

# **OUAT PG**

**Previous Year Paper  
12 Nov, 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)**  $\text{NO}_3^-$
  - 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

- C)** 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

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Q2809445 Which is a sexual spore of fungi

Score Obtained : 1.0

- A) Chlamydo spores
  - B) Sporangiospores
  - C)** Zygo spores
  - 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

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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) Trichodorus

D) None of these

---

Q2809463 Orientation symbolizes which area of communication?

Score Obtained : 0.0

A) Credibility

B) Fidelity

C) Feedback

**D)** Attitude

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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 trititina
  - 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)  $-79^{\circ}\text{C}$
  - B)  $-196^{\circ}\text{C}$**
  - C)  $-80^{\circ}\text{C}$
  - D)  $-150^{\circ}\text{C}$
- 

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

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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

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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%

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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

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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

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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<sup>-3</sup>, 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

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Q2809408 Indian Institute of Packaging is located at

Score Obtained : 0.0

**A) Mumbai**

B) Delhi

C) Chandigarh

D) Kolkata

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Q2809496 Minimum thermometer can measure temperature ranging between

Score Obtained : 0.0

A)  $-35^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

**B)  $-35^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$**

C)  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$

**D)  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$**

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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  $\text{CO}_2$  for cellular synthesis is

Score Obtained : 0.0

**A) Autotrophs**

B) Heterotrophs

C) Chemoautotrophs

D) Photo autotrophs

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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

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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**

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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

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Q2809387 Vertical resistance is known as:

Score Obtained : 1.0

**A)** Major gene resistance

B) Minor gene resistance

C) Polygenic resistance

D) General resistance

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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 CO<sub>2</sub>  
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 Ferrioin 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 CO<sub>2</sub> 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) O<sub>2</sub> 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) H<sub>2</sub>S 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