

**Q1.** Which of the following is a ceremonial weed?

1. Cynedon dactylon
2. Melilotus alba
3. Charchorus capsularis
4. Mentha spicata

**Answer:** 3. Charchorus capsularis

**Q2.** Match List I with list II List I | List II | . The Southwest United States and Mexico fatten \_ It Indian sub-Continent A. Safflower C, Soybean iii. The Mediterranean and the Persian Gulf Choose the correct answer from the options given below

1. A-tl, B-lt, C-1, D-IV
2. A-t, B-lil, C-IV, D-1|
3. A-ill, B-l, C-IV, D-l/
4. A-ill, B-IV, C-i|, D-l

**Answer:** 1. A-tl, B-lt, C-1, D-IV

**Q4.** 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

**Answer:** 2. Bubbler >Cablegation> Flooding > Continuous flowing



**Q5.** The important biological control insect for *Parthenium hysterophorus* in India is

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

**Answer:** [not found]

**Q6.** 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

**Answer:** 4. Curing quality

**Q8.** Triose phosphate is formed in the reduction step of

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

**Answer:** [not found]



**Q9.** Match List I with list II  
List I: Pluviometer, Rainfall, Wind vane, Wind direction, [R-thermometer]  
List II: B. Canopy temperature, I. 'Quantum sensor, Cc. 'Quantum sensor, Cc. 'Quantum sensor  
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. All, B-IV, C-I, D=III
4. A-II, B-I, C-IV, D-III

**Answer:** 3. All, B-IV, C-I, D=III

**Q10.** Ozone concentration in the atmosphere is reduced by

1. COs and Os
2. [missing]
3. CFC and Cl,
4. No and N<sub>2</sub>O

**Answer:** 1. COs and Os



**Q12.** The highest number of resistant weeds are associated with which group of herbicides?

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

**Answer:** 4. Triazines



**Q13.** Match List I with List II. List I: A. Stomatal closing, B. Reflectant. List II: C, D. 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-H
3. A-IV, B-I, C-III, D-I
4. A-I, B-III, C-II, D-IV

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

**Q14.** Useful part of Plantago (Psyllium) is Root Shoot Seed husk 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

**Answer:** 1. C only



**Q15.** Weeds propagating through tubers

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

**Answer:** 3. Allium vineale



**Q16.** 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

**Answer:** 1. Both Statement I and Statement II are true

**Q17.** Post-emergence herbicide for weed management in rice is

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

**Answer:** 1. Butachlor

**Q19.** 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 Anthracnose 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

**Answer:** [not found]

**Q20.** A weed with short-lived blue coloured flowers is

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

**Answer:** 1. Erigeron canadensis

**Q22.** Match List I with List II. List I A. Phototropism I. Bending towards soil 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-I, B-III, C-I, D-IV
3. A-IV, B-II, C-III, D-I
4. A-II, B-I, C-IV, D-III

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

**Q23.** 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

**Answer:** 1. To get green and palatable fodder from hedge rows and reasonable yield of intercrops

**Q24.** Chronological development in commercial use of herbicide is Triazines Phenoxyalkanoic acids Dinitroanilines Sulfonylureas 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

**Answer:** [not found]

**Q25.** 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 | and Statement II are true
2. Both Statement | and Statement II are false
3. Statement | is correct but Statement II is false
4. Statement | is incorrect but Statement | | is true

**Answer:** 1. Both Statement | and Statement II are true

**Q27.** The technique of growing plants with their roots suspended in air without soil is called



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

**Answer:** 2. Aeroponics

**Q28.** 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

**Answer:** [not found]

**Q29.** Chronology in the grass-weed growth stages is Boating Tillering Dough A. B. Cc. Anthesis dD, 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

**Answer:** [not found]



**Q30.** Monocropping of tobacco is always discouraged as it leads to the development of Pest and disease complex it decreases soil fertility it leads to crop failure due to water stress curing becomes difficult A B Cc. it reduces germination of crops D E. In light of the above statements, choose the most appropriate answer from the options given below: 1A&B only

1. [missing]
2. A & Conly
3. A only
4. D & E only

**Answer: 1**

**Q32.** The point at which CO<sub>2</sub> uptake exactly balances CO<sub>2</sub> release is called

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

**Answer: 1. Quantum yield**

**Q33.** Match list I with list II! List I A. Protein legend interactions | | . IRGA B. Rate of photosynthesis I. Planimeter C. Transpiration rate III. {sothermal titration colorimetry Choose the correct answer from the options given below:

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



**Answer:** 1. A-III, B-1, C-IV, D-II

**Q34.** 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

**Answer:** 1. Both Statement I and Statement II are true

**Q35.** Desmotubules are identified in which of the following organelles

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

**Answer:** [not found]

**Q36.** 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

**Answer:** [not found]

**Q37.** 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

**Answer:** [not found]

**Q38.** Arrange the following major events in dryland agriculture research in chronological order of their establishment ICRISAT AICRP-DA ORPs KVK CRIDA Choose the correct answer from the options given below }, B-A-C-D-E

1. [missing]
2. A-B-C-D-E
3. B-C-A-E-D
4. C-D-E-A-B

**Answer:** 1

**Q39.** Diara land comes under

1. Salt affected areas



2. High rainfall areas
3. Flood prone areas
4. Arid areas

**Answer:** 3. Flood prone areas

**Q40.** 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

**Answer:** [not found]

**Q41.** Plastids that contain high concentrations of carotenoid pigments rather than chlorophyll pigments are

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

**Answer:** 4. Chloroplasts

**Q42.** Rate of transpiration in crop plants is maximum during

1. Morning



2. Little before noon
3. Afternoon
4. Evening

**Answer:** 3. Afternoon

**Q43.** Which of the following weeds is a holo root-parasite?

1. Loranthus
2. Striga
3. Orabanche
4. Cuscuta

**Answer:** 2. Striga

**Q46.** 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

**Answer:** 3. Increases

**Q47.** The concentration of macronutrients in dry plant tissues is

1. Less than 0.7 percent
2. More than 0.1 percent



3. Less than 0.01 percent
4. More than 0,01 percent

**Answer:** 1. Less than 0.7 percent

**Q48.** 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

**Answer:** [not found]

**Q49.** Nutrient index approach of soil fertility evaluation was proposed by

1. Liebig
2. Parker
3. Mehlich
4. [missing]

**Answer:** [not found]

**Q51.** 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

**Answer:** [not found]

**Q52.** Water analysis of a bore well reports as under  $\text{CaCO}_3^*$  :1.2 meq/l  $\text{HCO}_3^-$  ; 4.0 meq/l  $\text{Ca}^{2+}$  32.6 meq/l  $\text{Mg}^{2+}$  : 1.5 meq/l Calculate the RSC (residual sodium carbonate) in the bore well water

1. 3.9 meq/l
2. 3.3 meq/l
3. 1.7 meq/l
4. 3.1 meq/l

**Answer:** [not found]

**Q53.** 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  $1^\circ\text{C}$  in temperature can be compensated by increasing  $\text{CO}_2$  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

**Answer:** 1. Both Statement I and Statement II are true

**Q54.** CAM plants are adapted to which type of environment?

1. Humid



2. Perhumid
3. Arid
4. Monsoon

**Answer:** 3. Arid

**Q55.** 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. |CAR-IIFSR, Modipuram

**Answer:** [not found]

**Q56.** 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

**Answer:** [not found]

**Q57.** Match List | with List I! List | List II A. Feroze Shah Tughlaq's rule |. Eastern Yamuna Canal  
B. Mughal rule I. Ganga Canal Project C. Rangila Mohammad Shah rule III, Western Yamuna



Canal D. Sir Auckland's Tenure IV. Ground Water Resources Choose the correct answer from the options given below

1. A—1; Belk C-1V; D-III
2. A—h B=; C-1;D-II
3. A-N} B-tl; C- 1; D-IWW
4. A—W; B-II; C-lih; D-I

**Answer:** 4. A—W; B-II; C-lih; D-I

**Q58.** Which of the following weeds has a cup-shaped corolla?

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

**Answer:** 1. Avena ludoviciana

**Q59.** Match List I with List II! List II (Pulse production in million tonnes) B. 2015-16 \. 16.35 tl, 25.41 IV, 23.13 Choose the correct answer from. the options given below

1. A-|, B-l, C-IV, D-III
2. A-t, B-il, C-ill, D-IV
3. A-IV, B-ltl, C-1, D-II
4. A-WV, Beil, C-H1l, D-

**Answer:** 1. A-|, B-l, C-IV, D-III



**Q60.** Which of the following irrigation methods is most suitable for the wheat crop?

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

**Answer:** 3. Bubler

**Q63.** 5 Which of the following is not zymogen:

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

**Answer:** 3. Procarboxy peptidase

**Q64.** Match List I with list II List I (Disease) (Control Measure) A. Blast of foxtail millet | . Wettable sulphur (0.3%) Rust of foxtail millet Mancozeb (0.2%) C. Downy mildew of foxtail millet Carboxin (1 g) D. Head smut of Kodo millet \V. Ridomil (MZ) Choose the correct answer from the options given below

1. A-il, B-l, Cv, D-III
2. A-t, B-l, CIV, D-II
3. A-tl, B-ill, C-IVv, D-|
4. A-ill, B-IV, C-1, D-1)

**Answer:** 4. A-ill, B-IV, C-1, D-1)



**Q65.** 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

**Answer:** [not found]

**Q67.** First operational Indian Remote Sensing satellite IRS-1A was launched in the year

1. 1988
2. 1989
3. 1990
4. 1997

**Answer:** [not found]

**Q68.** 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



**Answer:** [not found]

**Q71.** 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

**Answer:** [not found]

**Q73.** What is the amount of Topik 10% WP required for 4000 m<sup>2</sup> wheat field if the rate of application of Clodinafop-propargyl is 60 g ha<sup>-1</sup>?

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



**Answer:** 2. 240g

**Q75.** 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%



**Answer:** [not found]

**Q76.** 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

**Answer:** 1. B only

**Q77.** The most commonly used method of herbicide application in India is

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

**Answer:** 1. Spraying

**Q78.** Calculate the plant population of maize in 6000 m<sup>2</sup> area, if it is sown at a spacing of 60cm x 25 cm

1. 40, 000 plants
2. 50,000 plants
3. 60, 000 plants



4. 10,000 plants

**Answer:** 1. 40, 000 plants

**Q79.** 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

**Answer:** [not found]

**Q80.** 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

**Answer:** [not found]

**Q81.** Match List | with List II List | List II A, Oats 1, NB 21 Choose the correct answer from the options given below;

1. A-I, B-f, CII, D-IV
2. A-t, B-Iil, C-IV, D-4|



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

4. A-III, B-1, C-IV, D-1

**Answer:** 3. A-I, B-IV, C-II, D-I

**Q82.** NDVI of a crop can be measured by using

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

**Answer:** 1. Leaf colour chart

**Q83.** Each turn of B-oxidation spiral generates two reduced coenzymes in the form of

1. Two NADH moles
2. Two FADH<sub>2</sub> moles
3. One NADH and one FADH<sub>2</sub> moles
4. One NADH: and one GTP moles

**Answer:** [not found]

**Q84.** 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

**Answer:** 3. Invisible drought

**Q85.** 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

**Answer:** 1. Rice Gundhi bug

**Q86.** 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

**Answer:** 4. Direct human consumption

**Q87.** Which one of the following is NOT a variety of Chickpea? th. sCS= 3

1. [missing]
2. PBG- 7
3. GNG- 1581



4. IPM 02-3

**Answer:** 4. IPM 02-3

**Q88.** 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

**Answer:** [not found]

**Q89.** 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

**Answer:** 1. Both Statement I and Statement II are true

**Q91.** Match List I with List II List I List II (Watersheds) (State) I, Uttarakhand II, Punjab C. Relmajra iil, Chandigarh Choose the correct answer from the options given below

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



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

4. A-IV, B-ItI, C-II, D-

**Answer:** 4. A-IV, B-ItI, C-II, D-

**Q92.** Given below are two statements: Statement I | India ranks 1\*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

**Answer:** 1. Both Statement I and Statement II are true

**Q93.** Benzoquinones and quinones are

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

**Answer:** 4. All the above

**Q94.** 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

**Answer:** [not found]

**Q95.** 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

**Answer:** [not found]

**Q96.** 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

**Answer:** 1. Both Statement I and Statement II are true



**Q97.** 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

**Answer:** 4. Allelopathy

**Q98.** Watch List I with List II (Method of determining hydraulic conductivity) A. Auger hole method for determining hydraulic conductivity (K) II.  $5.23000 a^* \log 49 (Y_0 - Y_3) / At$  (Expression) B. Pipe cavity method for determining field hydraulic conductivity (K) C. Constant head permeameter for determining hydraulic conductivity in a laboratory (K) D. Spacing between drains (5S) IV.  $qx L / [AXtx AH]$  Choose the correct answer from the options given below

1. A—IV; B—tly C—1; B—l
2. A-IV; B-lh C-} D-1
3. A=N Bil; C— Vv; D-1
4. A—\ih B-'l; C—1; D-IV

**Answer:** [not found]

**Q99.** Which of the following is not a 1:1 type clay mineral?

1. Kaolinite
2. Halloysite
3. Nontronite



4. Chlorite

**Answer:** 4. Chlorite

**Q100.** The important event in the early history of agriculture started in 4400 BC A.  
Domestication of sheep Wheat and Barley cultivation Maize cultivation Potato cultivation Rice  
cultivation Choose the correct answer from the options given below

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

**Answer:** 1. Only

**Q101.** A solution contains  $1/10000$  moles/l  $H^+$  ions. What is the concentration of hydroxyl ions  
in this solution?

1.  $10^{-4}$  moles/litre
2. 10% moles/litre
3.  $10^{-1}$  moles/litre
4.  $10^{-8}$  moles/litre

**Answer:** [not found]

**Q102.** Match list I with list II

1. [missing]
2. [missing]



3. [missing]

4. [missing]

**Answer:** [not found]

**Q103.** The fertilizer phosphorus use efficiency under optimum condition is

1. 10-15%

2. 15-20%

3. 20-25%

4. 25-30%

**Answer:** 3. 20-25%

**Q104.** Match List I with list II List II | . Panicum miliaceum B. Sees millet II, Paspalum scrobiculatum C, Kodo millet II, Eleusine coracana D. Proso millet IV, Echinochloa frumentacea Choose the correct answer from the options given below

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

2. A-II, B-III, CIV, D=|

3. A-III, B=IV, C-II, D=1

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

**Answer:** [not found]

**Q105.** Which of the following is released during conversion of succinate to fumarate in TCA cycle?

1. CO<sub>3</sub>



2. FADH3
3. H2O
4. ATP

**Answer:** [not found]

**Q106.** \CAR = Central Research Institute for Dryland Agriculture is located at

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

**Answer:** 2. Hyderabad

**Q107.** The effective post-emergence control of *Ageratum houstonianum* can be achieved with

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

**Answer:** [not found]

**Q109.** What is the unit of SAR (sodium adsorption ratio)?

1. Moles/litre
2. me/litre



3. (me/litre)?>

4. (Moles/litre) 97

**Answer:** 1. Moles/litre

**Q110.** 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

**Answer:** 2. Aspergillus

**Q112.** \aximum 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  $\mu\text{m}$

**Answer:** 2. 0.55 $\mu\text{m}$

**Q113.** Electron transport inhibition in PS-II (Photosystem II) for herbicidal action is observed in

1. Nitriles

2. Ureas



3. Triazines
4. All the above

**Answer:** [not found]

**Q114.** 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

**Answer:** 1. Ethyl ester

**Q116.** Match List I with List II A. Parallel system | . Junction box. B. Grouping system | . Bedding system C, Special drains lil. Mixed system Choose the correct answer from the options given below

1. .A—IVi B- il; C—1; D-II
2. A-Wh B-t; C— |; D-IV
3. A- B= C— II; D-IV
4. A4—W; B-I C-lil; D-I

**Answer:** 1. .A—IVi B- il; C—1; D-II

**Q117.** Watch List 1 with List II List II (Water requirement) 400 mm Choose the correct answer from. the options given below

1. A—W B-W;C-1; D-III



2. A—th B-IV; C-1I; D-I
3. A—Nh BIN; C— IV; D=1
4. A—\lh B-IV; C—1; D-II

**Answer:** 2. .A—th B-IV; C-1I; D-I

**Q118.** 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

**Answer:** [not found]

**Q119.** An amino acid induced during moisture stress condition and also known as stress indicator is

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

**Answer:** [not found]

**Q120.** Chemiosmotic theory was first put forward by

1. Peter Mitchell



2. Paul Boyer
3. John Walker
4. Julius Sachs

**Answer:** [not found]

