

ICAR AIEEA PG AGRONOMY –2020

Solved Paper

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Q.1 Which of the following is a ceremonial weed?

1. *Cynodon dactylon*
2. *Melilotus alba*
3. *Chorchorus capsularis*
4. *Mentha spicata*

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529836

Option 1 ID : 2105293341

Option 2 ID : 2105293342

Option 3 ID : 2105293343

Option 4 ID : 2105293344

Status : Answered

Chosen Option : 3

Q.2

Match List I with list II

List I	List II
(Crop)	(Origin)
A. Safflower	I. The Southwest United States and Mexico
B. Sunflower	II. Indian sub-Continent
C. Soybean	III. The Mediterranean and the Persian Gulf
D. Green gram	IV. China

Choose the correct answer from the options given below

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529835

Option 1 ID : 2105293337

Option 2 ID : 2105293338

Option 3 ID : 2105293339

Option 4 ID : 2105293340

Status : Answered

Chosen Option : 3

Q.3

For the analysis of variance of data from plot sampling in a CRD with 't' treatments, 'r' replications and 's' sampling units per plot, sampling error will be

1. $(r-1)(s-1)$
2. $rt(s-1)$
3. $r(st-1)$
4. $t(r-1)(s-1)$

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529817

Option 1 ID : 2105293265

Option 2 ID : 2105293266

Option 3 ID : 2105293267

Option 4 ID : 2105293268

Status : Answered

Chosen Option : 1

Q.4

Identify the correct order of the following methods of irrigation as per their water-use efficiency from the maximum to minimum efficiency.

1. Continuous flowing > Flooding > Cablegation > Bubbler
2. Bubbler > Cablegation > Flooding > Continuous flowing
3. Cablegation > Flooding > Bubbler > Continuous flowing
4. Bubbler > Flooding > Continuous flowing > Cablegation

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529862

Option 1 ID : 2105293445

Option 2 ID : 2105293446

Option 3 ID : 2105293447

Option 4 ID : 2105293448

Status : Answered

Chosen Option : 2

Q.5 The important biological control insect for *Parthenium hysterophorus* in India is

1. *Zygogramma bicolorata*
2. *Teleonemia scrupulosa*
3. *Sida latifolia*
4. *Orsioliella javanica*

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529846

Option 1 ID : 2105293381

Option 2 ID : 2105293382

Option 3 ID : 2105293383

Option 4 ID : 2105293384

Status : Answered

Chosen Option : 1

Q.6 Which one of the following is NOT a quality parameter of rice grain?

1. Milling quality
2. Cooking quality
3. Eating quality
4. Curing quality

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529821

Option 1 ID : 2105293281

Option 2 ID : 2105293282

Option 3 ID : 2105293283

Option 4 ID : 2105293284

Status : Answered

Chosen Option : 3

Q.7

What will be the error d.f. for a R.B.D. field experiment with 8 treatments and 3 replications?

1. 5
2. 11
3. 14
4. 24

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529819

Option 1 ID : 2105293273

Option 2 ID : 2105293274

Option 3 ID : 2105293275

Option 4 ID : 2105293276

Status : Answered

Chosen Option : 4

Q.8

Triose phosphate is formed in the reduction step of

1. Hatch and Slack cycle
2. Calvin cycle
3. Oxidative photosynthetic carbon cycle
4. CAM

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529786

Option 1 ID : 2105293141

Option 2 ID : 2105293142

Option 3 ID : 2105293143

Option 4 ID : 2105293144

Status : Not Answered

Chosen Option : --

Q.9

Match List I with list II

List I	List II
A. PAR	I. Pluviometer
B. Canopy temperature	II. Quantum sensor
C. Rainfall	III. Wind vane
D. Wind direction	IV. IR-thermometer

Choose the correct answer from the options given below

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529815

Option 1 ID : 2105293257

Option 2 ID : 2105293258

Option 3 ID : 2105293259

Option 4 ID : 2105293260

Status : Answered

Chosen Option : 3

Q.10 Ozone concentration in the atmosphere is reduced by

1. CO₂ and O₂
2. H₂S and CH₄
3. CFC and Cl₂
4. N₂ and N₂O

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529816

Option 1 ID : 2105293261

Option 2 ID : 2105293262

Option 3 ID : 2105293263

Option 4 ID : 2105293264

Status : Answered

Chosen Option : 3

Q.11

Under dryland farming situation which practice is most prominent?

1. Single cropping
2. Double cropping
3. Relay cropping
4. Multiple cropping

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529887

Option 1 ID : 2105293545

Option 2 ID : 2105293546

Option 3 ID : 2105293547

Option 4 ID : 2105293548

Status : Answered

Chosen Option : 1

Q.12 The highest number of resistant weeds are associated with which group of herbicides?

1. Dinitroanilines
2. Bipyrillidiums
3. Synthetic auxins
4. Triazines

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529844

Option 1 ID : 2105293373

Option 2 ID : 2105293374

Option 3 ID : 2105293375

Option 4 ID : 2105293376

Status : Answered

Chosen Option : 4

Q.13

Match List I with List II

List I	List II
A. Stomatal closing	I. Silicon
B. Film-forming	II. PMA
C. Reflectant	III. Cycocel
D. Growth retardant	IV. Kaolin

Choose the correct answer from the options given below

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

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529886

Option 1 ID : 2105293541

Option 2 ID : 2105293542

Option 3 ID : 2105293543

Option 4 ID : 2105293544

Status : Answered

Chosen Option : 1

Q.14

Useful part of *Plantago* (Psyllium) is

- A. Root
- B. Shoot
- C. Seed husk
- D. Leaves

Choose the correct answer from the options given below

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

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 210529833

Option 1 ID : 2105293329

Option 2 ID : 2105293330

Option 3 ID : 2105293331

Option 4 ID : 2105293332

Status : Answered

Chosen Option : 1

Q.15 Weeds propagating through tubers

- 1. *Cyperus rotundus*
- 2. *Cirsium arvens*
- 3. *Allium vineale*
- 4. *Cynodon dactylon*

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 210529838

Option 1 ID : 2105293349

Option 2 ID : 2105293350

Option 3 ID : 2105293351

Option 4 ID : 2105293352

Status : Answered

Chosen Option : 3

Q.16 Given below are two statements:

Statement I:

Ammonium sulphate can supply nitrogen, calcium and sulphur to crops

Statement II:

Ammonium sulphate is the most suited nitrogen fertilizer for acidic soils.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529871

Option 1 ID : 2105293481

Option 2 ID : 2105293482

Option 3 ID : 2105293483

Option 4 ID : 2105293484

Status : Answered

Chosen Option : 1

Q.17 Post-emergence herbicide for weed management in rice is

1. Butachlor
2. Bispyribac sodium
3. Thiobencarb
4. Nitrofen

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529852

Option 1 ID : 2105293405

Option 2 ID : 2105293406

Option 3 ID : 2105293407

Option 4 ID : 2105293408

Status : Answered

Chosen Option : 1

Q.18 Given below are two statements:

Statement I

Circulation of air over tropics is dominated by Hadley cell and Walker cell

Statement II

Hadley cell is associated with N-S direction and Walker cell is associated with E-W direction

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

1. Both statement I and Statement II are true
2. Both statement I and statement II are false
3. Statement I is correct but statement II is false
4. Statement I is incorrect but statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529810

Option 1 ID : 2105293237

Option 2 ID : 2105293238

Option 3 ID : 2105293239

Option 4 ID : 2105293240

Status : Not Answered

Chosen Option : --

Q.19 Given below are two statements:

Statement I

Seedling blight, collar rot, stem rot, and root rot are the important fungal diseases of jute crop

Statement II

Anthraco nose is a major bacterial disease of jute.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529826

Option 1 ID : 2105293301

Option 2 ID : 2105293302

Option 3 ID : 2105293303

Option 4 ID : 2105293304

Status : Answered

Chosen Option : 1

Q.20 A weed with short-lived blue coloured flowers is

1. *Erigeron canadensis*
2. *Echinochloa colona*
3. *Avena ludoviciana*
4. *Commelina benghalensis*

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529853

Option 1 ID : 2105293409

Option 2 ID : 2105293410

Option 3 ID : 2105293411

Option 4 ID : 2105293412

Status : Answered

Chosen Option : 4

Q.21

In which year did the ICAR-National Bureau of Soil Survey and Land Use Planning (ICAR-NBSS & LUP) categorize India into different Agro-Ecological regions (AERs) for the first time?

1. 1996
2. 1997
3. 1998
4. 1999

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529812

Option 1 ID : 2105293245

Option 2 ID : 2105293246

Option 3 ID : 2105293247

Option 4 ID : 2105293248

Status : Answered

Chosen Option : 1

Q.22

Match List I with List II

List I	List II
A. Phototropism	I. Bending towards soil
B. Geotropism	II. Response to day length
C. Thigmotropism	III. Bending towards light
D. Photoperiodism	IV. Touch me not

Choose the correct answer from the options given below

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

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529799

Option 1 ID : 2105293193

Option 2 ID : 2105293194

Option 3 ID : 2105293195

Option 4 ID : 2105293196

Status : Answered

Chosen Option : 4

Q.23 The principal objective of alley cropping is

1. To get green and palatable fodder from hedge rows and reasonable yield of intercrops
2. To maximize crop yield
3. To control wind erosion
4. To increase soil fertility

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529898

Option 1 ID : 2105293589

Option 2 ID : 2105293590

Option 3 ID : 2105293591

Option 4 ID : 2105293592

Status : Answered

Chosen Option : 1

Q.24 Chronological development in commercial use of herbicide is

- A. Triazines
- B. Phenoxyalkanoic acids
- C. Dinitroanilines
- D. Sulfonylureas
- E. Phenoxy (aryloxy) propionates

Choose the correct answer from the options given below

1. E – B – A – C – D
2. A – B – C – D – E
3. B – A – D – E – C
4. B – C – A – E – D

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529842

Option 1 ID : 2105293365

Option 2 ID : 2105293366

Option 3 ID : 2105293367

Option 4 ID : 2105293368

Status : Not Answered

Chosen Option : --

Q.25 Given below are two statements:

Statement I:

Waterlogging causes injury to crops due to low oxygen content and accumulation of hydrocarbon gases, hydrogen sulphide, and carbon dioxide

Statement II:

Ethanol production and activity of dehydrogenase decreases in roots of waterlogged plants

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529860

Option 1 ID : 2105293437

Option 2 ID : 2105293438

Option 3 ID : 2105293439

Option 4 ID : 2105293440

Status : Answered

2

Q.26

Given below are two statements:

Statement I

Crop sequences involving cereals and pulses are commonly followed under the irrigated agro-ecosystem in the southern region of Indian sub-continent

Statement II

One of the prominent cropping sequences followed in the irrigated agro-ecosystem of southern India is rice-rice- green gram.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529823

Option 1 ID : 2105293289

Option 2 ID : 2105293290

Option 3 ID : 2105293291

Option 4 ID : 2105293292

Status : Answered

Chosen Option : 1

Q.27

The technique of growing plants with their roots suspended in air without soil is called

1. Phytotronics
2. Aeroponics
3. Hydroponics
4. Aerosols

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529783

Option 1 ID : 2105293129

Option 2 ID : 2105293130

Option 3 ID : 2105293131

Option 4 ID : 2105293132

Status : Answered

Chosen Option : 2

Q.28 Which of the following causes a 'resource' influencing competition in a weed-crop environment:

1. pH
2. Bulk density
3. Water holding capacity
4. Phosphorus

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529840

Option 1 ID : 2105293357

Option 2 ID : 2105293358

Option 3 ID : 2105293359

Option 4 ID : 2105293360

Status : Answered

Chosen Option : 3

Q.29 Chronology in the grass-weed growth stages is

- A. Booting
- B. Tillering
- C. Anthesis
- D. Dough
- E. Seedling

Choose the correct answer from the option given below

1. E – B – A – C – D
2. A – B – C – D – E
3. D – A – B – E – C
4. E – D – C – D – A

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529841

Option 1 ID : 2105293361

Option 2 ID : 2105293362

Option 3 ID : 2105293363

Option 4 ID : 2105293364

Status : Answered

Chosen Option : 1

Q.30 Monocropping of tobacco is always discouraged as

- A. it leads to the development of Pest and disease complex
- B. it decreases soil fertility
- C. it reduces germination of crops
- D. it leads to crop failure due to water stress
- E. curing becomes difficult

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

- 1. A & B only
- 2. A & C only
- 3. A only
- 4. D & E only

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529827

Option 1 ID : 2105293305

Option 2 ID : 2105293306

Option 3 ID : 2105293307

Option 4 ID : 2105293308

Status : Answered

Chosen Option : 4

Q.31

Given below are two statements:

Statement I

Two contiguous watersheds are mostly similar in characteristics

Statement II

Each watershed unit is a well-defined topographically delineated area with a distinct boundary

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529890

Option 1 ID : 2105293557

Option 2 ID : 2105293558

Option 3 ID : 2105293559

Option 4 ID : 2105293560

Status : Answered

Chosen Option : 1

Q.32

The point at which CO₂ uptake exactly balances CO₂ release is called

1. Quantum yield
2. Solar tracking
3. Light compensation point
4. Threshold point

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529787

Option 1 ID : 2105293145

Option 2 ID : 2105293146

Option 3 ID : 2105293147

Option 4 ID : 2105293148

Status : Answered

Chosen Option : 1

Q.33

Match list I with list II

List I	List II
A. Protein legend interactions	I. IRGA
B. Rate of photosynthesis	II. Planimeter
C. Transpiration rate	III. Isothermal titration colorimetry
D. Leaf area	IV. Porometer

Choose the correct answer from the options given below:

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

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529794

Option 1 ID : 2105293173

Option 2 ID : 2105293174

Option 3 ID : 2105293175

Option 4 ID : 2105293176

Status : Answered

Chosen Option : 1

Q.34 Given below are two statements:

Statement I

A remote sensing system that possesses only a sensor and depends on an external source to irradiate the target to be called an active remote sensing system

Statement II

INSAT series of satellites are polar-orbiting satellites.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529805

Option 1 ID : 2105293217

Option 2 ID : 2105293218

Option 3 ID : 2105293219

Option 4 ID : 2105293220

Status : Answered

Chosen Option : 1

Q.35

Desmotubules are identified in which of the following organelles

1. Golgi bodies
2. Endoplasmic reticulum
3. Cytoskeleton
4. Plasmodesmata

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529792

Option 1 ID : 2105293165

Option 2 ID : 2105293166

Option 3 ID : 2105293167

Option 4 ID : 2105293168

Status : Not Answered

Chosen Option : --

Q.36 Calculate the plant population of sugarcane in 1 ha area, if planted in paired row spacing of 60/120 cm and the number of canes in 4-metre row length is 50.

1. 1,35, 000
2. 1,38,888
3. 1,39,888
4. 1,40,888

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529828

Option 1 ID : 2105293309

Option 2 ID : 2105293310

Option 3 ID : 2105293311

Option 4 ID : 2105293312

Status : Not Answered

Chosen Option : --

Q.37 Given below are two statements

Statement I

A Species is generally defined as a uniform interbreeding population spread over time and space

Statement II

A community is a group of populations of different species in a given area

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529807

Option 1 ID : 2105293225

Option 2 ID : 2105293226

Option 3 ID : 2105293227

Option 4 ID : 2105293228

Status : Not Answered

Chosen Option : --

Q.38 Arrange the following major events in dryland agriculture research in chronological order of their establishment

- A. ICRISAT
- B. AICRP-DA
- C. ORPs
- D. KVK
- E. CRIDA

Choose the correct answer from the options given below

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

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 210529883

Option 1 ID : 2105293529

Option 2 ID : 2105293530

Option 3 ID : 2105293531

Option 4 ID : 2105293532

Status : Answered

Chosen Option : 1

Q.39

Diara land comes under

- 1. Salt affected areas
- 2. High rainfall areas
- 3. Flood prone areas
- 4. Arid areas

Options 1. 1

- 2. 2
- 3. 3
- 4. 4

Question Type : MCQ

Question ID : 210529891

Option 1 ID : 2105293561

Option 2 ID : 2105293562

Option 3 ID : 2105293563

Option 4 ID : 2105293564

Status : Answered

Chosen Option : 3

Q.40 Moisture availability index of 0.34 to 0.67 indicates which of the following class?

1. Very deficient
2. Moderate deficient
3. Excessive moisture
4. Adequate moisture

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529881

Option 1 ID : 2105293521

Option 2 ID : 2105293522

Option 3 ID : 2105293523

Option 4 ID : 2105293524

Status : Not Answered

Chosen Option : --

Q.41

Plastids that contain high concentrations of carotenoid pigments rather than chlorophyll pigments are

1. Leucoplasts
2. Chromoplasts
3. Amyloplasts
4. Chloroplasts

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529781

Option 1 ID : 2105293121

Option 2 ID : 2105293122

Option 3 ID : 2105293123

Option 4 ID : 2105293124

Status : Answered

Chosen Option : 4

Q.42 Rate of transpiration in crop plants is maximum during

1. Morning
2. Little before noon
3. Afternoon
4. Evening

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529793

Option 1 ID : 2105293169

Option 2 ID : 2105293170

Option 3 ID : 2105293171

Option 4 ID : 2105293172

Status : Answered

Chosen Option : 3

Q.43 Which of the following weeds is a holo root-parasite?

1. *Loranthus*
2. *Striga*
3. *Orobanche*
4. *Cuscuta*

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529855

Option 1 ID : 2105293417

Option 2 ID : 2105293418

Option 3 ID : 2105293419

Option 4 ID : 2105293420

Status : Answered

Chosen Option : 2

Q.44

A wheat crop growing in a 40-hectare area was irrigated with 10 cumecs of water for 6 hours. Water stored in the root zone was 30 cm. What is the field application efficiency?

1. 20.55%
2. 44.44%
3. 50.35%
4. 55.55%

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529863

Option 1 ID : 2105293449

Option 2 ID : 2105293450

Option 3 ID : 2105293451

Option 4 ID : 2105293452

Status : Not Answered

Chosen Option : --

Q.45

Given below are two statements:

Statement I

Potassium is accumulated passively by both the cytosol and vacuole when extracellular K^+ concentrations are very low in which case it is taken up actively.

Statement II

Nitrogen is an important element that participates in the opening and closing of stomata.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529784

Option 1 ID : 2105293133

Option 2 ID : 2105293134

Option 3 ID : 2105293135

Option 4 ID : 2105293136

Status : Not Answered

Chosen Option : --

Q.46 What will be the effect of tillage on the thermal conductivity of soil?

1. Remain unchanged
2. Decreases
3. Increases
4. First increases then decrease

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529808

Option 1 ID : 2105293229

Option 2 ID : 2105293230

Option 3 ID : 2105293231

Option 4 ID : 2105293232

Status : Answered

Chosen Option : 3

Q.47 The concentration of macronutrients in dry plant tissues is

1. Less than 0.1 percent
2. More than 0.1 percent
3. Less than 0.01 percent
4. More than 0.01 percent

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529875

Option 1 ID : 2105293497

Option 2 ID : 2105293498

Option 3 ID : 2105293499

Option 4 ID : 2105293500

Status : Answered

Chosen Option : 1

Q.48 Which among the following soil resource indicators gives the highest priority for evaluating agricultural sustainability?

1. Weed intensity
2. Soil pH
3. Water table depth
4. Soil organic matter

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529899

Option 1 ID : 2105293593

Option 2 ID : 2105293594

Option 3 ID : 2105293595

Option 4 ID : 2105293596

Status : Answered

Chosen Option : 4

Q.49 Nutrient index approach of soil fertility evaluation was proposed by

1. Liebig
2. Parker
3. Mehlich
4. Piper

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529873

Option 1 ID : 2105293489

Option 2 ID : 2105293490

Option 3 ID : 2105293491

Option 4 ID : 2105293492

Status : Answered

Chosen Option : 1

Q.50

Given below are two statements:

Statement I ATP synthase produces ATP as protons diffuse back through it from the lumen into the stroma.

Statement II

Malate and aspartate are carboxylation products of the C_3 cycle.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529785

Option 1 ID : 2105293137

Option 2 ID : 2105293138

Option 3 ID : 2105293139

Option 4 ID : 2105293140

Status : Not Answered

Chosen Option : --

Q.51 Which amongst the following is a commonly used method for determining soil moisture constant under laboratory conditions?

1. Tensiometer
2. Neutron probe
3. Gypsum block
4. Pressure plate membrane apparatus

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529857

Option 1 ID : 2105293425

Option 2 ID : 2105293426

Option 3 ID : 2105293427

Option 4 ID : 2105293428

Status : Answered

Chosen Option : 4

Q.52 Water analysis of a bore well reports as under

CO_3^{2-} : 1.2 me l^{-1}

HCO_3^{2-} : 4.0 me l^{-1}

Ca^{2+} : 2.6 me l^{-1}

Mg^{2+} : 1.5 me l^{-1}

Calculate the RSC (residual sodium carbonate) in the bore well water

1. 3.9 me l^{-1}

2. 3.3 me l^{-1}

3. 1.7 me l^{-1}

4. 3.1 me l^{-1}

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529894

Option 1 ID : 2105293573

Option 2 ID : 2105293574

Option 3 ID : 2105293575

Option 4 ID : 2105293576

Status : Not Answered

Chosen Option : --

Q.53 Given below are two statements:

Statement I

If the ozone concentration decreases in the atmosphere, more UV radiation will reach the earth's surface

Statement II

The adverse effect of 1°C in temperature can be compensated by increasing CO₂ concentration up to 600 ppm.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529811

Option 1 ID : 2105293241

Option 2 ID : 2105293242

Option 3 ID : 2105293243

Option 4 ID : 2105293244

Status : Answered

Chosen Option : 1

Q.54 CAM plants are adapted to which type of environment?

1. Humid
2. Perhumid
3. Arid
4. Monsoon

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529806

Option 1 ID : 2105293221

Option 2 ID : 2105293222

Option 3 ID : 2105293223

Option 4 ID : 2105293224

Status : Answered

Chosen Option : 3

Q.55 *Parthenium* Awareness Week in India during the month of August each year is coordinated /organized by which directorate/institute of ICAR?

1. ICAR-DWR, Jabalpur
2. ICAR-IARI, New Delhi
3. ICAR- CSSRI, Karnal
4. ICAR-IIFSR, Modipuram

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529848

Option 1 ID : 2105293389

Option 2 ID : 2105293390

Option 3 ID : 2105293391

Option 4 ID : 2105293392

Status : Answered

Chosen Option : 1

Q.56 Determine the volume of HCl required to prepare 0.6 N HCl solution (Given: specific gravity of HCl = 1.18 g/ml; purity percentage = 35%)

1. 6.50 ml
2. 53.03 ml
3. 73.83 ml
4. 65.10 ml

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529869

Option 1 ID : 2105293473

Option 2 ID : 2105293474

Option 3 ID : 2105293475

Option 4 ID : 2105293476

Status : Not Answered

Chosen Option : --

Q.57 Match List I with List II

List I	List II
A. Feroze Shah Tughlaq's rule	I. Eastern Yamuna Canal
B. Mughal rule	II. Ganga Canal Project
C. Rangila Mohammad Shah rule	III. Western Yamuna Canal
D. Sir Aukland's Tenure	IV. Ground Water Resources

Choose the correct answer from the options given below

1. A – I; B – II; C – IV; D – III
2. A – III; B – IV; C – I; D – II
3. A – II; B – III; C – I; D – IV
4. A – IV; B – II; C – III; D – I

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529864

Option 1 ID : 2105293453

Option 2 ID : 2105293454

Option 3 ID : 2105293455

Option 4 ID : 2105293456

Status : Answered

Chosen Option : 4

Q.58 Which of the following weeds has a cup-shaped corolla?

1. *Avena ludoviciana*
2. *Convolvulus arvensis*
3. *Chenopodium album*
4. *Cyprus rotundus*

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529837

Option 1 ID : 2105293345

Option 2 ID : 2105293346

Option 3 ID : 2105293347

Option 4 ID : 2105293348

Status : Answered

Chosen Option : 1

Q.59 Match List I with List II

List I	List II
(Year)	(Pulse production in million tonnes)
A. 2014-15	I. 17.15
B. 2015-16	II. 16.35
C. 2016-17	III. 25.41
D. 2017-18	IV. 23.13

Choose the correct answer from the options given below

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529829

Option 1 ID : 2105293313

Option 2 ID : 2105293314

Option 3 ID : 2105293315

Option 4 ID : 2105293316

Status : Answered

Chosen Option : 1

Q.60 Which of the following irrigation methods is most suitable for the wheat crop?

1. Sprinkler
2. Drip
3. Bubbler
4. Drumkit

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529856

Option 1 ID : 2105293421

Option 2 ID : 2105293422

Option 3 ID : 2105293423

Option 4 ID : 2105293424

Status : Answered

Chosen Option : 3

Q.61

Awne varieties give more yield under drought situations as compared to awnless varieties and the contribution of awns in photosynthesis to grain is

1. 5%
2. 10%
3. 12%
4. 15%

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529885

Option 1 ID : 2105293537

Option 2 ID : 2105293538

Option 3 ID : 2105293539

Option 4 ID : 2105293540

Status : Answered

Chosen Option : 2

Q.62

Given below are two statements:

Statement I:

Single superphosphate, double superphosphate, and triple superphosphate are monocalcium phosphates

Statement II:

Monocalcium phosphates are water-soluble and thus have high leaching losses

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529866

Option 1 ID : 2105293461

Option 2 ID : 2105293462

Option 3 ID : 2105293463

Option 4 ID : 2105293464

Status : Answered

Chosen Option : 1

Q.63

Which of the following is not zymogen?

1. Pepsinogen
2. Trypsinogen
3. Procarboxy peptidase
4. Pyrrolidine

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529788

Option 1 ID : 2105293149

Option 2 ID : 2105293150

Option 3 ID : 2105293151

Option 4 ID : 2105293152

Status : Answered

Chosen Option : 3

Q.64

Match List I with list II

List I	List II
(Disease)	(Control Measure)
A. Blast of foxtail millet	I. Wettable sulphur (0.3%)
B. Rust of foxtail millet	II. Mancozeb (0.2%)
C. Downy mildew of foxtail millet	III. Carboxin (1 g)
D. Head smut of Kodo millet	IV. Ridomil (MZ)

Choose the correct answer from the options given below

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529796

Option 1 ID : 2105293181

Option 2 ID : 2105293182

Option 3 ID : 2105293183

Option 4 ID : 2105293184

Status : Answered

Chosen Option : 4

Q.65

The NAVSTAR Global Positioning System is maintained by

1. Japan Space Agency
2. Indian Space Research Organization
3. USA Department of Defence
4. European Space Agency

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529803

Option 1 ID : 2105293209

Option 2 ID : 2105293210

Option 3 ID : 2105293211

Option 4 ID : 2105293212

Status : Answered

Chosen Option : 1

Q.66

Given below are two statements:

Statement I

Nutrients that are important in energy storage reactions are often present in plant tissues.

Statement II

Some virus-induced plant diseases may produce symptoms similar to those of nutrient deficiencies.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529782

Option 1 ID : 2105293125

Option 2 ID : 2105293126

Option 3 ID : 2105293127

Option 4 ID : 2105293128

Status : Answered

Chosen Option : 1

Q.67

First operational Indian Remote Sensing satellite IRS-1A was launched in the year

1. 1988
2. 1989
3. 1990
4. 1991

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529802

Option 1 ID : 2105293205

Option 2 ID : 2105293206

Option 3 ID : 2105293207

Option 4 ID : 2105293208

Status : Answered

Chosen Option : 3

Q.68 Arrange the sequence of steps involved in the procedure for construction of ANOVA in Latin Square Design

- A. Arrange the raw data according to their row and column designation with corresponding treatments specified for each observation
- B. Outline analysis of variance table
- C. Compute F value
- D. Compute DF for each source of variation, CF and the various sum of squares and MSS
- E. Compute CV

Choose the correct answer from the options given below

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

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529818

Option 1 ID : 2105293269

Option 2 ID : 2105293270

Option 3 ID : 2105293271

Option 4 ID : 2105293272

Status : Not Answered

Chosen Option : --

Q.69

How many stereoisomers does a ketopentose have?

1. 4
2. 6
3. 8
4. 10

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529797

Option 1 ID : 2105293185

Option 2 ID : 2105293186

Option 3 ID : 2105293187

Option 4 ID : 2105293188

Status : Not Answered

Chosen Option : --

Q.70 Given below are two statements:

Statement I

A heat unit is the departure from the mean daily temperature below the maximum temperature.

Statement II

Q_{10} is the ratio of the rate of a process at a certain temperature to that at a temperature 10°C lower.

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

1. Both Statement I and Statement II are true
2. Both statement I and statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529813

Option 1 ID : 2105293249

Option 2 ID : 2105293250

Option 3 ID : 2105293251

Option 4 ID : 2105293252

Status : Not Answered

Chosen Option : --

Q.71 Which of the following indicates a situation of hidden hunger in plants?

1. Plant expresses nutrient deficiency symptoms when a nutrient is deficient
2. Plant registers severe yield reduction without expressing deficiency symptoms
3. Plant nutrient is in sufficient quantity but seems to be deficient
4. Plant is unable to express symptoms due to other elements

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529874

Option 1 ID : 2105293493

Option 2 ID : 2105293494

Option 3 ID : 2105293495

Option 4 ID : 2105293496

Status : Answered

Chosen Option : 2

Q.72 What amount of Urea, SSP, and MOP is required for application in the wheat crop at the rate of 120, 64, 30 kg N, P_2O_5 and K_2O ha^{-1} ?

1. 261; 400 and 50 kg Urea, SSP and MOP
2. 130; 200 and 50 kg Urea, SSP and MOP
3. 261; 200 and 25 kg Urea, SSP and MOP
4. 261; 100 and 25 kg Urea, SSP and MOP

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529879

Option 1 ID : 2105293513

Option 2 ID : 2105293514

Option 3 ID : 2105293515

Option 4 ID : 2105293516

Status : Not Answered

Chosen Option : --

Q.73 What is the amount of Topik 10% WP required for 4000 m² wheat field if the rate of application of Clodinafop-propargyl is 60 g ha⁻¹?

1. 120 g
2. 240 g
3. 480 g
4. 600 g

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529854

Option 1 ID : 2105293413

Option 2 ID : 2105293414

Option 3 ID : 2105293415

Option 4 ID : 2105293416

Status : Not Answered

Chosen Option : --

Q.74 Match List I with List II

List I	List II
A. Law of Minimum	I. Mitscherlich
B. $dy/dx = (A-y) C$	II. Spillman
C. $y = M (1-R^x)$	III. Baule
D. Percent yield	IV. Liebig

Choose the correct answer from the options given below:

1. A – III; B- II; C – IV; D – I
2. A – IV; B – I; C – II; D – III
3. A – IV; B – III; C – I; D – II
4. A – III; B – II; C – I; D – III

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529876

Option 1 ID : 2105293501

Option 2 ID : 2105293502

Option 3 ID : 2105293503

Option 4 ID : 2105293504

Status : Answered

Chosen Option : 2

Q.75 Calculate the water conveyance efficiency if water delivered to the farm is 84 mm and water diverted from the source is 140 mm.

1. 50%
2. 60%
3. 70%
4. 80%

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529858

Option 1 ID : 2105293429

Option 2 ID : 2105293430

Option 3 ID : 2105293431

Option 4 ID : 2105293432

Status : Not Answered

Chosen Option : --

Q.76 Branching and pod formation are the most critical stages for irrigation in

- A. Cereal crops
- B. Pulse crops
- C. Pulses and Forage crops
- D. Medicinal crops
- E. Aromatic plants

Choose the correct answer from the options given below:

1. B only
2. B & C only
3. A & D only
4. D & E only

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529834

Option 1 ID : 2105293333

Option 2 ID : 2105293334

Option 3 ID : 2105293335

Option 4 ID : 2105293336

Status : Answered

Chosen Option : 1

Q.77 The most commonly used method of herbicide application in India is

1. Spraying
2. Sand application
3. Cut and stump
4. Band placement

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529845

Option 1 ID : 2105293377

Option 2 ID : 2105293378

Option 3 ID : 2105293379

Option 4 ID : 2105293380

Status : Answered

Chosen Option : 1

Q.78 Calculate the plant population of maize in 6000 m² area, if it is sown at a spacing of 60cm × 25 cm

1. 40, 000 plants
2. 50,000 plants
3. 60, 000 plants
4. 10,0000 plants

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529822

Option 1 ID : 2105293285

Option 2 ID : 2105293286

Option 3 ID : 2105293287

Option 4 ID : 2105293288

Status : Answered

Chosen Option : 1

Q.79 In irrigated salt-affected soils, under raised bed planting system where should the seedlings be planted?

1. At top of the bed
2. At mid slope of the bed
3. At centre of the furrow
4. Seedling can't be transplanted

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529895

Option 1 ID : 2105293577

Option 2 ID : 2105293578

Option 3 ID : 2105293579

Option 4 ID : 2105293580

Status : Not Answered

Chosen Option : --

Q.80 The mode of herbicide action wherein the weed plants are bleached white, is caused by which of the following herbicides?

1. Atrazine
2. Clodinafop propargyl
3. Pendimethalin
4. Tembotrione

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529851

Option 1 ID : 2105293401

Option 2 ID : 2105293402

Option 3 ID : 2105293403

Option 4 ID : 2105293404

Status : Not Answered

Chosen Option : --

Q.81

Match List I with List II

List I	List II
(Fodder Crops)	(Variety)
A. Oats	I. NB 21
B. <i>Berseem</i>	II. African Giant
C. Maize	III. Kent
D. Napier	IV. Mescavi

Choose the correct answer from the options given below:

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529831

Option 1 ID : 2105293321

Option 2 ID : 2105293322

Option 3 ID : 2105293323

Option 4 ID : 2105293324

Status : Answered

Chosen Option : 3

Q.82 NDVI of a crop can be measured by using

1. Leaf colour chart
2. Chlorophyll meter
3. Green Seeker
4. Canopy analyser

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529820

Option 1 ID : 2105293277

Option 2 ID : 2105293278

Option 3 ID : 2105293279

Option 4 ID : 2105293280

Status : Answered

Chosen Option : 1

Q.83

Each turn of β -oxidation spiral generates two reduced coenzymes in the form of

1. Two NADH moles
2. Two FADH_2 moles
3. One NADH and one FADH_2 moles
4. One NADH_2 and one GTP moles

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529789

Option 1 ID : 2105293153

Option 2 ID : 2105293154

Option 3 ID : 2105293155

Option 4 ID : 2105293156

Status : Not Answered

Chosen Option : --

Q.84

When an abnormal failure of rainfall occurs, the type of drought is referred as

1. Seasonal drought
2. Contingent drought
3. Invisible drought
4. Atmospheric drought

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529884

Option 1 ID : 2105293533

Option 2 ID : 2105293534

Option 3 ID : 2105293535

Option 4 ID : 2105293536

Status : Answered

Chosen Option : 3

Q.85

Maggots enter the stem and feed on the growing point of the central shoot and the attacked tiller is converted into a shining tubular structure called "Silver shoot". It is due to which of the following pests?

1. Rice *Gundhi* bug
2. Rice root weevil
3. Gall midge
4. Rice hispa

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529795

Option 1 ID : 2105293177

Option 2 ID : 2105293178

Option 3 ID : 2105293179

Option 4 ID : 2105293180

Status : Answered

Chosen Option : 1

Q.86 Which of the following does not represent the use of rice husk?

1. Source of plant nutrients
2. Substrate for production of bio fertilizers
3. Fuel
4. Direct human consumption

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529900

Option 1 ID : 2105293597

Option 2 ID : 2105293598

Option 3 ID : 2105293599

Option 4 ID : 2105293600

Status : Answered

Chosen Option : 4

Q.87 Which one of the following is NOT a variety of Chickpea?

1. SCS- 3
2. PBG- 1
3. GNG- 1581
4. IPM 02-3

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529830

Option 1 ID : 2105293317

Option 2 ID : 2105293318

Option 3 ID : 2105293319

Option 4 ID : 2105293320

Status : Answered

Chosen Option : 4

Q.88 Which of the following statements regarding shifting cultivation is NOT true?

1. Initially, it was low input and sustainable land-use system
2. Now, it is not sustainable due to the drastic increase in the gestation period (shifting cycle)
3. Now, it is not sustainable due to the drastic decrease in the gestation period (shifting cycle)
4. It causes erosion and land degradation

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529897

Option 1 ID : 2105293585

Option 2 ID : 2105293586

Option 3 ID : 2105293587

Option 4 ID : 2105293588

Status : Not Answered

Chosen Option : --

Q.89 Given below are two statements:

Statement I

Ginning percentage, colour, trash, fibre quality, and fibre length are the important commercial value parameters of Jute

Statement II

Ribboning, retting and extraction are the quality determining factors of cotton

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529825

Option 1 ID : 2105293297

Option 2 ID : 2105293298

Option 3 ID : 2105293299

Option 4 ID : 2105293300

Status : Answered

Chosen Option : 2

Q.90

NIASM is located at

1. Baramati
2. Nagpur
3. Ranchi
4. Jaipur

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529882

Option 1 ID : 2105293525

Option 2 ID : 2105293526

Option 3 ID : 2105293527

Option 4 ID : 2105293528

Status : Answered

Chosen Option : 1

Q.91

Match List I with List II

List I	List II
(Watersheds)	(State)
A. Sukhomajri	I. Uttarakhand
B. Bunga	II. Punjab
C. Relmajra	III. Chandigarh
D. Fakot	IV. Haryana

Choose the correct answer from the options given below

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

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529889

Option 1 ID : 2105293553

Option 2 ID : 2105293554

Option 3 ID : 2105293555

Option 4 ID : 2105293556

Status : Answered

Chosen Option : 4

Q.92 Given below are two statements:

Statement I

India ranks 1st in the global market of essential oils of aromatic plants

Statement II

Production of essential oils of aromatic plants ranges from 22,000 to 23,000 t / year.

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529832

Option 1 ID : 2105293325

Option 2 ID : 2105293326

Option 3 ID : 2105293327

Option 4 ID : 2105293328

Status : Answered

Chosen Option : 1

Q.93 Benzoquinones and quinones are

1. Slow-release N fertilizers
2. Nitrification inhibitors
3. Urease inhibitors
4. All the above

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529867

Option 1 ID : 2105293465

Option 2 ID : 2105293466

Option 3 ID : 2105293467

Option 4 ID : 2105293468

Status : Answered

Chosen Option : 4

Q.94 The science that deals with the aspects of meteorology having direct relevance to agriculture is called

1. Atmospheric Sciences
2. Environmental Science
3. Agrometeorology
4. Earth Science

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529814

Option 1 ID : 2105293253

Option 2 ID : 2105293254

Option 3 ID : 2105293255

Option 4 ID : 2105293256

Status : Answered

Chosen Option : 3

Q.95 Given below are two statements:

Statement I

A vector in a GIS system is the graphic or visual data model

Statement II

ARC-INFO is a GIS Software.

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

1. Both statement I and Statement II are true
2. Both statement I and statement II are false
3. Statement I is correct but statement II is false
4. Statement I is incorrect but statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529804

Option 1 ID : 2105293213

Option 2 ID : 2105293214

Option 3 ID : 2105293215

Option 4 ID : 2105293216

Status : Not Answered

Chosen Option : --

Q.96 Given below are two statements:

Statement I

Conservation agriculture involves no-tillage or drastically reduced tillage, but biological tillage is allowed

Statement II

During the initial years of conservation agriculture, there is a heavy infestation of weeds but it decreases with passing years

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529896

Option 1 ID : 2105293581

Option 2 ID : 2105293582

Option 3 ID : 2105293583

Option 4 ID : 2105293584

Status : Answered

Chosen Option : 1

Q.97 Which among the following phenomenon directly affects crop growth and yield?

1. Competition for nitrogen
2. Competition for water
3. Competition for carbon dioxide
4. Allelopathy

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529839

Option 1 ID : 2105293353

Option 2 ID : 2105293354

Option 3 ID : 2105293355

Option 4 ID : 2105293356

Status : Answered

Chosen Option : 4

Q.98 Match List I with List II

List I	List II
(Method of determining hydraulic conductivity)	(Expression)
A. Auger hole method for determining hydraulic conductivity (K)	I. $4K(b^2-a^2)/q$
B. Pipe cavity method for determining field hydraulic conductivity (K)	II. $523000 a^2 \log_{10} (Y_0-Y_1)/\Delta t$
C. Constant head permeameter for determining hydraulic conductivity in a laboratory (K)	III. $\pi r^2 \ln (Y_0-Y_1)/[S(t_2-t_1)]$
D. Spacing between drains (S)	IV. $q \times L/[A \times t \times \Delta H]$

Choose the correct answer from the options given below

1. A – IV; B- III; C – I; D – II
2. A – IV; B – II; C – III; D – I
3. A – II; B – III; C – IV; D – I
4. A – III; B – II; C – I; D – IV

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529865

Option 1 ID : 2105293457

Option 2 ID : 2105293458

Option 3 ID : 2105293459

Option 4 ID : 2105293460

Status : Not Answered

Chosen Option : --

Q.99 Which of the following is not a 1:1 type clay mineral?

1. Kaolinite
2. Halloysite
3. Nontronite
4. Chlorite

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529878

Option 1 ID : 2105293509

Option 2 ID : 2105293510

Option 3 ID : 2105293511

Option 4 ID : 2105293512

Status : Answered

Chosen Option : 4

Q.100

The important event in the early history of agriculture started in 4400 BC

- A. Domestication of sheep
- B. Wheat and Barley cultivation
- C. Maize cultivation
- D. Potato cultivation
- E. Rice cultivation

Choose the correct answer from the options given below

1. C only
2. A & B only
3. C & D only
4. A & E only

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529800

Option 1 ID : 2105293197

Option 2 ID : 2105293198

Option 3 ID : 2105293199

Option 4 ID : 2105293200

Status : Answered

Chosen Option : 1

Q.101 A solution contains $1/10000$ moles/l H^+ ions. What is the concentration of hydroxyl ions in this solution?

1. 10^{-10} moles/litre
2. 10^{-4} moles/litre
3. 10^{10} moles/litre
4. 10^4 moles/litre

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529870

Option 1 ID : 2105293477

Option 2 ID : 2105293478

Option 3 ID : 2105293479

Option 4 ID : 2105293480

Status : Not Answered

Chosen Option : --

Q.102 Match list 1 with list II

List I	List I
A. Blossom end rot	I. Cd
B. Itai-Itai disease	II. Ca
C. Marsh spot of bean	III. Mo
D. Whip-tail disease of cauliflower	IV. Mn

Choose the correct answer from the options given below:

1. A – IV; B- II; C – III; D – I
2. A – II; B – I; C – IV; D – III
3. A – II; B – IV; C – III; D – I
4. A – II; B – IV; C – I; D – III

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529872

Option 1 ID : 2105293485

Option 2 ID : 2105293486

Option 3 ID : 2105293487

Option 4 ID : 2105293488

Status : Answered

Chosen Option : 2

Q.103 The fertilizer phosphorus use efficiency under optimum condition is

1. 10 – 15%
2. 15 – 20%
3. 20 – 25%
4. 25 – 30%

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529880

Option 1 ID : 2105293517

Option 2 ID : 2105293518

Option 3 ID : 2105293519

Option 4 ID : 2105293520

Status : Answered

Chosen Option : 3

Q.104

Match List I with list II

List I	List II
A. Finger millet	I. <i>Panicum millaceum</i>
B. Barnyard millet	II. <i>Paspalum scorbiculatum</i>
C. Kodo millet	III. <i>Eleusine coracana</i>
D. Proso millet	IV. <i>Echinochloa frumentacea</i>

Choose the correct answer from the options given below

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

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529824

Option 1 ID : 2105293293

Option 2 ID : 2105293294

Option 3 ID : 2105293295

Option 4 ID : 2105293296

Status : Not Answered

Chosen Option : --

Q.105

Which of the following is released during conversion of succinate to fumarate in TCA cycle?

1. CO₂
2. FADH₂
3. H₂O
4. ATP

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529791

Option 1 ID : 2105293161

Option 2 ID : 2105293162

Option 3 ID : 2105293163

Option 4 ID : 2105293164

Status : Not Answered

Chosen Option : --

Q.106

ICAR - Central Research Institute for Dryland Agriculture is located at

1. Jodhpur
2. Hyderabad
3. Rajahmundry
4. Bikaner

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529801

Option 1 ID : 2105293201

Option 2 ID : 2105293202

Option 3 ID : 2105293203

Option 4 ID : 2105293204

Status : Answered

Chosen Option : 2

Q.107 The effective post-emergence control of *Ageratum houstonianum* can be achieved with

1. Atrazine @3.5 kg ha⁻¹
2. Pendimethalin @ 1.5 kg ha⁻¹
3. Alachlor @ 2.0 kg ha⁻¹
4. Thiobencarb @ 1.0 kg ha⁻¹

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529847

Option 1 ID : 2105293385

Option 2 ID : 2105293386

Option 3 ID : 2105293387

Option 4 ID : 2105293388

Status : Not Answered

Chosen Option : --

Q.108

Given below are two statements:

Statement I: Organic manures contain a low amount of nutrients and are applied in large quantities.

Statement II: Nutrient fractions in organic manures are in organic nature only

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

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement I is correct but Statement II is false
4. Statement I is incorrect but Statement II is true

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529868

Option 1 ID : 2105293469

Option 2 ID : 2105293470

Option 3 ID : 2105293471

Option 4 ID : 2105293472

Status : Answered

Chosen Option : 1

Q.109

What is the unit of SAR (sodium adsorption ratio)?

1. Moles/litre
2. me/litre
3. (me/litre)^{0.5}
4. (Moles/litre)^{0.5}

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529892

Option 1 ID : 2105293565

Option 2 ID : 2105293566

Option 3 ID : 2105293567

Option 4 ID : 2105293568

Status : Answered

Chosen Option : 1

Q.110 In soil plaque method of soil fertility assessment developed by Winogradsky, which micro-organism is studied?

1. *Azotobacter*
2. *Aspergillus*
3. Both *Azotobacter* and *Aspergillus*
4. *Pseudomonas*

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529877

Option 1 ID : 2105293505

Option 2 ID : 2105293506

Option 3 ID : 2105293507

Option 4 ID : 2105293508

Status : Answered

Chosen Option : 3

Q.111

A person got his soil sample analysed and received a test report mentioning soil pH 8.3; ESP 12% and electrical conductivity 5.2 dS m^{-1} .

What type of soil is it?

1. Acid soil
2. Saline soil
3. Alkali soil
4. Saline – alkali soil

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529893

Option 1 ID : 2105293569

Option 2 ID : 2105293570

Option 3 ID : 2105293571

Option 4 ID : 2105293572

Status : Answered

Chosen Option : 2

Q.112 Maximum emission of radiation from the sun takes place at the wave length

1. $0.45 \mu\text{m}$
2. $0.55 \mu\text{m}$
3. $0.90 \mu\text{m}$
4. $1.0 \mu\text{m}$

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529809

Option 1 ID : 2105293233

Option 2 ID : 2105293234

Option 3 ID : 2105293235

Option 4 ID : 2105293236

Status : Answered

Chosen Option : 2

Q.113 Electron transport inhibition in PS-II (Photosystem II) for herbicidal action is observed in

1. Nitriles
2. Ureas
3. Triazines
4. All the above

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529849

Option 1 ID : 2105293393

Option 2 ID : 2105293394

Option 3 ID : 2105293395

Option 4 ID : 2105293396

Status : Not Answered

Chosen Option : --

Q.114 The formulation of 2, 4 – D which is absorbed faster by plants is

1. Ethyl ester
2. Na - salt
3. Amine - salt
4. Isopropyl amine

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529850

Option 1 ID : 2105293397

Option 2 ID : 2105293398

Option 3 ID : 2105293399

Option 4 ID : 2105293400

Status : Not Answered

Chosen Option : --

Q.115

Given below are two statements:

Statement I

As per IMD investigation, drought in Assam is very rare and occurs once in 15 years

Statement II

In Gujarat and Kashmir, its period of occurrence is once in eight years whereas in West Bengal and Bihar once in ten years

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

1. Both statement I and Statement II are true
2. Both statement I and statement II are false
3. Statement I is correct but statement II is false
4. Statement I is incorrect but statement II is true

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529888

Option 1 ID : 2105293549

Option 2 ID : 2105293550

Option 3 ID : 2105293551

Option 4 ID : 2105293552

Status : Answered

Chosen Option : 1

Q.116 Match List I with List II

List I	List II
A. Parallel system	I. Junction box
B. Grouping system	II. Bedding system
C. Special drains	III. Mixed system
D. Surface drains	IV. Grid system

Choose the correct answer from the options given below

1. A – IV; B- III; C – I; D – II
2. A – III; B – II; C – I; D – IV
3. A – I; B – II; C – III; D – IV
4. A – IV; B – II; C – III; D – I

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529859

Option 1 ID : 2105293433

Option 2 ID : 2105293434

Option 3 ID : 2105293435

Option 4 ID : 2105293436

Status : Answered

Chosen Option : 1

Q.117 Match List I with List II

List I	List II
(Crop)	(Water requirement)
A. Rice	I. 400 mm
B. Wheat	II. 300 mm
C. Groundnut	III. 1200 mm
D. Pulses	IV. 600 mm

Choose the correct answer from the options given below

1. A – II; B – IV; C – I; D – III
2. A – III; B – IV; C – II; D – I
3. A – II; B – III; C – IV; D – I
4. A – III; B – IV; C – I; D – II

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529861

Option 1 ID : 2105293441

Option 2 ID : 2105293442

Option 3 ID : 2105293443

Option 4 ID : 2105293444

Status : Answered

Chosen Option : 2

Q.118 The first confirmed occurrence of herbicide resistant strain of a weed species in US was associated with

1. ALS inhibitors
2. Bipyridillium
3. Glycines
4. Triazines

Options 1. 1

2. 2

3. 3

4. 4

Question Type : MCQ

Question ID : 210529843

Option 1 ID : 2105293369

Option 2 ID : 2105293370

Option 3 ID : 2105293371

Option 4 ID : 2105293372

Status : Not Answered

Chosen Option : --

Q.119 An amino acid induced during moisture stress condition and also known as stress indicator is

1. Serine
2. Tryptophan
3. Glycine
4. Proline

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529798

Option 1 ID : 2105293189

Option 2 ID : 2105293190

Option 3 ID : 2105293191

Option 4 ID : 2105293192

Status : Not Answered

Chosen Option : --

Q.120

Chemiosmotic theory was first put forward by

1. Peter Mitchell
2. Paul Boyer
3. John Walker
4. Julius Sachs

Options 1. 1

2. 2
3. 3
4. 4

Question Type : MCQ

Question ID : 210529790

Option 1 ID : 2105293157

Option 2 ID : 2105293158

Option 3 ID : 2105293159

Option 4 ID : 2105293160

Status : Not Answered

Chosen Option : --

Serial No. Answer

01	A
02	C
03	B
04	B
05	A
06	D
07	C
08	B
09	C
10	C
11	A
12	D
13	A
14	A
15	A
16	B
17	B
18	A
19	C
20	D
21	X
22	D
23	A
24	D
25	C
26	A
27	B
28	D
29	A
30	A
31	D
32	C
33	A
34	B
35	D
36	B
37	A
38	A
39	C
40	B
41	B
42	B
43	C

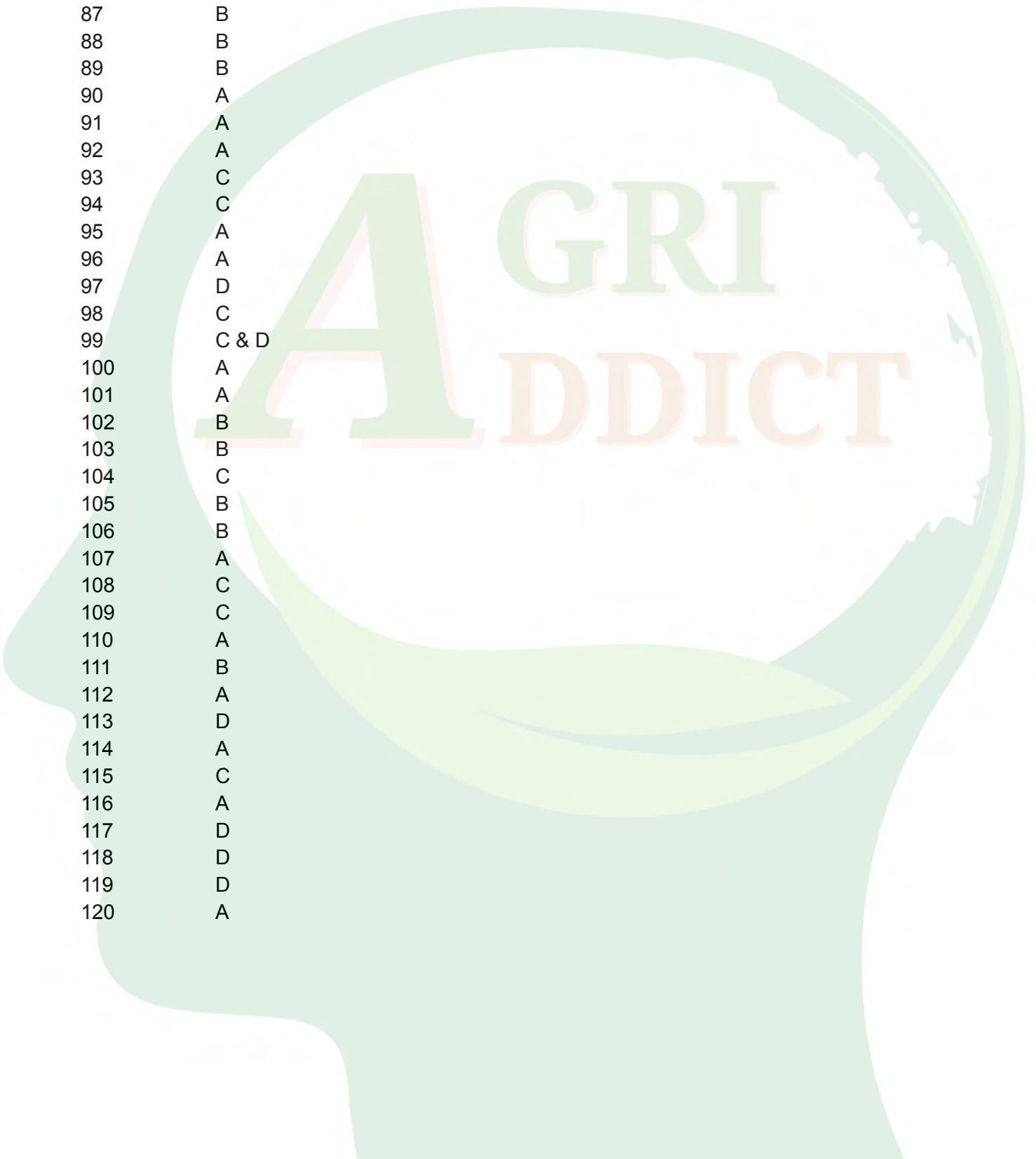
**A GRI
DDICT**

Serial No. Answer

44	D
45	C
46	B
47	B
48	D
49	B
50	C
51	D
52	X
53	A
54	C
55	A
56	B
57	B
58	B
59	A
60	A
61	C
62	C
63	D
64	A
65	C
66	A
67	A
68	A
69	A
70	D
71	B
72	A
73	B
74	B
75	B
76	A
77	A
78	A
79	B
80	D
81	C
82	C
83	C
84	B
85	C
86	D

**A GRI
DDICT**

Serial No. Answer



87	B
88	B
89	B
90	A
91	A
92	A
93	C
94	C
95	A
96	A
97	D
98	C
99	C & D
100	A
101	A
102	B
103	B
104	C
105	B
106	B
107	A
108	C
109	C
110	A
111	B
112	A
113	D
114	A
115	C
116	A
117	D
118	D
119	D
120	A

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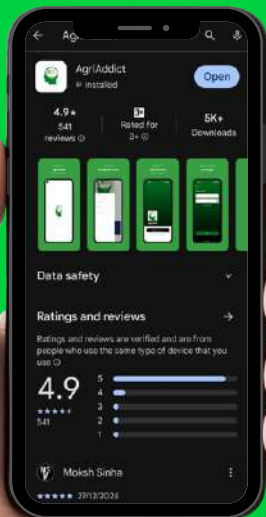
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