

Q4. . ' ' How much photoperiod (hours) is required by lo

1. <10 hours
2. >14 hours
3. >18 hours
4. >20 hours

Answer: 2. >14 hours

Q3. ' : The correct order of crops with respect to their y

1. Rice > Cotton > Maize > Wheat > Pea
2. Rice > Maize > Cotton > Pea > Wheat
3. Rice > Pea > Maize > Cotton > Wheat
4. Rice > Cotton > Maize > Pea > Wheat

Answer: [not found]

Q4. The millenium ecosystem assessment (MEA) was lat A. 2001 with support from United Nations B. 2001 with support from Australia C. 2001 with support from Nepal D. 2001 with support from Japan E. 2001 with support from Japan and India Choose the correct answer from the options given be

1. Aonly
2. Band A only
3. A,BandD only
4. Cand E only

Answer: 1. Aonly



Q5. Find out the amount of LAUDIS 34.4% SC for 6000 nv maize plot i application

1. 70¢
2. 1402
3. 210¢
4. 280¢

Answer: 1. 70¢

Q7. Which one of the following pairs is not the basic

1. Bicolor and Kafir
2. Durra and Bicolor
3. Guinea and Durra
4. Gymnotheria and Heteorostachy

Answer: [not found]

Q8. Device used for measuring water flow in pipes

1. Venturi meter
2. Weir
3. Parshall flume
4. Cutthroat flume

Answer: 1. Venturi meter



Q9. Scientific name of green gram is:

1. Vigna radiata
2. Vigna mungo
3. Vigna sinensis
4. Glycine max

Answer: [not found]

Q10. Given below are two statements. one is labelled as Assertion A and Reason R Assertion A : In a typical watershed project. development is started basin and proceeds down the slopes to lowlands Reason R : Upper reaches in the watershed are occupied mostly by 1 degraded and most in need of repair: also treating upper parts of basi protects lower lands. In light of the above statements. choose the correct answer from the

1. Both A and R are true and R is the correct explanation of A
2. Both A and R are true but R is NOT the correct explanation «
3. Ais tre but R is false
4. Ais false but R is true

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

Q13. Given below are two statements Statement I: A surface irrigation event is composed of four phases n storage phase. depletion phase and recession phase. Statement II: In recession phase of surface irrigation, the depth of w in the field is a function of opportunity time. length of time for which surface. Tn light of the above statements, choose the correct answer from the c

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

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

Q14. Match List I with List II Match the weed species with their seed prod List I List I Weed species 'Seeds/pla A. Orobanche L 500 B. Avena ludoviciana I. 50 C. Striga II. 5.00,ç D. Veronica hederifolia ITV . 50,00 Choose the correct answer from the options giv

1. A-IV.B-LC-I.D-I
2. A-ILB-ILC-IV.D-I
3. A-I0.B-LC-IV.D-I
4. A-II,B-IV.C-I0,D-I

Answer: 1. A-IV.B-LC-I.D-I

Q15. Brays No. 1 reagent consists of mixture of

1. 0.03 NNH₄gF + 0.025 NHCl
2. 0.3 NNHgF + 0.025 N HCl
3. 0.03 NNHJF + 0.25 NHCl
4. 0.3 NNH₄F + 0.25 NHCl₁

Answer: 1. 0.03 NNH₄gF + 0.025 NHCl

Q18. ' ° * Nitrogen concentration in the atmosphere

1. 78%
2. 50%
3. 20%



4. 55%

Answer: 1. 78%

Q19. Given below are two statements Liming of acid soils with limestone and/or basic slag helps in ne aluminium (Al*) and increasing pH of soils to a desired level. Over-liming of acid soils has adverse effect on soil nutrient avail micronutrients (Zn. Cu, Fe and Mn) and crop growth, Choose the correct answer from the options given below:

1. Both A is and B are correct
2. Only A is correct
3. Only B is correct
4. Both A and B are incorrect

Answer: [not found]

Q20. : : F Given below are two statements. one is labelled as Assertion A and | Reason R
Assertion A : The first shorter cycle is from precipitation into the so evaporation and transpiration back to the atmosphere is called blue w Reason R: The second cycle or green water follows longer path fro soil moisture, ground water and rivers to the soil. Tn light of the above statements, choose the correct answer from the |

1. Both A and R are true and R is the correct explanation of A
2. Both A and R are true but R is NOT the correct explanation «
3. Ais true but R is false
4. Ais false but R is true

Answer: 2. Both A and R are true but R is NOT the correct explanation «



Q21. P Given below are two statements Statement I: Plants can tolerate drought either by mitigating the actual a high degree of tolerance to stress. Statement II: Plants tolerate the stress by showing resistance to dehydration preventing leaf collapse, permit the plants to maintain a high internal of drought conditions. In light of the above statements, choose the correct answer from the «

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

Answer: [not found]

Q22. : atl ; . A formulation of a herbicide generally not diluted and supplied

1. WP
2. UEV
3. WDG
4. DF



Answer: 1. WP

Q23. Which of the following is not the classified form of

1. Lipoproteins
2. Glycoproteins
3. Metalloproteins
4. Complete proteins

Answer: [not found]



Q24. Dominant clay mineral present in red soil is

1. Montmorillonite
2. Kaolinite
3. Illite
4. Chlorite

Answer: 2. Kaolinite

Q25. By which process relative humidity of a parcel of at A. Adding dry air from outside B. Adding moisture from outside C. Decreasing its radiation D. Increasing wind speed E. Increasing temperature Choose the correct answer from the options given b

1. Conly
2. Aonly
3. Bonly
4. DandE only



Answer: [not found]

Q26. Drought Prone Area Programme (DPAP) was s

1. 1990
2. 1980
3. 1970
4. 1960

Answer: 4. 1960



Q27. Given below are two statements Statement I: During transpiration process most of the water loss ox Statement II: Respiration required CO: to provide energy during g In light of the above statements. choose the most appropriate answ' below

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

Answer: [not found]

Q28. ' RGR is equal to

1. NAR/LAR
2. $NAR+LAR$
3. $(NAR+LAR)/NAR$
4. $NAR \times LAR$

Answer: 4. $NAR \times LAR$

Q29. , Match List I with List II Match the herbicides in List I with their rate of ap) List I List II
Herbicide Rate of application A. Metolachlor I. 150-200 g/ha B. Tembotrione il. 20 g/ha C.
Pyrazosulfuron-ethyl five 1500 g/ha D. Oxyfluorfen IV. 120 g/ha Choose the correct answer from
the options given bel

1. A-IV.B-1C-ILD-TII
2. A-I.B-IV.C-I.D-I
3. A-ILB-II,C-IV.D-I



4. A-III. B-ILC-IV.D-I

Answer: 2. A-I.B-IV.C-I.D-I

Q30. Given below are two statements Statement I: Acid sulphate soil is formed due to formation of Jarosi Statement II: Acid sulphate soil is found in Himachal Pradesh. In light of the above statements. choose the most appropriate answer: below

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

Answer: [not found]

Q31. — Distillery effluents also known as spent wash is a nutrient rich material

1. Directly to soil only
2. As irrigation water only
3. Directly to soil and as irrigation water
4. Mostly as foliar spray

Answer: 3. Directly to soil and as irrigation water

Q32. When rainfall is inadequate to meet the evapotranspiration losses. region A. Invisible drought B. Contingent drought C. Meteorological drought D. Permanent drought Choose the correct answer from the options given below:

1. A only
2. B only



3. Conly

4. Donly

Answer: 1. Aonly

Q34. The edible oil with its quick drying property is used for preparation printing ink of which of the following crops.

1. Linseed

2. Chickpea

3. Mustard

4. Safflower

Answer: [not found]

Q35. ; A Xerophytic weed I. *Pluchea lanceolata*

1. [missing]

2. *Phalaris minor*

3. *Typha dephantine*

4. *Cyperus iria*

Answer: 4. *Cyperus iria*

Q36. What is the efficiency (%) of sprinkler irrigatio

1. 60-65

2. 65-70



3. 70-85

4. 85-95

Answer: [not found]

Q37. Which stages are the most sensitive to water defi

1. Vegetative and flowering
2. Flowering and pegging
3. Flowering and pod formation
4. Vegetative and pod development

Answer: 2. Flowering and pegging

Q38. Given below are two statements. one is labelled as Assertion A an Reason R Assertion A : Temperature above 25°C reduces the test-weight of Reason R: Reduction in test-weight of wheat grain is due to hast In light of the above statements, choose the correct answer from tl

1. Both A and R are true and R is the correct explanation of 4
2. Both A and R are true but R is NOT the correct explanatio:
3. A is true but R is false
4. Ais false but R is true

Answer: 4. Ais false but R is true

Q39. Match List I with List IT Match the mode of action in List I with the he: List I 'List II 'Mode of action 'Herbici A. Cell division disruption IL Fluazi: B. ALS inhibition IIT. Glypl C. ACCase inhibition TI. Dinit D. EPSP synthase IIV. Sulfate Choose the correct answer from the options give

1. A-II.B-IV.C-IO. D-I



2. A-II.B-IV.C-I.D-I
3. A-II.B-I.C-IV.D-T
4. A-II,B-IV.C-I1.D-T

Answer: [not found]

Q40. Maximum solar energy is trapped by

1. Planting trees
2. Cultivating crops
3. Growing algae in tanks
4. Growing grasses

Answer: 4. Growing grasses

Q41. The followings are the practices in stale seed bed A. Irrigation of the seed bed B. Cultivation, leveling and seed bed preparatic C. Sowing of crop seed D. Ploughing E. Spray of glyphosate or paraquat Choose the correct answer from the options giv

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

Answer: 4. B-A-D-C-E

Q42. Match List I with List II IMD uses the aridity index on the basis o fortnight drought situation over India List I List II \Aridity class Index value fa a soa ee |A. Non-arid fr. 26-50 B. Mild ->50 iC.



Moderate . O or less ID. Severe iv. 1-25 Choose the correct answer from the options given below:

1. A-IV,B—If,C-II.D-I
2. A=MLB—IV, C-1,D-0
3. A-IL, B-IV.C-III,D-I
4. A-It B-I. C—I,D-IV

Answer: [not found]

Q43. : eo . The main objective of integrated weed manage:

1. Near complete elimination of weeds wit
2. Eradicate especially perennial weeds fre
3. Maintain weeds below the threshold lev
4. To achieve high yield and profits

Answer: 3. Maintain weeds below the threshold lev

Q46. Match List I with List IT List I List II Equipment 'Parameter A. IRGA IL. Transpiratic B. Porometer I. Water pote C. Osmometer (III. Photosynt D. Pressure bomb system ITV. Osmotic fc Choose the correct answer from the options gi

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

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



Q48. The ratio of average depth of water stored in root zone soil depth water diverted from the reservoir is known as

1. Operational efficiency
2. Project efficiency
3. Water convergence efficiency
4. Reservoir detention factor

Answer: 1. Operational efficiency

Q49. ' ; 3 Actual evapotranspiration equals maximum evapor A. Soil mixture not constraint B. Other factors not constraint C. Both A and B D. A but notB Choose the correct answer from the options given |

1. Aonly
2. Bonly
3. Conly
4. Donly



Answer: 1. Aonly

Q50. Match List I with List II List I 'List 1 Irrigation project 'State A. Koyna IL. Hir B. Idukki I. M C. Govind Sagar IT. K D. Hirakud IV 4G Choose the correct answer from the options giv

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



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

Q52. Match List I with List II The crop coefficient (Kc) for major crops at List I ist IT Crop Ke value
A. Maize I. 0.50 — 0.60 B. Sorghum I. 0.55 — 0.60 C. Soybean . 0.65 — 0.70 'D. Cotton . 0.40 — 0.50 Choose the correct answer from the options gi

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

Answer: [not found]

Q53. Where is the coldest region of the atmosphere?

1. Tropopause
2. Stratopause
3. Mesopause
4. Troposphere

Answer: [not found]

Q54. Quantity of seed required for sowing direct-seeded rice in a 10.06 spacing of 20 cm = 5 cm, if 1000 grain weight is 20 g and germin each.

1. 20.0kg
2. 24.7kg
3. 22.2kg



4. 50.0kg

Answer: 3. 22.2kg

Q55. Given below are two statements. one is labelled as Assertion A and t Reason R Assertion A : Median is the selection of central value, located in the when all observations are arranged in ascending or descending order of median is not so popular. Reason R : Median does not possess any mathematical properties. In light of the above statements, choose the correct answer from the «

1. Both A and R are true and R is the correct explanation of A
2. Both A and R are true but R is NOT the correct explanation o
3. Ais true but R is false
4. Ais false but R is true

Answer: [not found]

Q56. Match List I with List II List I 'List II Crops Scientific name A. Oats . Trifolium alex B. Barseem ie Cyamopsis te C. Lucern 'IIT. Medicavo s« D. Guar ITV . Avena sativ Choose the correct answer from the options gi

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

Answer: [not found]

Q57. How many Agro-ecological regions are there in India ; a8 2: I 3: 2m



1. [missing]
2. [missing]
3. [missing]
4. 36

Answer: 3

Q58. — Given below are two statements Statement I: Use efficiency of fertilizer NPK can be improved by # nutrient management (INM). Statement II: Integrated nutrient management (INM) utilizes the u: inorganic fertilizers and biofertilizers. In light of the above statements, choose the most appropriate answe below

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

Answer: 1. Both Statement I and Statement II are correct

Q59. If the water potential of pure water is equal to zero, A. Water with solutes B. Water contains solutes and gases C. Water without solutes D. Water with organic sugars E. Water with inorganic sugars Choose the correct answer from the options given b

1. Aonly
2. Conly
3. BandD only
4. Eonly

Answer: [not found]



Q60. For a field experiment conducted in RBD with 4 replications an standard error of mean, if error sum of squares is 120. $t_{0.05, 12}$ = 2.178

1. [missing]
2. [missing]
3. 2:80
4. 141

Answer: [not found]

Q61. Given below are two statements. one is labelled as Assertion A and the other Reason R Assertion A: The main aim of topping and desuckering operations is to remove nutrients of the plants from flower head to leaves. Reason R: These activities are done to influence the yield and quality. In light of the above statements, choose the most appropriate answer below

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

Answer: [not found]

Q62. Klinostat is employed in the study of

1. Osmosis
2. Growth movements
3. Photosynthesis
4. Respiration



Answer: 3. Photosynthesis

Q63. Given below are two statements Statement I: The sun behaves as a black body. Statement II: Sun absorbs both all energy received and in turn r maximum rate possible for a given temperature. In light of the above statements, choose the correct answer from

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

Answer: [not found]

Q64. : 7 The amount of mixed fertilizers grade (12:32:16), urea and MOP rei N. 50 kg P2O05 and 50 kg KO) ha in rice

1. 50 kg (fertilizers grade): 90 kg (Urea): 22 (MOP)
2. 78 kg (fertilizers grade): 60 kg (Urea): 32 (MOP)
3. 156 kg (fertilizers grade): 177 kg (Urea): 42 (MOP)
4. 204 kg (fertilizers grade); 240 kg (Urea): 54 (MOP)

Answer: [not found]

Q65. foter-culture with bullocks or tractor is mostly performed in widely (broadcast) crop where it is usually performed is

1. Direct seeded rice
2. Ragi
3. Sorghum



4. Wheat

Answer: [not found]

Q66. 5 7 ; ' The characteristics of saline-alkali soils are A. $\text{pH} > 8.5$ B. $\text{pH} < 8.5$ C. $\text{EC} > 4\text{dS/m}$ D. $\text{EC} < 4\text{dS/m}$ E. $\text{ESP} > 15$ Choose the correct answer from the options gi

1. A.BandC Only

2. B,C and E Only

3. A.D andE Only

4. A.C and E Only

Answer: 4. A.C and E Only

Q68. ; ae a ae Which one of the following is radiation reflecting LS & Oo

1. [missing]

2. Kaolin

3. Mobi-leaf

4. Phenyl mercuric acetate

Answer: 3. Mobi-leaf

Q69. Given below are two statements Statement I: The greenhouse effect is the retention of heat in the low absorption and re-radiation by clouds and certain gases. Statement II: The anthropogenic greenhouse gases effect is the resul trace gases in the air from human activities. Tn light of the above statements, choose the correct answer from the o

1. Both Statement I and Statement II are true

2. Both Statement I and Statement II are false



3. Statement 1 is true but Statement II is false
4. Statement I is false but Statement II is true

Answer: [not found]

Q70. Recently developed mineral soils with no diagnostic horizon. low de due to less time, occurs in all states of India is called

1. Inceptisols
2. Alfisols
3. Entisols
4. Histosols

Answer: 3. Entisols

Q72. Optical sensor used for real-time precision of Nitrogen management

1. Leaf colour chart
2. Green Seeker
3. Ceptometer
4. Infrared Gas Analyser

Answer: 2. Green Seeker

Q73. Given below are two statements Statement I: Due to lack of mobility the competition between crop < visible in the begining Statement II: A good competitor could be the species with least res In light of the above statements. choose the correct answer from the

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

Answer: [not found]

Q74. Given below are two statements, one is labelled as Assertion A and Reason R Assertion A: Nickel is essential for the function of urease enzyme. Reason R: Nickel helps in breaking down urea into NH_3 and CO_2 . In light of the above statements, choose the most appropriate answer below

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

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

Q76. ; ' Unfolding of a protein can be termed as

1. Renaturation
2. Denaturation
3. Oxidation
4. Reduction

Answer: 1. Renaturation

Q78. — ' Domestication of sheep was started during



1. 7700 BC
2. 7500 BC
3. 6000 BC
4. 4400 BC

Answer: 1. 7700 BC

Q79. — Given below are two statements Statement I: Conservation agriculture is congenial for formation of humus, leading to improved soil structure, soil porosity and pore size Statement II: Adoption of conservation agriculture results in increased sealing and decreased soil water storage capacity. In light of the above statements, choose the correct answer from the

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

Answer: [not found]

Q80. Drug used for the cure of constipation and dysentery is originally from the following crops

1. Mentha arvensis
2. Cymbopogon martini
3. Plantago ovata
4. Cymbopogon flexuosus

Answer: 1. Mentha arvensis



Q82. Given below are two statements. one is labelled as Assertion A and t Reason R Assertion A: Sodid or alkali soils can be reclaimed by application of (CaCO₃). Reason R: Removal of excess salts to a desired level in the rooting z of reclamation of saline soils. In light of the above statements. choose the most appropriate answer below

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

Answer: [not found]

Q83. , . : India Meteorological Department has been using long range or seas monsoon rainfall during June — September since

1. 1883
2. 1884
3. 1885
4. 1886



Answer: 3. 1885

Q84. Given below are two statements Statement I; In case of pre-emergence herbicides less droplet size. emergence herbicides bigger droplet size is desirable. Statement IT: More the size of droplet. less the chance of herbicide activity. In light of the above statements. choose the correct answer from th

1. Both Statement I and Statement II are true
2. Both Statement I and Statement II are false
3. Statement Tis true but Statement II is false



4. Statement I is false but Statement II is true

Answer: [not found]

Q85. Given below are two statements Statement I: Synoptic weather forecasts are popular all over the | atmospheric equations can be understood through numerical chart Statement II: In statistical weather forecast approach, a forecast of weather element with another. In light of the above statements, choose the correct answer from the

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

Answer: 3. Statement I is true but Statement II is false

Q88. ; , : Earthing-up is needed in sugarcane under which of the following

1. Furrow planting
2. Trench planting
3. Flat bed planting
4. Raised bed planting

Answer: [not found]

Q89. Under inter-row water harvesting. the furrows of about 30-40 cm alternated by ridges of 60-70 cm. A.10cm B. 15cm C. 20cm D. 25cm Choose the correct answer from the options given below:

1. A only



2. Bonly
3. Conly
4. Donly

Answer: 3. Conly

Q91. r . Bare Husk as drug is the economic part of which of th

1. Mint
2. Citronella
3. Isabgol
4. Palmarosa

Answer: 3. Isabgol

Q92. ‘ ‘ Enzyme used by the biscuit manufacturers to lower the pr

1. Amylase
2. Protease
3. Cellulase
4. Xylanase

Answer: [not found]

Q93. ‘ : ‘ What will be the weed control efficiency (%), if the number of wee plot is $190/m^2$ and that in a control plot is $36/m^2$? Bi Mo

1. 33.4



2. 43.4

3. [missing]

4. 57.3

Answer: 3

Q94. Given below are two statements Statement I: C3 weeds such as Avena fatua, Phalaris minor and Che generally more competitive than C4 weeds especially at higher temp: Statement II: In C4 weeds photosynthesis occurs via the Calvin -B stable product is phosphoglyceric acid. In light of the above statements, choose the correct answer from the

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

Answer: [not found]

Q95. ; ee Water requirement satisfaction index (WRSI) can be computed u seasonal actual evapotranspiration (AET) and seasonal crop water

1. $WRSI = AET/WR \sim 100$
2. $WRSI = (AET < WR)/100$
3. $WRSI = WR/AET \ll 100$
4. $WRSI = (WR - AET)/WR \sim 100$

Answer: 4. $WRSI = (WR - AET)/WR \sim 100$

Q97. Which of the following is the correct nucleotide



1. Adenine-Guanine
2. Adenine-Thiamine
3. Adenine-Uracil
4. Adenine-Cytosine

Answer: 3. Adenine-Uracil

Q99. The amount of basalin 45 EC for a plot of 50 m « 40 mat recomme at 0.75 kg/ha is

1. 0.111 kg
2. 0.222 kg
3. 0.333 kg
4. 0.444 kg

Answer: [not found]

Q100. Given below are two statements Statement I: Periodically, a phenomenon called as southern oscillat see-saw in surface pressure with center of action near Indonesia —N and South-east Pacific region in the other side occurs and when it oc mentioned normal situation greatly changes. Statement II: Pressure rises in the Indonesian region and as a conse wind diminish and may even change direction. In light of the above statements. choose the correct answer from the

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 Lis false but Statement II is true

Answer: [not found]



Q101. Intercropping is possible in regions receiving 600 -750 mm of rain growing season in weeks of

1. 10-15
2. 15-20
3. 20-30
4. 30-40

Answer: 2. 15-20

Q102. Match List I with List II According to De Marton: List I 'List II Indices Vv egetation conditio1
A. < 30 IL True desert B. 20-30 . Dry steepe iC. 10-20 III. Prairies ID. >5 ITV. Forest vegetation
Choose the correct answer from the options given b

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

Answer: 1. A-IV.B-I.C-ILD-I

Q103. Match List I with List II Match the crop in List I with the registered he1 List I List II 'Crop
Herbicide A. Soybean {I Anilophos B. Maize . Glyphosate C. Rice . Tembotrione D. Tea TV.
Quazalofop-ethyl Choose the correct answer from the options giver

1. A-IV.B-IDC-1.D-T
2. A-I,B-I,C-IV.D-II
3. A-ILB-I,C-IV.D-li



4. A-I.B-I.C-IV.D-I

Answer: 4. A-I.B-I.C-IV.D-I

Q104. A commercial bio-herbicide for the control of So

1. Devine
2. Bipolaris
3. Biolophos
4. Lubao

Answer: 1. Devine

Q107. a. oy ' ; Essentiality of zine in plant was discovered in |

1. DI. Arnon and P.R. Stout
2. A.L. Sommer and C.P. Lipman
3. Sprengel
4. K. Warington

Answer: 2. A.L. Sommer and C.P. Lipman

Q108. Given below are two statements Statement I: Plants absorb nitrogen from the soil solution as nitrat ammonium (NHj) ions. Statement II: The content of N in healthy plants ranges between 1 the species or variety. In light of the above statements, choose the most appropriate answ below

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

Answer: [not found]

Q109. Given below are two statements. one is labelled as Assertion A and Reason R Assertion A : Break of monsoon at critical stages for soil moisture in yield. Reason R : Only when the break of monsoon exceeds 15 days duration in light of the above statements. choose the correct answer from the

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

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

Q110. In C4 plants, Calvin cycle works at

1. Stroma of bundle sheath chloroplasts
2. Grana of bundle sheath chloroplasts
3. Grana of mesophyll chloroplasts
4. Stroma of mesophyll chloroplasts

Answer: [not found]

Q111. Given below are two statements Statement I: India is a country that extends from South to North for the longitude of 8°4' N and 37°6' N. Statement II: India extends from East to West



for about 3200 km b 68° 9' E and 92°25' E. In light of the above statements. choose the most appropriate answe below

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

Answer: 1. Both Statement I and Statement II are correct

Q112. 4 phenomenon in degradation process wherein an intermediate pro more phytotoxic than the parent compound

1. Reverse metabolism
2. Conjugation
3. Metabolism
4. Coupling

Answer: 3. Metabolism



Q114. Given below are two statements. one is labelled as Assertion A and t Reason R Assertion A: Integrated use of phosphatic fertilizers and organic mai increases P use efficiency by reducing P-fixation in soils. Reason R: Decrease in P-fixation in presence of organic matter in so formation of phosphohumic complexes that are easily assimilated by coating on the surface of sesquioxide particles. In light of the above statements. choose the most appropriate answer below

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



4. A is not correct but R is correct

Answer: [not found]

Q115. ° An example of the simplest carbohydrate

1. Glucose
2. Sucrose
3. Dihydroxyacetone
4. Glyceraldehyde

Answer: 2. Sucrose

Q116. Given below are two statements. one is labelled as Assertion A and t Reason R Assertion A: The geostationary satellite appears stationary to earth a area on the earth continuously. Reason R: The geostationary satellite is orbiting in the polar plane 01 above the earth. In light of the above statements. choose the most appropriate answer below

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

Answer: 1. Both A and R are correct and R is the correct explanation of 4

Q117. Match List I with List II List I 'List II Parameters Unit A. Relative humidity I. Degree « B. Temperature IIL. Km per C. Wind speed iILL. Octa D. Cloud cover ITV. Percen Choose the correct answer from the options g1

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



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

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

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

Answer: [not found]

Q118. The maximum permissible slope per cent for furrow irrigation furrows) is

1. 0.1 Per cent

2. 0.5 Per cent

3. 1.0 Per cent

4. 1,5 Per cent

Answer: 2. 0.5 Per cent

Q119. Match List I with List II List I List II A. Sulphur [I. Reddish colour on green leaves or stem appearing on B. Phosphorus [II. Chlorosis starting from leaf tips appearing on older C. Nitrogen [III. Youngest leaf is brownish or dead (e.g. on beet) D. Boron IV. Mottled yellow-green leaves with yellowish veins ; leaves Choose the correct answer from the options given below:

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

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

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

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

Answer: [not found]

Q120. A . . . ; Tembotrione has been registered in India for its



1. Sorghum
2. Maize
3. Pearlmillet
4. Soybean

Answer: 2. Maize

