is an effective technology for improving productivity of unproductive orchards.

Reason R: Rejuvenation does not benefit trees affected by disease, heart rot and cold injury.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false.
4. A is false but R is true.
- 5.

Answer : A is true but R is false.

• Question No. 64

Biting and Chewing type of mouth parts are present in:

Options :

1. Grasshopper
2. Housefly
3. Bug
4. Moth
- 5.

Answer : Grasshopper

- Question No. 65

National Centre for Integrated Pest Management (NCIPM) is located at:

Options :

1. Lucknow
2. Coimbatore
3. Hyderabad
4. New Delhi
- 5.

Answer : New Delhi

- Question No. 66

Primitive living winged insects belonging to the order:

Options :

1. Ephemeroptera and Odonata
2. Lepidoptera and Trichoptera
3. Orthoptera and Dictyoptera
4. Thysanoptera and Hemiptera
- 5.

Answer : Ephemeroptera and Odonata

- Question No. 67

In which part of insect body, Johnston's organs are present?

Options :

1. Legs
2. Antennae
3. Thorax

4. Abdomen

5.

Answer : Antennae

• Question No. 68

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: Filter chamber is not found in aphid.

Reason R: Filter chamber in aphid allows excess water to pass directly from anterior part of the stomach to the intestine by diffusion.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both A and R are correct and R is the correct explanation of A.
2. Both A and R are correct but R is not the correct explanation of A.
3. A is correct but R is not correct.
4. A is not correct but R is correct.

5.

Answer : A is not correct but R is correct.

• Question No. 69

Common polyphagous crop pests are:

- A. Desert locust, *Schistocerca gregaria* (Forsk.)
- B. Brinjal shoot and fruit borer, *Hemiphaedusa orbonata* Guinee
- C. Cotton bollworm, *Helicoverpa armigera* (Hubner)
- D. Potato tuber moth, *Phthorimaea operculella* (Zeller)
- E. Red hairy caterpillar, *Amsacta moorei* (Butler)

Choose the correct answer from the options given below:

Options :

1. B, C and D
2. A, C and D
3. C, D and E
4. A, B and D
- 5.

Answer : A, C and D

- Question No. 70

Given below are two statements:

Statement I: Caddis flies belonging to order Trichoptera

Statement II: Fruit flies do not belonging to order Diptera

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are true.
2. Both Statement I and Statement II are false.
3. Statement I is true but Statement II is false.
4. Statement I is false but Statement II is true.
- 5.

Answer : Statement I is true but Statement II is false.

- Question No. 71

Plant origin insecticides are:

A. Nicotine

- B. Arsenicals
- C. Pyrethrum
- D. Phosphamidon
- E. Rotinone

Choose the correct answer from the options given below:

Options :

1. A, B and C only
2. B, D and E only
3. A, C and E only
4. C, D and E only
- 5.

Answer : A, C and E only

- Question No. 72

Sorghum crop is commonly attacked by:

- A. Sorghum stem borer
- B. White Ants (Termite)
- C. Wheat Armyworm
- D. Sorghum shoot fly
- E. Sorghum Earhead Gall Midge

Choose the correct answer from the options given below:

Options :

1. A, C and D only
2. A, D and E only

- 3. B, C and D only
- 4. C, D and E only
- 5.

Answer : A, D and E only

• Question No. 73

Match List I with List II

List I	List II
A. Larvae burrow into the apple fruits and feed on the pulp	I. San Jose Scale
B. Pink Colour encrustation on apple fruits	II. Woolly apple aphid
C. Ashy coat on apple stem with galled root	III. Apple stem borer
D. Circular bore hole on apple stem	IV. Codling moth

Choose the correct answer from the options given below:

Options :

- 1. A-IV, B-I, C-II, D-III
- 2. A-III, B-IV, C-I D-II
- 3. A-I, B-III, C-IV, D-II
- 4. A-II, B-IV, C-III, D-I
- 5.

Answer : A-IV, B-I, C-II, D-III

• Question No. 74

The first Indian Cooperative Societies Act was passed in the year:

Options :

- 1. 1901

2. 1904
3. 1919
4. 1920
- 5.

Answer : 1904

• Question No. 75

Classical production function, the point where elasticity of production remains zero is at:

Options :

1. $APP = MPP$
2. $MPP > APP$
3. $MPP = 0$
4. $APP = TPP$
- 5.

Answer : $MPP = 0$

• Question No. 76

Which of the following represents comprehensive cost of cultivation?

Options :

1. Cost A1
2. Cost A2
3. Cost B
4. Cost C
- 5.

Answer : Cost C

• Question No. 77

Which of the following is correct?

Options :

1. MC curve is a continuous falling curve
2. AVC curve lies about ATC curve
3. When MC curve is below ATC curve, ATC is falling
4. When MC curve is above ATC curve ATC is falling
- 5.

Answer : When MC curve is below ATC curve, ATC is falling

- Question No. 78

A molecule causing plant disease having spiral or helical structure and culturable on artificial nutrient medium is associated with:

Options :

1. Xanthomonas
2. Xylella
3. Spiroplasma
4. Spirochete
- 5.

Answer : Spiroplasma

- Question No. 79

Which systemic fungicide is used as seed treatment to control loose smut disease of wheat?

Options :

1. Thiabendazole
2. Carboxin
3. Metalaxyl
4. Triadimefon

5.

Answer : Carboxin

- Question No. 80

Which of the following germs has colnocytic mycelium?

Options :

1. Pythium
2. Rhizopus
3. Alternaria
4. Erysiphe
- 5.

Answer : Rhizopus

- Question No. 81

What should be the optimum temperature range for the growth of mesophilic bacteria?

Options :

1. 5-10°C
2. 25-40°C
3. 45-70°C
4. 20-30°C
- 5.

Answer : 25-40°C

- Question No. 82

Given below are two statements:

Statement 1: Berberis plant does not play any role in the perpetuation of Puccinia graminis, sp. tritici.

Statement II: Rust pathogens spread from plant to plant mostly by windblown spores.

In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are true.
2. Both Statement I and Statement II are false.
3. Statement I is true but Statement II is false.
4. Statement I is false but Statement II is true.
- 5.

Answer : Statement I is false but Statement II is true.

- Question No. 83

Green ear disease is associated to which of the following crops?

Options :

1. Pearl Millet
2. Sorghum
3. Maize
4. Pea
- 5.

Answer : Pearl Millet

- Question No. 84

Which of the following is NOT associated to cause wilt disease in plants?

Options :

1. Fusarium
2. Streptomyces
3. Ralstonia

4. Vericillium

5.

Answer : Streptomyces

- Question No. 85

According to Planning commission, Indian region is divided into how many agro climatic zones?

Options :

1. 15

2. 21

3. 20

4. 14

5.

Answer : 15

- Question No. 86

Match List I with List II

List I	List II
A. M.W. Beijerinck	I. First to observe microorganisms
B. Antony van Leeuwenhoek	II. Discovered bacterial disease of plants
C. Robert Koch	III. Confirmed finding of first virus
D. T.J. Burrill	IV. Koch's postulates

Choose the correct answer from the options given below:

Options :

1. A-I, B-II, C-III, D-IV

2. A-II, B-III, C-IV D-I

3. A-III, B-I, C-IV, D-II

4. A-III, B-IV, C-I, D-II

5.

Answer : A-III, B-I, C-IV, D-II

• Question No. 87

Which of the following is not a seeding machinery?

Options :

1. Country plough with pora

2. Zero-till-drill

3. The animal-drawn dufan

4. Mouldbord plough

5.

Answer : Mouldbord plough

• Question No. 88

Among the following crops, which has the highest mechanization index?

Options :

1. Sugarcane

2. Rice

3. Wheat

4. Groundnut

5.

Answer : Wheat

• Question No. 89

Which of the following tillage equipment, is a secondary tillage equipment?

Options :

1. Mouldboard plough
2. Country plough
3. Rotavator
4. Cultivator
- 5.

Answer : Cultivator

• Question No. 90

What will be the error degree of freedom for testing 5 varieties of wheat in Latin Square Design?

Options :

1. 12
2. 8
3. 4
4. 10
- 5.

Answer : 12

• Question No. 91

If the yield of paddy from different fields are 6.0, 4.9, 6.0, 5.8, 6.2, 6.0, 6.3, 4.8, 6.0, 5.7 and 6.0 tonnes per hectare, the modal value is _____ tons per hectare.

Options :

1. 6.2
2. 5.8
3. 6.3
4. 6.0
- 5.

Answer : 6.0

- Question No. 92

A dwarfing rootstock suitable for kinnow mandarin is _____

Options :

1. Troyer citrange
2. Rangpur lime
3. Karna khatta
4. Tahiti lime
- 5.

Answer : Troyer citrange

- Question No. 93

ITK stands for:

Options :

1. Indian Traditional Knowledge
2. Indigenous Truth Knowledge
3. Indigenous Technical Knowledge
4. Indian Technological Knowledge
- 5.

Answer : Indigenous Technical Knowledge

- Question No. 94

Given below are two statements:

Statement I: Kisan Call Centers are providing agricultural advice and information to the farmers across the country using toll free telephone numbers +1800-180-1551".

Statement II: Kisan Call Centre was launched in the year 2008.

In the light of the above statements. Choose the most appropriate answer from the options given below:

Options :

1. Both Statement I and Statement II are true.
2. Both Statement I and Statement II are false.
3. Statement I is true but Statement II is false.
4. Statement I is false but Statement II is true.
- 5.

Answer : Statement I is true but Statement II is false.

- Question No. 95

Match List I with List II

List I	List II
A. Innovators	I. Skeptical
B. Early Majority	II. Traditional
C. Late Majority	III. Deliberate
D. Laggards	IV. Venturesome

Choose the correct answer from the options given below:

Options :

1. A-II, B-III, C-IV, D-I
2. A-II, B-I, C-III D-IV
3. A-IV, B-III, C-I, D-II
4. A-IV, B-I, C-III, D-II
- 5.

Answer : A-IV, B-III, C-I, D-II

• Question No. 96

Given below are two statements: one is labelled as Assertion A and the other is labelled as Reason R. Assertion A: Personal localite channels are local leaders and local people who belong to receivers own social system.

Reason R: Extension agents are personal cosmopolite channels and are from outside the social system of the receiver. In the light of the above statements, choose the most appropriate answer from the options given below:

Options :

1. Both A and R are true and R is the correct explanation of A.
2. Both A and R are true but R is not the correct explanation of A.
3. A is true but R is false.
4. A is false but R is true.
- 5.

Answer : Both A and R are true but R is not the correct explanation of A.

• Question No. 97

Accepted ways of behavior in society are:

Options :

1. Folkways
2. Conventions
3. Taboos
4. Rituals
- 5.

Answer : Folkways

• Question No. 98

What is the ideal size of flash card preferred for a small group of 10-25 people?

Options :

1. 6" × 10" size
2. 10" × 12" size
3. 15" × 20" size
4. 24" × 32" size
- 5.

Answer : 10" × 12" size

• Question No. 99

The process of conversion of the subject matter into symbols is termed as:

Options :

1. Transmission
2. Encoding
3. Decoding
4. Treatment
- 5.

Answer : Encoding

• Question No. 100

The process of collecting and analyzing information from field and secondary sources in a short period of time is:

Options :

1. Participatory Rural Appraisal
2. Rapid Rural Appraisal
3. Participatory Technology Development
4. Rapid Social Analysis.
- 5.

Answer : Rapid Rural Appraisal

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