

OUAT 2021 Question Paper and Answer Key PDF (Nov 12, 2021)

* Correct Answer is in Bold and slightly bigger
* Candidate selected option is Underlined

Section A

Q2809356 Blue baby syndrome in drinking water is due to high concentration of

Score Obtained : 1.0

- A)** NO_3^-
 - B) Cd
 - C) Fe
 - D) As
-

Q2809458 Influence exhausted by public over individuals

Score Obtained : 1.0

- A) Stricture
 - B) Punishment
 - C) Social Influence
 - D)** Social Control
-

Q2809401 Which of the following do not correspond to 7P's of marketing mix?

Score Obtained : 0.0

- A) People
 - B)** Profits
 - C) Process
 - D) Product
-

Q2809426 What is the term for each step in the transfer of energy and matter within a food web?

Score Obtained : 0.0

- A) energy path
- B)** food chain
- C) food web

- ☒ trophic level
D) food pyramid
-

Q2809501 Both dedifferentiation and redifferentiation in a plant tissue is called as

Score Obtained : 1.0

- A)** Totipotency
B) Pluripotency
C) acclimatization
D) Embryogenesis
-

Q2809354 When high C: N ratio substances are added to soil, which of the following process becomes dominant?

Score Obtained : 1.0

- A) Nitrification
B) Denitrification
C) Mineralization
D) Immobilization
-

Q2809455 Learning by doing is the principle of

Score Obtained : 1.0

- A) Seminar
B) Demonstration
C) Conference
D) Meeting
-

Q2809456 The tendency to consider one's own culture as the best

Score Obtained : 1.0

- A) Xenocentrism
B) Ethnocentrism
C) Ethos
D) Culture lag
-

Q2809465 Persuasion function is mainly

Score Obtained : 1.0

- A) Study
B) Related to feeling

- C) Cognitive
 - D) Performance
-

Q2809412 APP is equal to MPP, when

Score Obtained : 1.0

- A) APP is maximum
 - B) MPP is maximum
 - C) Both APP and MPP are maximum
 - D) TPP is maximum
-

Q2809407 Central AGMARK laboratory is located at

Score Obtained : 1.0

- A) Nagpur
 - B) Faridabad
 - C) New Delhi
 - D) Ahmadabad
-

Q2809397 Which of the following population has wider adaptability

Score Obtained : 1.0

- A) Single cross hybrids
 - B) Pureline
 - C) Synthetics
 - D) Double cross hybrids
-

Q2809502 The process of formation of embryo from somatic cells of plant is called

Score Obtained : 1.0

- A) Somatic embryogenesis
 - B) Somatic hybridization
 - C) Somaclonal variation
 - D) Somatic morphogenesis
-

Q2809419 Filter chamber is present in

Score Obtained : 0.0

- A) Diptera
- B) Lepidoptera
- C) Thysanoptera

D) Homoptera

Q2809445 Which is a sexual spore of fungi

Score Obtained : 1.0

A) Chlamydospores

B) Sporangiospores

C) Zygosporangia

D) Zoospores

Q2809396 F-statistic is a ratio of:

Score Obtained : 0.0

A) Two means

B) One mean and one variance

C) Two variances

D) Two correlations

Q2809378 Which one of the following is not a mechanism of avoiding drought stress?

Score Obtained : 0.0

A) Osmotic adjustment

B) Lipid deposits on leaves

C) Higher root-shoot ratio

D) High degree of tolerance

Q2809416 Safal Market is the innovative concept of

Score Obtained : 0.0

A) GCMMF

B) NDDB

C) ITC

D) Nestle

Q2809435 In which pest skeletonization of leaf is a common damage symptom?

Score Obtained : 0.0

A) Lace wing bug

B) Red pumpkin beetle

C) Epilachna beetle

D) Pumpkin caterpillar

Q2809400 Crop insurance policy reduces

Score Obtained : 1.0

A) Production risk

B) Financial risk

C) Price risk

D) Political risk

Q2809423 In which crop 'Blossom midge' is one of the emerging insect pests in south India?

Score Obtained : 0.0

A) Tomato

B) Chilli

C) Ground nut

D) Brinjal

Q2809440 Red onion is resistant to smudge due to the presence of

Score Obtained : 1.0

A) Methylamine

B) Silicon

C) Protocatechuic acid

D) Proline

Q2809483 Fan leaf virus of grape vine is transmitted by

Score Obtained : 0.0

A) Xiphinema index

B) Xiphinema americanum

C) Trichodoruas

D) None of these

Q2809463 Orientation symbolizes which area of communication?

Score Obtained : 0.0

A) Credibility

B) Fidelity

C) Feedback

D) Attitude

Q2809460 Which is referred as Democratic Decentralization?

Score Obtained : 1.0

- A) T&V System
 - B)** Panchayati Raj
 - C) Community Development Programme
 - D) NES
-

Q2809358 The catalyst used in Haber-Bosch process of ammonia production is

Score Obtained : 1.0

- A) Aluminum
 - B)** Iron
 - C) Cupper
 - D) Zinc
-

Q2809374 Agronomic efficiency is expressed as

Score Obtained : 0.0

- A)** kg/kg
 - B) kg/ha
 - C) kg/ha/day
 - D) kg/day
-

Q2809429 Cutting and destroying of cane tops harbouring over-wintering larvae is practiced to control

Score Obtained : 1.0

- A)** Top shoot borer
 - B) Internode borer
 - C) Stalk borer
 - D) Early shoot borer
-

Q2809414 With increase in production, the total fixed cost

Score Obtained : 1.0

- A) Decreases
 - B) Increases
 - C)** Remains constant
 - D) First increases and then decreases
-

Q2809436 Rope dragging is practiced to control which of the following pest?

Score Obtained : 1.0

- A) Pelopidas mathias
 - B) Dieladispa armigera
 - C) Cnaphalocrocis medinalis
 - D)** Nymphula depunctalis
-

Q2809355 The most efficient earthworm species used in India for vermicomposting is

Score Obtained : 0.0

- A)** Eisenia foetida
 - B) Eudrillus eugeniae
 - C) Lumbricus rubellus
 - D) Eisenia eugeniae
-

Q2809450 White blisters/white rust of crucifers is caused by

Score Obtained : 1.0

- A) Fusarium solani
 - B) Alternaria triticina
 - C) Peronospora parasitica
 - D)** Albugo candida
-

Q2809481 Pungency of radish is due to

Score Obtained : 1.0

- A)** Isothiocyanate
 - B) Solanin
 - C) Carotene
 - D) Antocyanin
-

Q2809505 Dedifferentiation of a plant tissue leads to a mass of unorganized cells called as

Score Obtained : 0.0

- A) protoplast
 - B)** Meristem
 - C) callus
 - D) Xylem
-

Q2809357 The clocks used in GPS satellites are

Score Obtained : 1.0

- A) Electronic clocks
 - B)** Atomic clocks
 - C) Quartz clocks
 - D) Mechanical clocks
-

Q2809371 In remote sensing which radiation is measured for detecting the object?

Score Obtained : 1.0

- A) Direct radiation
 - B) Diffused radiation
 - C) Incoming radiation
 - D)** Reflected radiation
-

Q2809385 The sum total of all the genes present in a random mating population at a given time is called

Score Obtained : 1.0

- A) Germplasm
 - B) Gene flow
 - C) Gene drift
 - D)** Gene pool
-

Q2809503 Which culture can produce Virus free plants?

Score Obtained : 1.0

- A) Anther culture
 - B) Embryoculture
 - C) Protoplast culture
 - D)** Meristem culture
-

Q2809434 Which pest of cucurbits successfully controlled by poison bait application?

Score Obtained : 1.0

- A) Red pumpkin bug
 - B) Pumpkin caterpillar
 - C) Vine borer
 - D)** Melon fruit fly
-

Q2809379 Water transpired per gram of dry matter is called

Q2809377 Water transpired per gram of dry matter is called

Score Obtained : 1.0

- A) Consumptive use
 - B) Transpiration ratio**
 - C) Water use efficiency
 - D) Virtual water
-

Q2809462 Which education is institutionalized, chronologically graded and well-structured system?

Score Obtained : 0.0

- A) Vocational**
 - B) Informal
 - C) Formal**
 - D) Non Formal
-

Q2809349 Which element is considered as energy currency for plant?

Score Obtained : 1.0

- A) Nitrogen
 - B) Phosphorus**
 - C) Calcium
 - D) Potassium
-

Q2809488 When dormancy occurs due to unfavourable environmental conditions is known as

Score Obtained : 1.0

- A) Innate dormancy
 - B) Imposed dormancy
 - C) Induced dormancy**
 - D) All of these
-

Q2809444 The sequence of processes in disease development from initial contact between pathogen and host to completion of syndrome is referred to as

Score Obtained : 1.0

- A) Pathogenicity
 - B) Pathogenesis**
 - C) Pathotype-specificity
 - D) Pathogen
-

Q2809504 The plasmid *Agrobacterium tumefaciens* contains

Q2809307 The plasmid *Agrobacterium tumefaciens* contains

Score Obtained : 1.0

- A) R
 - B) F
 - C) Ri
 - D) Ti**
-

Q2809381 The nodulation by *Rhizobium* in leguminous plants is enhanced due to the addition of

Score Obtained : 0.0

- A) Fe and B
 - B) Fe and Co
 - C) Co and Mo**
 - D) Fe and Mn
-

Q2809510 What are the least numbers of seeds the working sample size for purity analysis should contain ?

Score Obtained : 0.0

- A) 500**
 - B) 1500
 - C) 2500**
 - D) 4000
-

Q2809348 'K' in Langmuir equation is

Score Obtained : 1.0

- A) Proportionality constant
 - B) Dissociation constant
 - C) Bonding energy constant**
 - D) Equilibrium constant
-

Q2809451 The rust fungi completing their life cycle on one host are called

Score Obtained : 0.0

- A) Autoecious fungi**
 - B) Heteroeceous fungi
 - C) Avirulent fungi
 - D) Cleistothecian fungi
-

Q2809492 Clouds which do not give precipitation

Q2809342 Clouds which do not give precipitation

Score Obtained : 0.0

- A) Cumulus
 - B) Cirrus**
 - C) Nimbo – stratus
 - D) Alto stratus
-

Q2809350 Nitrogen present in waterlogged soil is in the form of

Score Obtained : 1.0

- A) Nitrite
 - B) Nitrate
 - C) Ammonium**
 - D) Both A and B
-

Q2809343 Compounds behaving as weak acid as well as weak base are known as

Score Obtained : 1.0

- A) Isoelectric compounds
 - B) Amphoteric compounds**
 - C) Amorphous compounds
 - D) None of these
-

Q2809352 In nitrification process, conversion of ammonium to nitrite is done by

Score Obtained : 1.0

- A) Nitrosomonas**
 - B) Nitrobacter
 - C) Bacillus
 - D) Rhizobium
-

Q2809382 Linkage results in

Score Obtained : 1.0

- A) More recombinant types
 - B) More wild types
 - C) More parental types**
 - D) More Mutant types
-

Q2809443 The fungi which transmit plant viruses belong to class

Score Obtained : 0.0

- A) Basidiomycetes
B) Plasmodiophoromycetes
C) Oomycetes
D) Zygomycetes
-

Q2809494 The difference between saturation vapour pressure and actual vapour pressure is

Score Obtained : 1.0

- A) Vapour pressure depression
B) Vapour pressure difference
C) Vapour pressure deficit
D) Vapour pressure
-

Q2809390 Which of the followings is not a criterion of patent?

Score Obtained : 1.0

- A) Novelty
B) Inventiveness
C) Workable
D) Usefulness
-

Q2809368 Nagarjuna Sagar irrigation project is built across the river

Score Obtained : 0.0

- A) Cauvery
B) Godavary
C) Krishna
D) Narmada
-

Q2809487 Lowest water potential is at

Score Obtained : 1.0

- A) Roots
B) Stem
C) Internodes
D) Leaves
-

Q2809395 In case of greengram a breeder observed that the difference between PCV and GCV value is very high for number of pods per plant. What information can he draw?

Score Obtained : 1.0

- A) The trait is not influenced by environment
B) The trait is highly influenced by environment
C) Response to selection is high
D) Response to selection is low
-

Q2809511 The final count in seed germination test of okra should be taken after

Score Obtained : 0.0

- A) 5 days
B) 7 days
C) 14 days
D) 21 days
-

Q2809383 Multiple alleles control inheritance of

Score Obtained : 1.0

- A) Phenyl ketonuria
B) Blood group
C) Colour blindness
D) Sickle cell anaemia
-

Q2809464 Attaching different meanings to things in a communication process by people is:

Score Obtained : 0.0

- A) Personal barrier
B) Audience barrier
C) Semantic barrier
D) Technical barrier
-

Q2809491 The element that is present in chlorophyll is

Score Obtained : 1.0

- A)** Magnesium
B) Nitrogen
C) Potassium.
D) Potassium
-

Q2809509 Which of the following is a positional average

Score Obtained : 1.0

- A) Mean
 - B) Mode
 - C) Median**
 - D) None of these
-

Q2809433 Which pest transmits Little leaf in brinjal?

Score Obtained : 0.0

- A) White fly**
 - B) Jassid**
 - C) Aphid
 - D) Thrips
-

Q2809394 Temperature required to be maintained by Liquid Nitrogen for germplasm conservation is

Score Obtained : 1.0

- A) -79°C
 - B) -196°C**
 - C) -80°C
 - D) -150°C
-

Q2809442 Green ear disease is associated with

Score Obtained : 1.0

- A) Sorghum
 - B) Rye
 - C) Bajra**
 - D) Oat
-

Q2809364 The process of burning of trashes, straw, weeds or any organic refuse on the soil surface in tobacco for the sterilization of nursery beds is known as

Score Obtained : 1.0

- A) Rabbing**
 - B) Stratification
 - C) Scarification
 - D) Soil solarisation
-

Q2809466 The mostly used training model by policymakers is:

A) Decision model

B) Precision model

C) Subjective model

D) Expert model

Q2809340 If the value of COLE (Coefficient of linear extensibility) is > 0.09 , the soil comes under the order

Score Obtained : 1.0

A) Mollisols

B) Vertisols

C) Spodosols

D) Alfisols

Q2809391 The seed produced from CMS line being pollinated by maintainer line is

Score Obtained : 1.0

A) Hybrid seed

B) CMS

C) Maintainer

D) Restorer

Q2809345 The efficiency factor for determination of organic carbon by Walkley and Black method is

Score Obtained : 0.0

A) 70%

B) 73%

C) 75%

D) 77%

Q2809406 If marketed surplus is greater than marketable surplus, then the situation is known as

Score Obtained : 1.0

A) Market efficiency

B) Distress sale

C) Market integration

D) Duopoly market

Q2809447 Bacteria that retain the crystal violet-iodine complex when stained by the gram technique and thus appear dark blue or violet are called

Score Obtained : 1.0

- A)** Gram-positive bacteria
B) Gram-negative bacteria
C) Gram-neutral bacteria
D) All of these
-

Q2809461 Learning is an active process on the part of the

Score Obtained : 0.0

- A)** Learner
B) Teacher
C) Extension Worker
D) Government
-

Q2809384 Okazaki fragments are used to elongate

Score Obtained : 1.0

- A) The leading strand towards the replication fork
B) The lagging strand away from the replication fork
C) The leading strand away from the replication fork
D) The lagging strand toward the replication fork
-

Q2809478 Sel-120 is the 1st rootknot nematode resistant variety of tomato developed by

Score Obtained : 0.0

- A) Selection, PAU
B) Selection, IARI
C) Hybridization, IARI
D) Mutation, PAU
-

Q2809377 Which of the following is banned in organic farming

Score Obtained : 0.0

- A) Saw dust
B) Ash
C) Sewage sludge
D) Biodynamic preparation
-

Q2809500 Plants containing foreign DNA are referred to as

Score Obtained : 1.0

A) Transgenics

B) Cis-genics

C) Polygenics

D) Pureline

Q2809474 The nutrient element which improves quality of the fruit

Score Obtained : 1.0

A) Ca

B) Mg

C) N

D) P

Q2809418 IRR is the discount factor, at which BCR is

Score Obtained : 0.0

A) Maximum

B) Minimum

C) Zero

D) One

Q2809453 The crop in which the disease panama wilt can be observed

Score Obtained : 1.0

A) Mango

B) Banana

C) Apple

D) Citrus

Q2809336 The silt material transported by the action of wind is called

Score Obtained : 0.0

A) Aeolian

B) Alluvium

C) Colluvium

D) Loess

Q2809479 Little leaf of brinjal is caused by

Score Obtained : 0.0

- A) Virus
B) Whitefly
C) Fungus
D) MLO
-

Q2809512 The minimum number of primary samples to be drawn from a seed lot with 1600 kg seed is

Score Obtained : 0.0

- A)** 6
B) 7
C) 8
D) 9
-

Q2809360 Productivity of an intercrop per unit area of ground compared with that expected from sole crop sown in the same proportion is termed as

Score Obtained : 1.0

- A)** Land equivalent ratio
B) Competition ratio
C) Relative crowding coefficient
D) Land equivalent coefficient
-

Q2809376 Amongst the oilcakes the highest N content is in

Score Obtained : 0.0

- A) Neem cake
B) Groundnut cake
C) Castor cake
D) Coconut cake
-

Q2809420 Which of the following is a exocrine gland

Score Obtained : 1.0

- A) Corpora cardiaca
B) Wax gland
C) Corpora allata
D) Prothoracic gland
-

Q2809425 Sum total of an organism's interaction with the biotic and abiotic resources of its environment is called as

Score Obtained : 0.0

- A) Habitat
 - B) Biotic potential
 - C) Ecological niche
 - D)** Logistic growth
-

Q2809475 Which of the following citrus fruit is monoembryonic?

Score Obtained : 0.0

- A) Mandarin
 - B) Grape Fruit
 - C)** Pummelo
 - D) Citron
-

Q2809507 Normal distribution is also known as

Score Obtained : 1.0

- A)** Gaussian distribution
 - B) De-Moivre distribution
 - C) Laplace distribution
 - D) Rectangular distribution
-

Q2809495 Temperature increases with increase in height in

Score Obtained : 1.0

- A) Troposphere & Mesosphere
 - B)** Stratosphere & Thermosphere
 - C) Troposphere & Thermosphere
 - D) Stratosphere & Exosphere
-

Q2809388 In a breeding programme male sterile lines are called as

Score Obtained : 1.0

- A) B line
 - B) R line
 - C) Maintainer line
 - D)** A line
-

Q2809404 Types of security where loans are advanced against immovable property are called as

Score Obtained : 1.0

- A) Hypothecation
B) Mortgage
C) Personal security
D) Collateral security
-

Q2809486 Undifferentiated mass of cells is called

Score Obtained : 1.0

- A) Callus**
B) Clone
C) Embryoid
D) Plasmodium
-

Q2809424 Which of the following is not an insect growth regulator?

Score Obtained : 0.0

- A) Buprofezin
B) Flufenoxuron
C) Diflubenzuron
D) Spinosad
-

Q2809380 The lower limit of the soil moisture available for the plant growth

Score Obtained : 1.0

- A) Permanent wilting point**
B) Field capacity
C) Matric suction
D) Hygroscopic co-efficient
-

Q2809446 The scientific name of the jassid, which is involved in transmission of little leaf disease in brinjal caused by mycoplasma is

Score Obtained : 1.0

- A) Hishimonas phycitis**
B) Ramularia areola
C) Sclerotium phycitis
D) Nilaparvata lugens
-

Q2809363 Annual field crops grown in between hedge rows of trees and shrubs is known as

Score Obtained : 1.0

- A) Ley farming
 - B) Alley cropping**
 - C) Intercropping
 - D) Mixed cropping
-

Q2809417 Which of the following is compared with Heart of body of Management?

Score Obtained : 0.0

- A) Planning
 - B) Organization
 - C) Control
 - D) Direction**
-

Q2809338 If The bulk density and particle density of a soil are 1.5 and 2.65 Mg m⁻³, respectively. What is the porosity?

Score Obtained : 0.0

- A) 43.4 %**
 - B) 44.3 %
 - C) 45.4 %
 - D) 47.3 %
-

Q2809375 The basic objective of surge irrigation to ridges and furrow methods is

Score Obtained : 1.0

- A) Increase lateral movement
 - B) Reduce irrigation requirements
 - C) Reduce evaporation loss
 - D) Advance wetting length**
-

Q2809513 Seed treatment against external seed borne pathogens is termed as

Score Obtained : 1.0

- A) Seed disinfection**
 - B) Seed protection
 - C) Seed disinfestation
 - D) None of these
-

Q2809480 The term 'Cucurbits' for cultivated species of the family Cucurbitaceae was coined by

Score Obtained : 0.0

- A) G. Kaloo
B) L.H. Bailey
C) Dr. Pushkarnath
D) C.M.Rick
-

Q2809413 Crop farming and Milk production enterprises are example of

Score Obtained : 0.0

- A) Complementary**
B) Competitive
C) Supplementary
D) Antagonistic
-

Q2809493 Non hygroscopic condensation nuclei is

Score Obtained : 0.0

- A) Sand particles
B) Dust particles
C) salt
D) Leaves
-

Q2809399 When the price range is high for a commodity, the demand for that commodity is?

Score Obtained : 1.0

- A) Less elastic
B) More elastic
C) Perfectly inelastic
D) Inelastic
-

Q2809459 Which of the following is a major PRA technique

Score Obtained : 0.0

- A) Verbal discussion
B) Visual sharing
C) Direct Interview
D) Focused discussion
-

Q2809490 Kranz anatomy is shown in which group of plants?

Score Obtained : 1.0

A) C3

B) C4

C) Succulents

D) Xerophyte

Q2809408 Indian Institute of Packaging is located at

Score Obtained : 0.0

A) Mumbai

B) Delhi

C) Chandigarh

D) Kolkata

Q2809496 Minimum thermometer can measure temperature ranging between

Score Obtained : 0.0

A) -35°C to $+55^{\circ}\text{C}$

B) -35°C to $+50^{\circ}\text{C}$

C) -40°C to $+55^{\circ}\text{C}$

D) -40°C to $+50^{\circ}\text{C}$

Q2809421 Eggs are enclosed in ootheca in

Score Obtained : 0.0

A) Orthoptera

B) Ephemeroptera

C) Lepidoptera

D) Dictyoptera

Q2809351 The organism which utilize carbon from CO_2 for cellular synthesis is

Score Obtained : 0.0

A) Autotrophs

B) Heterotrophs

C) Chemoautotrophs

D) Photo autotrophs

Q2809402 At the community level, the supply of land is

Score Obtained : 0.0

A) Perfectly elastic

A) ~~Perfectly elastic~~

B) Perfectly inelastic

C) Less elastic

D) More elastic

Q2809365 How many numbers of agro-climatic zones are there in India according to Planning Commission in 1976?

Score Obtained : 1.0

A) 129

B) 15

C) 21

D) 8

Q2809428 How much chlorpyrifos 20 EC will be required for one acre area if it is to be sprayed at 0.02% concentration (Spray volume per acre is 200 liters)

Score Obtained : 0.0

A) 10 ml

B) 100 ml

C) 20 ml

D) 200 ml

Q2809452 A virus that infects bacteria and destroys them is called as

Score Obtained : 1.0

A) Mycoviruses

B) Viroids

C) Bacteriophage

D) Satellite viruses

Q2809366 Pendimethalin herbicide belongs to which chemical group?

Score Obtained : 1.0

A) Dinitro phenols

B) Dinitro aniline

C) Diphenyl ethers

D) Aliphatic acid

Q2809387 Vertical resistance is known as:

Score Obtained : 1.0

- A)** Major gene resistance
B) Minor gene resistance
C) Polygenic resistance
D) General resistance
-

Q2809476 The genomic constitution of Cavendish group of banana is

Score Obtained : 0.0

- A)** AAA
B) AAB
C) ABB
D) ABA
-

Q2809373 As per IMD, drought year occurs when annual rainfall is

Score Obtained : 0.0

- A)** $\leq 75\%$ of normal
B) $\leq 50\%$ of normal
C) $\leq 25\%$ of normal
D) $\leq 100\%$ of normal
-

Q2809439 Most of the plant pathogenic bacteria are

Score Obtained : 1.0

- A) Filamentous
B) Rod shaped
C) Spherical
D) Spiral
-

Q2809484 Trade name of Fensulfothion

Score Obtained : 0.0

- A) Nema-cur
B) Nema-phos
C) Dasanit
D) Thimet
-

Q2809457 Difference in anything over a period of time is called

Score Obtained : 0.0

A) Difference

A) Difference

B) Change

C) Variation

D) Transformation

Q2809341 The depth range of Soil Moisture Control Section in a loamy soil is

Score Obtained : 0.0

A) 15 – 45 cm

B) 20 – 60 cm

C) 30 – 60 cm

D) 30 – 90 cm

Q2809392 Number of double bonds in the carbon chain of fatty acid is more in

Score Obtained : 1.0

A) SFA

B) MUFA

C) PUFA

D) TFA

Q2809449 The name of the bacteria generally used in genetic engineering for transfer of character from one organism to another is

Score Obtained : 1.0

A) Agrobacterium tumefaciens

B) Erwinia carotovora

C) Xanthomonas campestris

D) Pseudomonas fluorescens

Q2809432 Which of the following insects in rose cause leaf yellowing, leaf fall, dieback of twigs and stem?

Score Obtained : 0.0

A) Thrips

B) Red spider mite

C) Aphid

D) California red scale

Q2809437 Which of the pathogens have simplest genome?

Score Obtained : 0.0

- A)** Virus
B) Phytoplasma
C) Bacteria
D) Fungi
-

Q2809362 A location receives an average rainfall of 800 mm. If the potential evapo-transpiration is 1500 mm, the moisture deficit index according to Thornthwaite and Mather is:

Score Obtained : 1.0

- A) -53.33%
B) 53.33%
C) -46.6%
D) 46.6%
-

Q2809482 Needle nematode are classified under the genus

Score Obtained : 0.0

- A)** Longidorus
B) Trichodorus
C) Pratylenchus
D) Hoplolaimus
-

Q2809499 Higher temperature occurs in the Stratosphere because

Score Obtained : 0.0

- A) Temperature inversion
B) Absorption of UV radiation by Ozone
C) Absorption by CO₂
D) Low Albedo
-

Q2809473 The most suitable fruit crop for a soil of 9.5 pH is

Score Obtained : 0.0

- A) Jamun
B) Jack Fruit
C) Phalsa
D) Loquat
-

Q2809411 A principal objective of GATT is to

Score Obtained : 1.0

A) Protect domestic producers

B) Reduce barriers to trade

C) Increase employment and income

D) Increase imports

Q2809454 The type of spores of *Puccinia graministritici*, which infect the barberry plant is

Score Obtained : 0.0

A) Aeciospores

B) Teleutospores

C) Uredospores

D) Basidiospores

Q2809485 Nematode penetrate plant tissue with the aid of

Score Obtained : 1.0

A) Saliva

B) Labial papilla

C) Stylet

D) Cervical

Q2809386 When a mustard or rapeseed variety has low erucic acid, low glucosinolate and low fibre in seed, it is called :

Score Obtained : 1.0

A) Triple zero line

B) Double zero line

C) Single zero line

D) Triple cross hybrid

Q2809398 Alleles of different genes that are on the same chromosome can occasionally be separated by a phenomenon called

Score Obtained : 0.0

A) Crossing Over

B) Continuous Variation

C) Epistasis

D) Pleiotropy

Q2809339 Capillary rise of water is measured by the formula $h =$

Score Obtained : 0.0

- A) 0.05/r
B) 0.1/r
C) 0.15/r
D) 0.2/r
-

Q2809389 International organization which encourages creative activity and promotes Intellectual Property throughout the world is

Score Obtained : 1.0

- A) IBRD
B) WIPO
C) UNDP
D) UPOV
-

Q2809489 The phenomenon in which germination of seeds is affected by light, such seeds are known as

Score Obtained : 1.0

- A) Apical dominant
B) Vernalized
C) Epistily
D) Photoblastic
-

Q2809506 Which of the following design of experiment allows unequal replication?

Score Obtained : 1.0

- A) RBD
B) Latin Square Design
C) CRD
D) None of these
-

Q2809514 For certification, the maximum permissible limit of inert matter in okra seed is

Score Obtained : 1.0

- A)** 1.0%
B) 2.0%
C) 3.0%
D) 4.0%
-

Q2809441 The book 'Plant disease' is written by

Score Obtained : 0.0

- A) VS Singh
 - B) KC Mehta
 - C) AP Sinha
 - D)** RS Singh
-

Q2809448 Rapid cell death which prevents further growth by the pathogen and spread of infection is known as

Score Obtained : 1.0

- A) Hypoplasia
 - B) heterokaryosis
 - C) Necrosis
 - D)** Hypersensitivity
-

Q2809427 Which insect pest transmit tomato leaf curl virus ?

Score Obtained : 1.0

- A) Thrips tabaci
 - B) Amrasca biguttula biguttula
 - C) Aphis gossypii
 - D)** Bemisia tabaci
-

Q2809431 Which of the following yield range is avoidable loss range?

Score Obtained : 1.0

- A) Below ETL to ETL
 - B) EIL to ED
 - C)** ETL to EIL
 - D) Above ED
-

Q2809438 The first computer simulation programme to forecast plant disease was

Score Obtained : 0.0

- A) EPIVEN
 - B) EPIDEMIC
 - C) BLIGHTCAST
 - D)** EPIDEM
-

Q2809515 The 'cold test of corn' meant for determination of seed vigour is classified as

Score Obtained : 1.0

- A) Biochemical test
 - B) Performance based test
 - C) Stress test**
 - D) Chemical test
-

Q2809342 -1 / 3 bar is equal to how many kilo pascal?

Score Obtained : 1.0

- A) 33**
 - B) 35
 - C) 333
 - D) 100
-

Q2809409 Cooperative marketing organizations are the organizations of

Score Obtained : 1.0

- A) Farmers**
 - B) Traders
 - C) Processors
 - D) Retailers
-

Q2809470 Which of the following is not associated with rose?

Score Obtained : 0.0

- A) Bending
 - B) Netting**
 - C) Stenting
 - D) Capping
-

Q2809477 Solanum _____ is considered as ancestor of present day cultivated tomato

Score Obtained : 0.0

- A) esculentum**
 - B) grandifolium
 - C) cerasiforme**
 - D) pyriforme
-

Q2809472 Flowering Regulation in mango to some extent can be induced with the application of

Score Obtained : 0.0

- A)** Paclobutrazol
B) Etherel
C) GA
D) Auxin
-

Q2809359 Which of the following clay mineral is having the highest CEC?

Score Obtained : 0.0

- A)** Vermiculite
B) Montmorillonite
C) Illite
D) Chlorite
-

Q2809361 Ephemerals adapt to moisture stress by

Score Obtained : 0.0

- A)** Escaping drought
B) Drought avoidance
C) Drought tolerance
D) Both A and B
-

Q2809430 Which strain of the silk worm produces good quality fibre?

Score Obtained : 0.0

- A) Univoltine
B) Bivoltine
C) Trivoltine
D) Tetravoltine
-

Q2809422 Central Tassar Research Station is located

Score Obtained : 1.0

- A) Bangalore
B) Ranchi
C) Mumbai
D) Chennai
-

Q2809410 The rate of fluctuations in prices is higher in

Score Obtained : 1.0

- A)** Procurement price

A) Government price

B) Wholesale price

C) MSP

D) Retail Price

Q2809347 Ferriin indicator is used for determination of

Score Obtained : 1.0

A) Organic carbon

B) Nitrogen

C) Phosphorus

D) Calcium

Q2809370 If on a 20 acre farm, crops are raised on 15 acres in rabi, 20 acres in kharif and 15 acres in zaid in a year, what will be the cropping intensity?

Score Obtained : 1.0

A) 300 %

B) 400 %

C) 250 %

D) 150 %

Q2809367 Prolonged meteorological drought is known as

Score Obtained : 1.0

A) Hydrological drought

B) Permanent drought

C) Agricultural drought

D) Physiological drought

Q2809508 The probability of having 53 Mondays in a leap year is

Score Obtained : 0.0

A) 0

B) 1/7

C) 1

D) 2/7

Q2809467 Bull head is a physiological disorder of

Score Obtained : 0.0

- A)** Rose
B) Tuberose
C) Chrysanthemum
D) Carnation
-

Q2809405 In which year majority of the banks are Nationalized?

Score Obtained : 1.0

- A) 1955
B) 1969
C) 1975
D) 1980
-

Q2809372 The liquid used in minimum thermometer is

Score Obtained : 1.0

- A) Water
B) Mercury
C) Alcohol
D) Dew
-

Q2809337 The CO₂ percentage in soil air is how many times more than that of atmospheric air?

Score Obtained : 1.0

- A) 3 times
B) 5 times
C) 10 times
D) 15 times
-

Q2809468 Which of the following is practiced to get large bloom in carnation?

Score Obtained : 0.0

- A) Pinching
B) Disbudding
C) Defoliation
D) Pruning
-

Q2809369 The quantity of water required for irrigation to bring a crop to maturity is called as

Score Obtained : 1.0

- A)** Delta

- B) Base period
 - C) Duty of water
 - D) Irrigation requirement
-

Q2809403 The costs which are considered only in the long run are

Score Obtained : 0.0

- A) Variable costs
 - B) Opportunity cost
 - C) Fixed costs**
 - D) Marginal costs
-

Q2809344 Most widely used technique for estimation of soil moisture is

Score Obtained : 0.0

- A) Gravimetric**
 - B) Tensiometer
 - C) Neutron probe
 - D) Electrical conductivity method
-

Q2809498 Lower part of the crop weather calendar indicates

Score Obtained : 0.0

- A) Weather warning
 - B) Crop husbandry**
 - C) Normal rainfall
 - D) Disease occurrence
-

Q2809393 The concept of gene for gene hypothesis is associated with

Score Obtained : 1.0

- A) Flor(1941)**
 - B) Van der Plank(1968)
 - C) Painter(1951)
 - D) Nelson(1973)
-

Q2809469 Negative geotropism is a physiological disorder of

Score Obtained : 0.0

- A) Tuberose
- B) Gladiolus**

- C) Rose
D) Chrysanthemum
-

Q2809346 What happens when the soil system becomes increasingly anaerobic?

Score Obtained : 1.0

- A) O₂ concentration increases
B) C source becomes more abundant
C) Redox potential decreases
D) Respiration produce more energy
-

Q2809353 Which of the following is used to visualize live cells?

Score Obtained : 1.0

- A) SEM
B) TEM
C) Phase contrast microscope
D) Compound Microscope
-

Q2809497 Which law explain the particle concept of solar radiation

Score Obtained : 1.0

- A) Kirchhoff's law
B) Newton's law
C) Plank's law
D) Stefan-Boltzman Law
-

Q2809415 What exists both in short run and long run?

Score Obtained : 1.0

- A) Fixed cost
B) Variable costs
C) Both fixed and variable costs
D) Neither fixed cost nor variable costs
-

Q2809471 Which of the following term is not related to chrysanthemum

Score Obtained : 0.0

- A) Pompon
B) Oriental

C) Spier

D) Decorative

Q2809545 Aswagandha belongs to family

Score Obtained : 0.0

A) Lamiaceae

B) Verbenaceae

C) Asteraceae

D) Solanaceae

Q2809535 Groundnut is a

Score Obtained : 0.0

A) Short day plant

B) Long day plant

C) Day neutral

D) Photosensitive plant

Q2809522 Nipping of auxiliary buds is practiced in

Score Obtained : 1.0

A) Niger

B) Sunflower

C) Castor

D) Sesame

Q2809526 The inflorescence of pearl millet is known as

Score Obtained : 1.0

A) Panicle

B) Spike

C) Finger

D) Ear head

Q2809516 In Brassica sps. which is commonly called as Banaras Rai?

Score Obtained : 0.0

A) B. juncea

B) B. nigra

C) B. campestris

D) B. oleraceae

Q2809532 Which of the following is a fibre and oilseed crop?

Score Obtained : 1.0

A) Linseed

B) Jute

C) Safflower

D) Sesame

Q2809549 Fruits of which of the following group is mostly seedless?

Score Obtained : 0.0

A) King mandarin

B) Khasi mandarin

C) Nagpur Santra

D) Satsuma mandarin

Q2809543 The popular product prepared from yam is

Score Obtained : 0.0

A) Fufu

B) Kanji

C) Yerussari

D) Kofta

Q2809555 "Jawala", "Himroz" and "Ranisahiba" are varieties of

Score Obtained : 0.0

A) Chrysanthemum

B) Carnation

C) Gladiolus

D) Rose

Q2809541 Edible part of knol-khol is

Score Obtained : 1.0

A) Curd

B) Knob

C) Head

D) Spears

Q2809529 White eye of rice is due to

Score Obtained : 1.0

- A)** Fe deficiency
B) B deficiency
C) Zn deficiency
D) H₂S toxicity
-

Q2809553 The oil of which aromatic plant is an insect repellent.

Score Obtained : 1.0

- A)** Lemon grass
B) Geranium
C) Jasmine
D) Kewda
-

Q2809546 Productivity of coconut is highest in

Score Obtained : 0.0

- A)** Andhra Pradesh
B) Karnataka
C) Kerala
D) West Bengal
-

Q2809544 Which one is the most popular grade of cashew

Score Obtained : 0.0

- A) W 240
B) W 180
C) W 210
D) W 320
-

Q2809520 Optimum period of sowing for capsularis jute is

Score Obtained : 0.0

- A) 1st fortnight of March
B) 2nd fortnight of March
C) 1st fortnight of April
D) 2nd fortnight of April

Q2809531 Which green manure crops produces maximum dry matter?

Score Obtained : 0.0

- A)** Crotalaria juncea
 - B) Sesbania rostrata
 - C) Sesbania aculeate
 - D) Cyamopsis tetragonaloba
-

Q2809552 Sweetest variety of mango

Score Obtained : 1.0

- A)** Chausa
 - B) Alphonso
 - C) Baiganapalli
 - D) Langra
-

Q2809551 Which fruit is commonly known as “Fruit of New World”

Score Obtained : 0.0

- A) Strawberry
 - B) Dragon Fruit
 - C) Kiwi
 - D)** Avocado
-

Q2809517 Groundnut is a..

Score Obtained : 0.0

- A) Diploid
 - B) Hexaploid
 - C) Autotetraploid
 - D)** Allotetraploid
-

Q2809518 Flowering in wheat starts

Score Obtained : 0.0

- A) From lower part of spike
 - B)** From middle part of spike
 - C) from top of the spike
 - D) at a time in a spike
-

Q2809519 Which one of the following is known as king of forage crop

Score Obtained : 1.0

- A)** Berseem
B) Lucerne
C) Oat
D) Napier grass
-

Q2809534 Most suitable crop for dry land farming in heavy black soil in

Score Obtained : 1.0

- A) Chick pea
B) Safflower
C) Rice
D) Mustard
-

Q2809536 The yellow flesh variety of potato is rich in

Score Obtained : 0.0

- A) Anthocyanin
B) Lycopene
C) Carotene
D) Xanthophyll
-

Q2809554 Dieffenbachia is a popular

Score Obtained : 0.0

- A) orchid
B) flowering shrub
C) foliage pot plant
D) foliage annual
-

Q2809530 Which among the following produces HCN poisoning?

Score Obtained : 1.0

- A)** Sorghum
B) Guinea grass
C) Lotus
D) Berseem
-

Q2809538 The pungency of chilli is due to presence of

Score Obtained : 1.0

- A)** Capsaicin
B) Oleoresin
C) Anthocyanin
D) Chacolin
-

Q2809533 Crop having highest tolerance to B

Score Obtained : 0.0

- A)** Sugarbeet
B) Sunflower
C) Alfalfa
D) Apple
-

Q2809528 Which cotton species is known as Sea Island cotton?

Score Obtained : 0.0

- A)** G. barbadense
B) G. hirsutum
C) G. arboreum
D) G. herbaceum
-

Q2809542 Sree Nadini & Sree Vardhini are varieties of

Score Obtained : 0.0

- A)** Sweet potato
B) Yam
C) Cassava
D) Taro
-

Q2809521 Sugar recovery percentage of sugarcane

Score Obtained : 1.0

- A) 6-8 %
B) 8-10 %
C) 10-12 %
D) 12-14 %
-

Q2809525 Defuzzing of cotton seed is done by

Score Obtained : 1.0

A) Sulphuric acid

B) Acetic acid

C) Citric acid

D) Nitric acid

Q2809540 Which of the followings is known as 'King of Gourd'?

Score Obtained : 0.0

A) Snake gourd

B) Bitter gourd

C) Pointed gourd

D) Bottle gourd

Q2809523 Which of the following tobacco is cured with smoke/fire ?

Score Obtained : 0.0

A) Bidi tobacco

B) Hookah tobacco

C) Chewing tobacco

D) Cigar tobacco

Q2809539 Bharat is the 1st hybrid of Capsicum released by

Score Obtained : 0.0

A) Mahyco

B) Sungrow

C) IAHS

D) Syngenta

Q2809547 Bitter pit in Apple is due to deficiency of

Score Obtained : 0.0

A) Ca

B) Mn

C) B

D) Fe

Q2809550 Which of the following is a non climacteric fruit?

A) Litchi

B) Mango

C) Apple

D) Banana

Q2809548 Which papaya variety is popularly grown in commercial scale?

Score Obtained : 0.0

A) Pusa Delicious

B) Red Lady

C) Co-2

D) Arka Surya

Q2809524 Which of the following crops used for determination of permanent wilting point under field condition?

Score Obtained : 1.0

A) Safflower

B) Sunflower

C) Groundnut

D) Soybean

Q2809537 Which group of cauliflowers is Pusa Synthetic, Pusashubra, Dania, Pusa snow Ball?

Score Obtained : 0.0

A) Extra early

B) Early

C) Midseason

D) Late