

Direction:

**With respect to the information provided below, answer the following questions**

According to Cole, the present state, carries with it the marks of its perversion by capitalism. Our present feeble attempts, Cole explains in his book Social Theory, to inaugurate democracy in politics are frustrated by the existence of a system approaching slavery in industry. Not poverty of the masses, but slavery is the curse of capitalism. Capitalism and democracy go together. Cole was opposed to the democratic system of government as it worked in actual practice. He attacked the system of territorial representation. A person who represents his locality cannot be expected to decide questions relating to the relationship between the producers and the consumers. Hence, Cole advocated the reorganization of society on a functional basis. When society is organized as a federation of functional organizations, each one democratically controlled, there will be no place for the present state organization. In a guild society the functions, which an all-inclusive association may properly be taken over by co-ordinating bodies more in harmony with the principles of freedom and function which will actuate that society. Cole writes: "It is impossible to represent human beings as person or centres of consciousness; it is quite possible to represent, though with an inevitable elements of distortion which must always be recognized, as much of human beings as they themselves put into associated effort for a specific purpose."

- Question No. 1

Given below are two statements:

Statement I : According to Cole, the present state, carries with it the marks of its perversion by capitalism.

Statement II : A person who represents his locality can be expected to decide questions relating to the relationship between the producers and the consumers.

In the light of the above statements, choose the correct 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

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- Question No. 2

Antonym of the term 'feeble' is:

**Options :**

1. stupid
2. foolish
3. Great
4. Strong
- 5.

Answer : Strong

Direction:

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- Question No. 3

Find out the meaning of the term 'actuate' from the options given below:

**Options :**

1. Participating in a particular sphere
2. The ability to make good judgements
3. Motivate to act in a particular way
4. Telling
- 5.

Answer : Motivate to act in a particular way

Direction:

**With respect to the information provided below, answer the following questions**

According to Cole, the present state, carries with it the marks of its perversion by capitalism. Our present feeble attempts, Cole explains in his book Social Theory, to inaugurate democracy in politics are frustrated by the existence of a system approaching slavery in industry. Not poverty of the masses, but slavery is the curse of capitalism. Capitalism and democracy go together. Cole was opposed to the democratic system of government as it worked in actual practice. He attacked the system of territorial representation. A person who represents his locality

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• Question No. 4

According to Cole, not poverty of the masses, but \_\_\_\_\_ is the curse of capitalism.

Options :

1. negligence
2. slavery
3. education
4. bad health
- 5.

Answer : slavery

Direction:

**With respect to the information provided below, answer the following questions**

According to Cole, the present state, carries with it the marks of its perversion by capitalism. Our present feeble attempts, Cole explains in his book Social Theory, to inaugurate democracy in politics are frustrated by the existence of a system approaching slavery in industry. Not poverty of the masses, but slavery is the curse of capitalism. Capitalism and democracy go together. Cole was opposed to the democratic system of government as it worked in actual practice. He attacked the system of territorial representation. A person who represents his locality cannot be expected to decide questions relating to the relationship between the producers and the consumers. Hence, Cole advocated the reorganization of society on a functional basis. When society is organized as a federation of functional organizations, each one democratically controlled, there will be no place for the present state organization. In a guild society the functions, which an all-inclusive association may properly be taken over by co-ordinating bodies more in harmony with the principles of freedom and function which will actuate that society.

Cole writes: "It is impossible to represent human beings as person or centres of consciousness; it is quite possible to represent, though with an inevitable elements of distortion which must always be recognized, as much of human beings as they themselves put into associated effort for a specific purpose."

• Question No. 5

One word substitution:

Give a misleading account or impression of:

**Options :**

1. Distort
2. Distress
3. Distrain
4. Distinct
- 5.

Answer : Distort

• Question No. 6

Identify the correct passive voice for the sentence given below: Neeraj Chopra won gold medal in the Tokyo Olympic 2020.

**Options :**

1. Gold medal won by Neeraj Chopra in the Tokyo Olympic 2020.
2. Gold medal had been won by Neeraj Chopra in the Tokyo Olympic 2020.
3. Gold medal was won by Neeraj Chopra in the Tokyo Olympic 2020.
4. Gold medal has been won by Neeraj Chopra in the Tokyo Olympic 2020.
- 5.

Answer : Gold medal was won by Neeraj Chopra in the Tokyo Olympic 2020.

• Question No. 7

Identify the correct speech for the sentence given below. Riya said,

"How can I do such a foolish mistake"?

**Options :**

1. Riya told how could she do such a foolish mistake.
2. Riya asked how can she do such a foolish mistake.
3. Riya suggested how she can do such a foolish mistake.
4. Riya thought how she could do such a foolish mistake.
- 5.

Answer : Riya thought how she could do such a foolish mistake.

• Question No. 8

Choose the correct order of P, Q, R, S, to create a meaningful sentence:

A sequence of utterances

P: anticipate the future ones

Q: subjects or voice that responds

R: is a dialogue of speaking

S: to former utterances and

**Options :**

1. PQRS
2. RQSP
3. QSPR
4. QPSR
- 5.

Answer : RQSP

• Question No. 9

Choose the correct sentence:

**Options :**

1. You haven't seen the film, haven't you?
2. You haven't seen the film, did you?
3. You haven't seen the film, have you?
4. You haven't seen the film, do you?
- 5.

Answer : You haven't seen the film, have you?

• Question No. 10

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

**Options :**

1. Arushi is weak in Maths
2. and do not understand the
3. calculations
4. though her mother explains her repeatedly.
- 5.

Answer : and do not understand the

• Question No. 11

Identify the correct combination of the member of "QUAD".

(A) India

(B) Vietnam

(C) Japan

(D) Australia

(E) USA

(F) South Korea

Choose the correct answer from the options given below :

**Options :**

1. (A), (B), (C), (D)

2. (A), (D), (E), (F)

3. (A), (B), (E), (F)

4. (A), (C), (D), (E)

5.

Answer : (A), (C), (D), (E)

• Question No. 12

Shiv Kumar Sharma who passes away recently was a:

**Options :**

1. Flute player

2. Santoor player

3. Tabla player

4. Esraj player

5.

Answer : Santoor player

• Question No. 13

In which Indian state Gangaur Festival is predominantly celebrated:

**Options :**



1. West Bengal
2. Punjab
3. Rajasthan
4. Karnataka
- 5.

Answer : Rajasthan

• Question No. 14

Which Union Ministry is associated with the Citizenship (Amendment) Act, 2019?

**Options :**

1. Ministry of External Affairs
2. Ministry of Defence
3. Ministry of Housing and Urban Affairs
4. Ministry of Home Affairs
- 5.

Answer : Ministry of Home Affairs

• Question No. 15

The Election Commission of India (ECI) has decided to freeze the election symbol of which of the following party?

**Options :**

1. Dravida Munnetra Kazhagam
2. Lok Janshakti Party
3. Aam Aadmi Party
4. Apna Dal
- 5.

Answer : Lok Janshakti Party

- Question No. 16

In a row of students, the position of Vineeta from the left side of the row is 26th and the position of Vineeta from the right side of the row is 23rd. Find the total number of students in the row?

**Options :**

1. 46
2. 47
3. 48
4. 49
- 5.

Answer : 48

- Question No. 17

After interchanging the first and last digits in each of the following numbers, identify the correct sequence of number in the ascending order.

(A) 146

(B) 453

(C) 678

(D) 254

(E) 942

Choose the correct answer from the options given below:

**Options :**

1. (A), (D), (B), (C), (E)
2. (C), (B), (D), (A), (E)
3. (A), (B), (D), (E), (C)
4. (E), (B), (D), (A), (C)

5.

Answer : (E), (B), (D), (A), (C)

• Question No. 18

Five friends Amit, Bipin, Chandan, Dinesh and Edwin are sitting on a beach. Amit is sitting next to Bipin, Chandan is sitting next to Dinesh is not sitting with Edwin who is on the left end of the beach. Chandan is on the second position from the right. Amit is to the right of Bipin and Edwin. Amit and Chandan are sitting together. Who is in the centre?

**Options :**

1. Dinesh
2. Chandan
3. Amit
4. Bipin
- 5.

Answer : Amit

• Question No. 19

Pointing to a photograph of a boy, Nita said, "He is the son of the only daughter of my mother". How is Nita related to the boy?

**Options :**

1. Sister
2. Niece
3. Mother
4. Aunt
- 5.

Answer : Mother

- Question No. 20

Look at the series: 1368, 684, 114, 38 ... come next in the series? Which one of the following number should come next in the series?

**Options :**

1. 16
2. 17
3. 18
4. 19
- 5.

Answer : 19

- Question No. 21

A man purchased 36 pens in a certain amount and sold 27 pens in the same amount. The percentage of gain is:

**Options :**

1.  $16\frac{2}{3}\%$
2.  $33\frac{1}{3}\%$
3.  $12\frac{1}{2}\%$
4.  $66\frac{1}{3}\%$
- 5.

Answer :  $33\frac{1}{3}\%$

- Question No. 22

A can do a work in 20 days, B can do in 30 days and C can do in 60 days. If A is helped by B and C every third day. The number of days they will take to completed the work is:

**Options :**

1. 15 days

2. 18 days
3. 12 days
4. 9 days
- 5.

Answer : 15 days

• Question No. 23

The different ways in which the letters in the word 'N A Z I B A B A D' can be arranged is:

**Options :**

1. 3628800
2. 302400
3. 604800
4. 907200
- 5.

Answer : 3628800

• Question No. 24

Difference of  $\frac{2}{3}$  of 63 and  $\frac{1}{3}$  of 93 is:

**Options :**

1. 12
2. 31
3. 11
4. 21
- 5.

Answer : 11

• Question No. 25

In a test of class X one third of listed students appeared in test got grade B. one fourth got B+, one sixth got grade B and one eighth failed i.e. grade C. Everyone else got grade A.

List I	List II
(A) Minimum number of student get grade A	(I) 6
(B) Minimum number of student get grade B <sup>+</sup>	(II) 4
(C) Minimum number of student get grade B	(III) 3
(D) Minimum number of student get grade B	(IV) 8

Choose the correct answer from the options given below:

**Options :**

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

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

- Question No. 26

Soil Health Card Scheme was launched in which year?

**Options :**

1. 2007
2. 2014
3. 2015
4. 2020
- 5.

Answer : 2015

- Question No. 27

Pradhan Mantri Fasal Beema Yojana started in which year?

**Options :**

1. 2016
2. 2004
3. 2017
4. 2019
- 5.

Answer : 2016

- Question No. 28

Kisan Credit Card scheme was launched in which year?

**Options :**

1. 1998
2. 2000
3. 1995
4. 2005
- 5.

Answer : 1998

- Question No. 29

National Initiative on Climate Resilient Agriculture (NICRA) started in which year?

**Options :**

1. 2012
2. 2010
3. 2011
4. 2014
- 5.

Answer : 2011

- Question No. 30

Year 2023 has been declared as International year of millets by

**Options :**

1. ICAR
2. ICMR
3. WHO
4. UNO
- 5.

Answer : UNO

- Question No. 31

Which of the following crop is used for flax and oil both?

**Options :**

1. Ragi
2. Mustard
3. Bajra
4. Linseed
- 5.

Answer : Linseed

- Question No. 32

Which of the following is generally used for reclamation of soil acidity?

**Options :**

1. Gypsum



2. Lime
3. Iron pyrites
4. Biofertilizers
- 5.

Answer : Lime

- Question No. 33

Water harvesting is defined as

**Options :**

1. Application of water at the time of harvesting
2. Harvesting deep water from soil by pumping
3. Unit of water applied to crop
4. Collection of excess run off from the rain
- 5.

Answer : Collection of excess run off from the rain

- Question No. 34

Megasporogenesis occurs in

**Options :**

1. Stigma
2. Style
3. Filament
4. Ovules
- 5.

Answer : Ovules

- Question No. 35

Which of the following does not act as antitranspirants in the plants?

**Options :**

1. CCC
2. O<sub>2</sub>
3. Absciscic acid
4. Silicone oils
- 5.

Answer : O<sub>2</sub>

- Question No. 36

A reaper is used for

**Options :**

1. Harvesting
2. Harvesting and winnowing
3. Harvesting and threshing
4. Threshing only
- 5.

Answer : Harvesting

- Question No. 37

Which is not a measure of central tendency?

**Options :**

1. Mean
2. Mode
3. Median
4. Standard deviation
- 5.

Answer : Standard deviation

- Question No. 38

King of Pippin is the variety of .....

**Options :**

1. Papaya
2. Plum
3. Kiwi
4. Apple
- 5.

Answer : Apple

- Question No. 39

The grape variety "Sonaka" used for which purpose?

**Options :**

1. Juice making
2. Table seeded
3. Wine making
4. Raisin
- 5.

Answer : Raisin

- Question No. 40

Tristeza virus is associated with .....

**Options :**

1. Mango

2. Banana
3. Citrus
4. Grape
- 5.

Answer : Citrus

- Question No. 41

Fanging is related to

**Options :**

1. Cracking of buds
2. Deformed roots
3. Fruit drop
4. Storage loss
- 5.

Answer : Deformed roots

- Question No. 42

Which of the following spectrum range is called photosynthetically active radiation?

**Options :**

1. 400-700 nm
2. 700-1000 nm
3. 1000-1300 nm
4. 1300-1700 nm
- 5.

Answer : 400-700 nm

- Question No. 43

Site of protein synthesis in a cell is

**Options :**

1. Endoplasmic Reticulum
2. Mitochondria
3. Chloroplast
4. Ribosomes
- 5.

Answer : Ribosomes

- Question No. 44

Which is not true for Mycorrhizae Fungi?

**Options :**

1. Phosphate gatherer
2. Associated with plant roots
3. Obligate parasites
4. Nitrogen gatherer
- 5.

Answer : Obligate parasites

- Question No. 45

Which of the following seed is genetically most pure?

**Options :**

1. Breeder seed
2. Nucleus seed
3. Foundation seed
4. Certified seed
- 5.

Answer : Nucleus seed

- Question No. 46

Rhizobium plays important role in ...

**Options :**

1. Potash fixation
2. Phosphorus fixation
3. Iron fixation
4. Nitrogen fixation
- 5.

Answer : Nitrogen fixation

- Question No. 47

In most minerals soils particle density varies within

**Options :**

1. 1.87–2.20
2. 2.25–2.40
3. 2.50–2.70
4. 2.78–2.95
- 5.

Answer : 2.50–2.70

- Question No. 48

What is phosphorus content in DAP?

**Options :**

1. 18%

2. 28%
3. 38%
4. 46%
- 5.

Answer : 46%

• Question No. 49

Saline soils occur mostly in

**Options :**

1. Subtropical regions
2. Arid and semi-arid regions
3. Tropical regions
4. Hilly regions
- 5.

Answer : Arid and semi-arid regions

• Question No. 50

Which of the following is not matched correctly?

**Options :**

1. Wilt in brinjal : Bacteria
2. Khaira in rice : Zn deficiency
3. Leaf curl in tomato : Virus
4. Whiptail in cauliflower : Fungus
- 5.

Answer : Whiptail in cauliflower : Fungus

• Question No. 51

FSSAI has been established under the Food Safety and Standards Act

**Options :**

1. 2006
2. 2008
3. 2009
4. 2011
- 5.

Answer : 2006

- Question No. 52

Browning in cauliflower is due to deficiency of

**Options :**

1. Nitrogen
2. Phosphorus
3. Boron
4. Molybdenum
- 5.

Answer : Boron

- Question No. 53

The milling and polishing of raw rice reduces riboflavin by

**Options :**

1. 56%
2. 65%
3. 72%
4. 78%
- 5.



Answer : 56%

- Question No. 54

Polyembryony occurs in

**Options :**

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

Answer : Mango

- Question No. 55

Fully opened blossoms in apple may be killed at temperature below

**Options :**

1. 0.6°C
2. -2.2 °C
3. -1.0 °C
4. 0°C
- 5.

Answer : -2.2 °C

- Question No. 56

Nozzle is a part of

**Options :**

1. Rotary duster

2. Cynogas pump
3. Hand compression sprayer
4. Rotary pump
- 5.

Answer : Hand compression sprayer

- Question No. 57

The worker bee is

**Options :**

1. Drone
2. Sterile male
3. Sterile female
4. Queen
- 5.

Answer : Sterile female

- Question No. 58

The botanical pesticide "Pyrethrum" is derived from

**Options :**

1. Nicotiana sp.
2. Mangifera sp.
3. Tagetes sp.
4. Chrysanthemum sp.
- 5.

Answer : Chrysanthemum sp.

- Question No. 59

Following is an example of high volume sprayer

**Options :**

1. ULV applicator
2. Foot sprayer
3. Hand sprayer
4. Battery operated sprayer
- 5.

Answer : Foot sprayer

- Question No. 60

The first transgenic crop approved for cultivation was

**Options :**

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

Answer : Cotton

- Question No. 61

The Downey mildew of Bajra is caused by

**Options :**

1. Sclerospora sorghi
2. Sclerospora sacchari
3. Sclerospora graminicola
4. Prenospora parasitica
- 5.

Answer : Sclerospora graminicola

- Question No. 62

Karnal bunt of wheat is caused by

**Options :**

1. Nevossia indica
2. Tilletia horrida
3. Urocystis tritici
4. Ustilago tritici
- 5.

Answer : Nevossia indica

- Question No. 63

Panama wilt is associated with

**Options :**

1. Banana
2. Mango
3. Pineapple
4. Bamboo
- 5.

Answer : Banana

- Question No. 64

Apical dominance is primarily due to

**Options :**

1. Auxin

2. Gibberellin
3. Cytokinin
4. Ethylene
- 5.

Answer : Auxin

- Question No. 65

VAM is associated with

**Options :**

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

Answer : Fungi

- Question No. 66

Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): Pungency and red colour is found in chilli.

Reasons (R): Capsaicin and capsanthin pigment are responsible for the above characteristics in chilli.

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 : Both (A) and (R) are correct and (R) is the correct explanation of (A)

• Question No. 67

Given below are two statements:

Statement I: Mutation is sudden heritable change in characteristics of an organism.

Statement II: Mutations is very common in release of new flower varieties.

In the light of the above Statements, choose the correct 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 and Statement II is false
4. Statement I is false and Statement II is true
- 5.

Answer : Statement I is true and Statement II is false

• Question No. 68

Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): Guava is considered most suitable fruit for jelly making because guava is rich in pectin content.

Reasons (R): Pectin is one of the essential components for jelly making.

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 : Both (A) and (R) are correct and (R) is the correct explanation of (A)

• Question No. 69

Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): Peach and Nectarine requires heavy and regular pruning than apple and pear.

Reasons (R): Peach and Nectarine bears fruits only on the current season shoot.

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 correct but (R) is not correct

• Question No. 70

Given below are two statements: One is labelled as Assertion (A) and the other is labelled as Reason (R):

Assertion (A): Tetrazolium test imparts red colouration on the viable cells in seed viability test.

Reasons (R): Dehydrogenase enzyme used for red colour formazon.

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 : Both (A) and (R) are correct and (R) is the correct explanation of (A)

• Question No. 71

Given below are two statements:

Statement I: Law of diminishing return also regarded as a fundamental law in agriculture and economics.

Statement II: This law helps in determination of optimum input to use and optimum output to produce.

In the light of the above Statements, choose the correct 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 and Statement II is false
4. Statement I is false and Statement II is true
- 5.

Answer : Both Statement I and Statement II are true

• Question No. 72

Given below are two statements:

Statement I: A pureline variety is a variety which obtained from many heterozygous plants of cross pollinated crop.

Statement II: A pureline become genetically variable with time due to mechanical mixture, natural hybridization and mutation.

In the light of the above Statements, choose the correct 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. 73

Arrange these soil horizons from top to bottom.

- (A) A1
- (B) A2
- (C) A3
- (D) A0
- (E) A00

Choose the correct answer from the options given below:

Options :

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

Answer : (D), (E), (A), (B), (C)

• Question No. 74

Arrange these soil particles as per their size (large to small)

- (A) Clay
- (B) Fine gravel
- (C) Sand (course)
- (D) Sand (fine)
- (E) Silt

Choose the correct answer from the options given below:

**Options :**

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

Answer : (B), (C), (D), (D), (D)

- Question No. 75

Arrange these Govt. schemes as per year of start (old to recent)

- (A) Community Development Program
- (B) Training and Visit Program
- (C) Integrated Rural Development Program
- (D) Kisan Credit Card
- (E) PM-Kisan Samman Nidhi

Choose the correct answer from the options given below:

**Options :**

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

Answer : (A), (B), (C), (D), (E)

• Question No. 76

Given below are two statements:

Statement I: Somatic cells of all the organisms divide through mitosis.

Statement II: The two daughter nuclei produced by mitotic division are not identical to the parent nucleus.

In the light of the above Statements, choose the correct 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. 77

Given below are two statements:

Statement I: Bajra is very popular crop in rainfed and drought prone areas.

Statement II: Sesamum is primarily a kharif season crop.

In the light of the above Statements, choose the correct 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. 78

Given below are two statements:

Statement I: Single cross includes two parents to produce the F<sub>1</sub>

Statement II: Mango variety Sindhu is a hybrid variety.

In the light of the above Statements, choose the correct 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. 79

Given below are two statements:

Statement I: Potassium plays an important role in the opening of stomata, maintaining adequate turgor, transportation of photosynthates and develop disease resistance in the plants.

Statement II: K termed as secondary nutrient because of its low requirement by the plants.

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. 80

Given below are two statements:

Statement I: The transpiration, water is loss from aerial parts of plants in the form of invisible water vapours.

Statement II: In guttation water solution oozes out from uninjured margins of aerial leaves only.

In the light of the above Statements, choose the correct 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. 81

Given below are two statements:

Statement I: India is the largest producer and exporter of cinnamon in the world.

Statement II: True cinnamon of commerce is dried inner bark of Cinnamomum verum.

In the light of the above Statements, choose the correct 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. 82

Given below are two statements:

Statement I: Wheat rust is a seed borne disease.

Statement II: Loose smut of wheat is an internally seed borne disease.

In the light of the above Statements, choose the correct 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

Given below are two statements:

Statement I: Salinity present in the irrigation water is given in terms of ESR value.

Statement II: The extent of soil salinization and/or sodication depends on the type and amount of salt, their relative abundance in soil and effect on soil pH.

In the light of the above Statements, choose the correct answer from the options given below:

**Options :**

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

Answer : Statement I is false but Statement II is true

- Question No. 84

Given below are two statements:

Statement I: Saline soil contain sufficient soluble salts which adversely affect the growth of most crop plants. The soluble salts are mainly sodium chloride and sodium sulphate.

Statement II: Sodic soil having  $\text{pH} > 8.5$ ,  $\text{EC}_{13}$ ,  $\text{ESP} > 15$ .

In the light of the above Statements, choose the correct 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. 85

Given below are two statements:

Statement I: The liquid waste like sewage and sludge can be utilized for production of crops like sugarcane, vegetables and fodder crops.

Statement II: The produces obtained by using sewage and sludge are microbiologically very safe for fresh uncooked consumption.

In the light of the above Statements, choose the correct 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. 86

Saline soil having

- (A) pH
- (B) E.C.>4
- (C) ESP
- (D) Physical condition - Flocculated

Choose the correct answer from the options given below:

**Options :**

1. (A), (B), (C) only



2. (B), (C), (D) only
3. (A), (D), (C) only
4. (A), (B), (C), (D) only
- 5.

Answer : (A), (B), (C), (D) only

• Question No. 87

Choose the correct statements:

- (A) Naphtha is a fraction of petroleum.
- (B) Percolation is downward movement of water through soil.
- (C) Highly concentrated and widely used nitrogenous fertilizer is urea.
- (D) Ammonia volatilization highest with urea.
- (E) Soil formed from basic rocks are more fertile.

Choose the correct answer from the options given below:

Options :

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

Answer : (A), (B), (C), (D) only

• Question No. 88

Legume crops includes

- (A) Pigeon pea

(B) Greengram

(C) Lentil

(D) Horsegram

(E) Rapeseed

Choose the correct answer from the options given below:

**Options :**

1. (A), (B), (C), (D) only

2. (E), (D), (C), (A) only

3. (A), (B), (C), (E) only

4. (C), (D), (E) only

5.

Answer : (A), (B), (C), (D) only

- Question No. 89

Forage crops includes

(A) Sorghum

(B) Elephant grass

(C) Guinea grass

(D) Berseem

(E) Cassava

Choose the correct answer from the options given below:

**Options :**

1. (A), (B), (C), (D), (E)

2. (A), (B), (C), (D) only

3. (A), (B), (C), (E) only
4. (A), (B), (D), (E) only
- 5.

Answer : (A), (B), (C), (D) only

• Question No. 90

Choose the correct statements.

- (A) Cauliflower and cabbage are indicator plant of Fe and Ca.
- (B) Sugarbeet is the indicator plant of Mn.
- (C) Maize is the indicator plant of P.
- (D) Rice is the indicator plant of K.
- (E) Wheat is the indicator plant of B.

Choose the correct answer from the options given below:

**Options :**

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

Answer : (A), (B), (C) only

• Question No. 91

High salt tolerant crops are

- (A) Dhaincha
- (B) Sugarbeet

(C) Cotton

(D) Barley

Choose the most appropriate answer from the options given below:

**Options :**

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

Answer : (A), (B), (D) only

• Question No. 92

People's participation in an extension programme considered significant when

(A) Local leaders participate

(B) Literate section of villagers participate

(C) Gram panchayat members participate

(D) Majority of villagers participate

Choose the most appropriate answer from the options given below:

**Options :**

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

Answer : (A), (B), (C), (D)

- Question No. 93

The rationale for establishment of ATIC is

- (A) To supply research products.
- (B) To provide diagnostic services for soil, water, meat and livestock.
- (C) To provide an opportunity to the institutes to generate resources through the sale.
- (D) To monitor socio-economic impact of technological intervention for different production systems.

Choose the most appropriate answer from the options given below:

**Options :**

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

Answer : (A), (B), (C) only

- Question No. 94

Match List I with List II:

List I	List II
(A) World Soil Day	(I) 22 April
(B) World Environment Day	(II) 22 March
(C) World Water Day	(III) 5 June
(D) World Earth Day	(IV) 5 December

Choose the correct answer from the options given below:

**Options :**

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

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

• Question No. 95

Match List I with List II :

List I	List II
(A) Halophytes	(I) Plants prefer saline condition
(B) Lithophytes	(II) Plant grows on rock surface
(C) Xerophytes	(III) Plant grow under desert condition
(D) Hydrophytes	(IV) Water loving plants

Choose the correct answer from the options given below:

**Options :**

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

Answer : (D)-(I), (D)-(II), (C)-(III), (D)-(IV)

• Question No. 96

Match List I with List II :

List I	List II
(A) Indian Council of Agricultural Research (ICAR)	(I) New Delhi
(B) National Dairy Research Institute (NDRI)	(II) Karnal
(C) Indian Veterinary Research Institute (IVRI)	(III) Izatnagar
(D) Indian Institute of Vegetable Research (IIVR)	(IV) Varanasi

Choose the correct answer from the options given below:

**Options :**

- (D)-(II), (D)-(III), (C)-(I), (D)-(IV)
- (A)-(I), (D)-(II), (C)-(III), (D)-(IV)
- (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- (D)-(II), (B)-(IV), (C)-(III), (D)-(I)
- 

Answer : (A)-(I), (D)-(II), (C)-(III), (D)-(IV)

- Question No. 97

Match List I with List II :

List I	List II
(A) Green Revolution	(I) Horticulture
(B) White Revolution	(II) Oil seed
(C) Golden Revolution	(III) Food grain
(D) Yellow Revolution	(IV) Milk

Choose the correct answer from the options given below:

**Options :**

- (A)-(III), (B)-(IV), (C)-(I), (D)-(II)
- (A)-(IV), (B)-(I), (C)-(II), (D)-(III)
- (A)-(I), (B)-(II), (C)-(III), (D)-(IV)

4. (D)-(III), (B)-(II), (C)-(IV), (D)-(I)

5.

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

- Question No. 98

Match List I with List II :

List I	List II
(A) Fertilizer contains only single primary nutrient	(I) Mixed fertilizers
(B) Fertilizer containing two or more nutrients	(II) Straight fertilizer
(C) Physical mixture of two or more fertilizers	(III) Complex fertilizer
(D) Fertilizer containing living cells	(IV) Bio-fertilizer

Choose the correct answer from the options given below:

Options :

1. (D)-(II), (B)-(III), (C)-(I), (D)-(IV)

2. (D)-(III), (B)-(II), (C)-(I), (D)-(IV)

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

4. (D)-(III), (B)-(IV), (C)-(II), (D)-(I)

5.

Answer : (D)-(II), (B)-(III), (C)-(I), (D)-(IV)

- Question No. 99

Match List I with List II :

List I	List II
(A) Nitrogen fixation carried out by enzyme	(I) Nitrogenase
(B) Conversion of organic N to $\text{NH}_4$	(II) Ammonification
(C) Phosphate mobilizer	(III) VAM
(D) Phosphate solubilizer	(IV) Pseudomonas



Choose the correct answer from the options given below:

**Options :**

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

Answer : (A)-(I), (B)-(II), (D)-(I D), (D)-(IV)

- Question No. 100

Match List I with List II :

List I	List II
(A) Mallformation	(I) Opium poppy
(B) Seedless	(II) Sweet orange
(C) Lancing	(III) Mango
(D) Granulation	(IV) Banana

Choose the correct answer from the options given below:

**Options :**

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

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

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