

National Testing Agency

Question Paper Name: NATURAL RESOURCE MANAGEMENT II 1st July 2019 Shift2 Set 2
Subject Name: NATURAL RESOURCE MANAGEMENT II
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Duration: 180
Total Marks: 800
Display Marks: Yes
Share Answer Key With Delivery Engine: Yes
Actual Answer Key: Yes

NATURAL RESOURCE MANAGEMENT II

Group Number : 1
Group Id : 55317235
Group Maximum Duration : 0
Group Minimum Duration : 180
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 800

Part A : General Knowledge

Section Id : 55317255
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 20
Number of Questions to be attempted: 20
Section Marks: 80
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 55317277
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 5531726115 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

There is a parliamentary system of Government in India because the

- (1) Lok Sabha is elected directly by the people.
- (2) Parliament can amend the Constitution.
- (3) Rajya Sabha cannot be dissolved.
- (4) Council of the ministers are responsible to the Lok Sabha.

Options :

- 55317224401. 1
- 55317224402. 2
- 55317224403. 3
- 55317224404. 4

Question Number : 2 Question Id : 5531726116 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gilt – edged market refers to

- (1) Bullion market
- (2) Market of Govt. Securities
- (3) Market of guns
- (4) Market of pure metals

Options :

- 55317224405. 1
- 55317224406. 2
- 55317224407. 3
- 55317224408. 4

Question Number : 3 Question Id : 5531726117 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as the 'Coffee Port' of the world?

- (1) Sao Paulo
- (2) Santos
- (3) Rio de Janeiro
- (4) Buenos Aires

Options :

- 55317224409. 1
- 55317224410. 2
- 55317224411. 3
- 55317224412. 4

Question Number : 4 Question Id : 5531726118 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

For increasing milk production, which state launched Rs.215 crore project 'Milk Mission' in July, 2018?

- (1) Meghalaya
- (2) Assam
- (3) Tripura
- (4) Nagaland

Options :

- 55317224413. 1
- 55317224414. 2
- 55317224415. 3
- 55317224416. 4

Question Number : 5 Question Id : 5531726119 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is the main characteristic of mixed farming?

- (1) Cultivation of both cash crops and food crops.
- (2) Cultivation of two or more crops in the same field.
- (3) Cultivation of crops and rearing of animals together.
- (4) Cultivation of fruits and vegetables.

Options :

55317224417. 1

55317224418. 2

55317224419. 3

55317224420. 4

Question Number : 6 Question Id : 5531726120 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When you travel in certain parts of India, you will notice red soils. What is the main reason for this colour?

- (1) Abundance of magnesium
- (2) Accumulated humus
- (3) Presence of ferric oxides
- (4) Abundance of phosphates

Options :

55317224421. 1

55317224422. 2

55317224423. 3

55317224424. 4

Question Number : 7 Question Id : 5531726121 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following sets of elements were primarily responsible for the origin of life on the earth?

- (1) Carbon, Hydrogen, Nitrogen
- (2) Hydrogen, Oxygen, Sodium
- (3) Oxygen, Calcium, Phosphorous
- (4) Carbon, Hydrogen, Potassium

Options :

55317224425. 1

55317224426. 2

55317224427. 3

55317224428. 4

Question Number : 8 Question Id : 5531726122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following statement is NOT true?

- (1) Khaira is a disease found in paddy.
- (2) False smut is a disease found in barley.
- (3) Rust disease is found in wheat.
- (4) Early blight is a disease found in potato.

Options :

55317224429. 1
55317224430. 2
55317224431. 3
55317224432. 4

**Question Number : 9 Question Id : 5531726123 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Golden rice variety has been developed to combat the deficiency of

- (1) Iron
- (2) Vitamin C
- (3) Calcium
- (4) Vitamin A

Options :

55317224433. 1
55317224434. 2
55317224435. 3
55317224436. 4

**Question Number : 10 Question Id : 5531726124 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

A person of mixed European and Indian blood in Latin America is called a

- (1) Mulato
- (2) Mestizo
- (3) Meiji
- (4) Mau Mau

Options :

55317224437. 1
55317224438. 2
55317224439. 3
55317224440. 4

**Question Number : 11 Question Id : 5531726125 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

In the context of International Trade 'Early Harvest Package' refers to

- (1) A precursor to a free trade agreement between two trading partners.
- (2) A clause related to the agreement on agriculture under the WTO.
- (3) A subsidy mechanism given to the developing countries for trade in agriculture.
- (4) A transportation agreement signed between countries for the movement of goods.

Options :

- 55317224441. 1
- 55317224442. 2
- 55317224443. 3
- 55317224444. 4

Question Number : 12 Question Id : 5531726126 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The nitrogen present in atmosphere is

- (1) of no use to plants
- (2) injurious to plants
- (3) directly utilized by the plants
- (4) utilized through micro organism

Options :

- 55317224445. 1
- 55317224446. 2
- 55317224447. 3
- 55317224448. 4

Question Number : 13 Question Id : 5531726127 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Agricultural Scientist M.S. Swaminathan received an honorary medallion from India for his contribution towards the development of agricultural practices from which country?

- (1) Canada
- (2) Australia
- (3) New Zealand
- (4) Mexico

Options :

- 55317224449. 1
- 55317224450. 2
- 55317224451. 3
- 55317224452. 4

Question Number : 14 Question Id : 5531726128 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ICAR, New Delhi has identified three BT cotton varieties for cultivation in Punjab, Haryana and Rajasthan; which were developed by Punjab Agricultural University (PAU), Ludhiana recently. Which one of the following is NOT among those three?

- (1) PAU BT - 1
- (2) BT -1861
- (3) F - 1861
- (4) RS – 2013

Options :

- 55317224453. 1
- 55317224454. 2
- 55317224455. 3
- 55317224456. 4

Question Number : 15 Question Id : 5531726129 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most abundant Carbohydrate in the world is

- (1) Pectin
- (2) Rubisco
- (3) Hemicellulose
- (4) Cellulose

Options :

- 55317224457. 1
- 55317224458. 2
- 55317224459. 3
- 55317224460. 4

Question Number : 16 Question Id : 5531726130 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is known as queen of spices?

- (1) Clove
- (2) Pepper
- (3) Nutmeg
- (4) Cardamom

Options :

- 55317224461. 1
- 55317224462. 2
- 55317224463. 3
- 55317224464. 4

Question Number : 17 Question Id : 5531726131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In which city has NABARD launched South East Asia's first centre for 'Climate Change'?

- (1) Jaipur
- (2) Patna
- (3) Lucknow
- (4) Chennai

Options :

- 55317224465. 1
- 55317224466. 2
- 55317224467. 3
- 55317224468. 4

Question Number : 18 Question Id : 5531726132 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

World Bank assisted project SMART was launched in

- (1) Rajasthan
- (2) Gujarat
- (3) Maharashtra
- (4) Punjab

Options :

- 55317224469. 1
- 55317224470. 2
- 55317224471. 3
- 55317224472. 4

Question Number : 19 Question Id : 5531726133 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

National Research Centre for grapes is located at

- (1) Nashik
- (2) Pune
- (3) Muzaffarpur
- (4) Lucknow

Options :

- 55317224473. 1
- 55317224474. 2
- 55317224475. 3
- 55317224476. 4

Question Number : 20 Question Id : 5531726134 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The National Milk Day which marks the birth anniversary of father of White Revolution Dr. Verghese Kurien is celebrated on

- (1) November 23
- (2) November 24
- (3) November 25
- (4) November 26

Options :

55317224477. 1

55317224478. 2

55317224479. 3

55317224480. 4

Part B : NATURAL RESOURCE MANAGEMENT II

Section Id :	55317256
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	180
Number of Questions to be attempted:	180
Section Marks:	720
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	55317278
Question Shuffling Allowed :	Yes

**Question Number : 21 Question Id : 5531726135 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which of the following is non-ferromagnesium mineral?

1. Biotite
2. Muscovite
3. Amphiboles
4. Olivine

Options :

55317224481. 1

55317224482. 2

55317224483. 3

55317224484. 4

**Question Number : 22 Question Id : 5531726136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Granite, tonalite and rhyolite are the examples of

1. Neutral igneous rocks
2. Acid igneous rocks
3. Basic igneous rocks
4. Under saturated rocks

Options :

55317224485. 1

55317224486. 2

55317224487. 3

55317224488. 4

Question Number : 23 Question Id : 5531726137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which colour in soil is imparted by ferric oxide?

1. Blue
2. Green
3. Grey
4. Red

Options :

55317224489. 1

55317224490. 2

55317224491. 3

55317224492. 4

Question Number : 24 Question Id : 5531726138 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The correct order of the weathering resistance is

1. Quartz > muscovite > biotite > hornblende
2. Hornblende > muscovite > quartz > biotite
3. Muscovite > quartz > hornblende > biotite
4. Biotite > muscovite > hornblende > quartz

Options :

55317224493. 1

55317224494. 2

55317224495. 3

55317224496. 4

Question Number : 25 Question Id : 5531726139 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Select the correct statement from the following options

1. Sedimentary rocks form only 5% of the total earth crust.
2. Sedimentary rocks form only 74% of the total earth crust.
3. Sedimentary rocks form only 95% of the total earth crust.
4. Sedimentary rocks form only 50% of the total earth crust.

Options :

55317224497. 1

55317224498. 2

55317224499. 3

55317224500. 4

Question Number : 26 Question Id : 5531726140 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one is the active soil forming factor?

1. Parent material
2. Vegetation and organisms
3. Time
4. Relief

Options :

- 55317224501. 1
- 55317224502. 2
- 55317224503. 3
- 55317224504. 4

Question Number : 27 Question Id : 5531726141 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following processes is responsible for the formation of gypsum from calcium sulfate?

1. Hydration
2. Oxidation
3. Carbonation
4. Hydrolysis

Options :

- 55317224505. 1
- 55317224506. 2
- 55317224507. 3
- 55317224508. 4

Question Number : 28 Question Id : 5531726142 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The parent material transported and deposited by water in ocean is called as

1. Marine
2. Lacustrine
3. Alluvium
4. Aeolian

Options :

- 55317224509. 1
- 55317224510. 2
- 55317224511. 3
- 55317224512. 4

Question Number : 29 Question Id : 5531726143 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Skeleton for the production of secondary clay minerals are

1. Calcium and Magnesium
2. Silicon and aluminum
3. Iron and manganese
4. Sodium and potassium

Options :

- 55317224513. 1
- 55317224514. 2
- 55317224515. 3
- 55317224516. 4

Question Number : 30 Question Id : 5531726144 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Percolation is dependent on which of the factors below?

1. Intensity of rainfall & temperature
2. Texture of soil
3. Slope of the land and vegetation
4. All of the above

Options :

- 55317224517. 1
- 55317224518. 2
- 55317224519. 3
- 55317224520. 4

Question Number : 31 Question Id : 5531726145 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In soils of tropical zone, SiO_2 : R_2O_3 ratio is

1. > 3.5
2. 3 – 3.5
3. < 2
4. 2 – 3

Options :

- 55317224521. 1
- 55317224522. 2
- 55317224523. 3
- 55317224524. 4

Question Number : 32 Question Id : 5531726146 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of deposition of soil minerals in the lower layer or horizon of gains is termed as

1. Illuviation
2. Eluviation
3. Podzolization
4. Laterization

Options :

- 55317224525. 1
- 55317224526. 2
- 55317224527. 3
- 55317224528. 4

Question Number : 33 Question Id : 5531726147 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The pH of saline soils seldom rises above 8.5 because the exchange complex is saturated with

1. K ions
2. Ca and Mg ions
3. Na ions
4. Al ions

Options :

- 55317224529. 1
- 55317224530. 2
- 55317224531. 3
- 55317224532. 4

Question Number : 34 Question Id : 5531726148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The process of removal of Na^+ from the exchange site is

1. De alkalization
2. Alkalization
3. Solonization
4. Salinization

Options :

- 55317224533. 1
- 55317224534. 2
- 55317224535. 3
- 55317224536. 4

Question Number : 35 Question Id : 5531726149 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The survey undertaken to prepare resource inventory of large areas, where scale of base map is 1 : 250,000 or 1 : 100,000 is termed as

1. Detailed high intensity
2. Detailed survey
3. Detailed low intensity
4. Reconnaissance

Options :

- 55317224537. 1
- 55317224538. 2
- 55317224539. 3
- 55317224540. 4

Question Number : 36 Question Id : 5531726150 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What is the frequency of field observations in semi-detailed survey?

1. 1 in 625 ha
2. 1 in 100 ha
3. 1 in 4 ha
4. 1 in 25 ha

Options :

- 55317224541. 1
- 55317224542. 2
- 55317224543. 3
- 55317224544. 4

Question Number : 37 Question Id : 5531726151 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Calcimorphic soils come in the sub-order of

1. Zonal and azonal
2. Zonal
3. Intrazonal
4. Azonal

Options :

- 55317224545. 1
- 55317224546. 2
- 55317224547. 3
- 55317224548. 4

Question Number : 38 Question Id : 5531726152 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one is NOT a diagnostic sub-surface horizon?

1. Argillic
2. Ochric
3. Spodic
4. Natric

Options :

- 55317224549. 1
- 55317224550. 2
- 55317224551. 3
- 55317224552. 4

Question Number : 39 Question Id : 5531726153 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A surface horizon like mollic soil is low (<50%) in base saturation and is called

1. Melanic
2. Plaggen
3. Umbric
4. Ochric

Options :

- 55317224553. 1
- 55317224554. 2
- 55317224555. 3
- 55317224556. 4

Question Number : 40 Question Id : 5531726154 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Erosion taking place primarily between irregularly spaced rills is termed as

1. Sheet erosion
2. Inter rill erosion
3. Rill erosion
4. Gully erosion

Options :

- 55317224557. 1
- 55317224558. 2
- 55317224559. 3
- 55317224560. 4

Question Number : 41 Question Id : 5531726155 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Soil structure common in 'B' horizon may occur in 'A' horizon and the edges of the blocks are sharp and rectangular and faces are distinct. Such a soil structure is described as

1. Angular blocky
2. Sub-angular blocky
3. Plate like
4. Columnar

Options :

- 55317224561. 1
- 55317224562. 2
- 55317224563. 3
- 55317224564. 4

Question Number : 42 Question Id : 5531726156 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Macropores created by roots, earth worms and other organisms are called as

1. Burrows
2. Tunnels
3. Mesopores
4. Biopores

Options :

- 55317224565. 1
- 55317224566. 2
- 55317224567. 3
- 55317224568. 4

Question Number : 43 Question Id : 5531726157 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In water molecule, the hydrogen atoms are attached to the oxygen atom at an angle of

1. 120°
2. 105°
3. 110°
4. 115°

Options :

- 55317224569. 1
- 55317224570. 2
- 55317224571. 3
- 55317224572. 4

Question Number : 44 Question Id : 5531726158 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Water movement in soil is recognized in which state?

1. Saturated flow
2. Saturated, unsaturated flow
3. Saturated flow, unsaturated flow and vapour movement
4. Unsaturated flow and vapour movement

Options :

- 55317224573. 1
- 55317224574. 2
- 55317224575. 3
- 55317224576. 4

Question Number : 45 Question Id : 5531726159 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Plant available water in soil is between

1. – 30 kpa and – 1500 kpa
2. – 1500 kpa and – 2000 kpa
3. – 30 kpa and 100 kpa
4. – 10 kpa and 30 kpa

Options :

- 55317224577. 1
- 55317224578. 2
- 55317224579. 3
- 55317224580. 4

Question Number : 46 Question Id : 5531726160 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

At permanent wilting point, the value of soil water potential is

1. – 1500 kpa
2. 1500 kpa
3. – 20 bars
4. – 30 kpa

Options :

- 55317224581. 1
- 55317224582. 2
- 55317224583. 3
- 55317224584. 4

Question Number : 47 Question Id : 5531726161 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

To separate the thermic soil from hyper thermic soil, the mean soil temperature must be

1. 3.5°C
2. 22°C
3. 28°C
4. 8°C

Options :

- 55317224585. 1
- 55317224586. 2
- 55317224587. 3
- 55317224588. 4

Question Number : 48 Question Id : 5531726162 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mean annual soil temperature level used to separate frigid soil from mesic soil is

1. 8°C
2. 22°C
3. 28°C
4. 15°C

Options :

- 55317224589. 1
- 55317224590. 2
- 55317224591. 3
- 55317224592. 4

Question Number : 49 Question Id : 5531726163 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ionic radius Al^{3+} in silicate clays is

1. 0.042 nm
2. 0.051 nm
3. 0.066 nm
4. 0.070 nm

Options :

- 55317224593. 1
- 55317224594. 2
- 55317224595. 3
- 55317224596. 4

Question Number : 50 Question Id : 5531726164 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Kaolinite, the most dominant clay mineral is of the type

1. 1 : 1 type
2. 2 : 1 type
3. 2 : 2 type
4. 1 : 2 type

Options :

- 55317224597. 1
- 55317224598. 2
- 55317224599. 3
- 55317224600. 4

Question Number : 51 Question Id : 5531726165 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Available water holding capacity is maximum in

1. Sandy clay loam
2. Silty clay loam
3. Loam
4. Clay loam

Options :

- 55317224601. 1
- 55317224602. 2
- 55317224603. 3
- 55317224604. 4

Question Number : 52 Question Id : 5531726166 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Poor crystalline clay mineral is made of

1. Chlorite
2. Kaolinite
3. Vermiculite
4. Allophone

Options :

- 55317224605. 1
- 55317224606. 2
- 55317224607. 3
- 55317224608. 4

Question Number : 53 Question Id : 5531726167 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

pH dependent charge of soil is also called

1. Permanent charge
2. Variable charge
3. Zero charge
4. No charge

Options :

- 55317224609. 1
- 55317224610. 2
- 55317224611. 3
- 55317224612. 4

Question Number : 54 Question Id : 5531726168 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Soil acidity associated with exchangeable H^+ and Al^{3+} is known as

1. Total
2. Exchangeable
3. Residual
4. Active

Options :

- 55317224613. 1
- 55317224614. 2
- 55317224615. 3
- 55317224616. 4

Question Number : 55 Question Id : 5531726169 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The resistance of soil to change in pH is termed as

1. Buffering capacity
2. Soil consistence
3. Soil permeability
4. Soil acidity

Options :

- 55317224617. 1
- 55317224618. 2
- 55317224619. 3
- 55317224620. 4

Question Number : 56 Question Id : 5531726170 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Saline alkali soils have ESP of

1. > 15
2. < 13
3. < 15
4. > 13

Options :

55317224621. 1
55317224622. 2
55317224623. 3
55317224624. 4

Question Number : 57 Question Id : 5531726171 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sodic soils have EC of

1. > 4 dS / m
2. < 4 dS / m
3. > 15 dS / m
4. > 13 dS / m

Options :

55317224625. 1
55317224626. 2
55317224627. 3
55317224628. 4

Question Number : 58 Question Id : 5531726172 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sodic soils are also called

1. White alkali
2. Black alkali
3. Red alkali
4. Saline

Options :

55317224629. 1
55317224630. 2
55317224631. 3
55317224632. 4

Question Number : 59 Question Id : 5531726173 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a salt tolerant crop?

1. Potato
2. Onion
3. Bean
4. Cotton

Options :

55317224633. 1
55317224634. 2
55317224635. 3
55317224636. 4

**Question Number : 60 Question Id : 5531726174 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

When gypsum is added to a sodic soil, it results in formation of

1. Na_2SO_4
2. CaSO_4
3. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
4. CaCO_3

Options :

55317224637. 1
55317224638. 2
55317224639. 3
55317224640. 4

**Question Number : 61 Question Id : 5531726175 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Which one of the following is a salt sensitive crop?

1. Tomato
2. Barley
3. Cotton
4. Black cherry

Options :

55317224641. 1
55317224642. 2
55317224643. 3
55317224644. 4

**Question Number : 62 Question Id : 5531726176 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

A meso organism typically has a width of

1. > 2 mm
2. 0.2 – 2 mm
3. < 0.2 mm
4. 0.4 – 0.5 mm

Options :

- 55317224645. 1
- 55317224646. 2
- 55317224647. 3
- 55317224648. 4

Question Number : 63 Question Id : 5531726177 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The nature of action of microflora is mostly

1. Physical & Chemical
2. Chemical only
3. Bio-chemical only
4. Physical only

Options :

- 55317224649. 1
- 55317224650. 2
- 55317224651. 3
- 55317224652. 4

Question Number : 64 Question Id : 5531726178 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bacteria, fungi and actinomyceles are known as

1. Primary consumers
2. Carnivores
3. Secondary consumers
4. Tertiary consumers

Options :

- 55317224653. 1
- 55317224654. 2
- 55317224655. 3
- 55317224656. 4

Question Number : 65 Question Id : 5531726179 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following is a chemo-autotroph organism?

1. Thiobacillus
2. Aspergillus
3. Azotobacter
4. Fungi

Options :

- 55317224657. 1
- 55317224658. 2
- 55317224659. 3
- 55317224660. 4

Question Number : 66 Question Id : 5531726180 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rhizosphere is a zone of soil influenced by the

1. Living roots
2. Living shoots
3. Living organism
4. Root exudates

Options :

- 55317224661. 1
- 55317224662. 2
- 55317224663. 3
- 55317224664. 4

Question Number : 67 Question Id : 5531726181 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT a mold?

1. Penicillium
2. Mucor
3. Aspergillus
4. Thread worm

Options :

- 55317224665. 1
- 55317224666. 2
- 55317224667. 3
- 55317224668. 4

Question Number : 68 Question Id : 5531726182 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The shape of coccus is

1. Red shape
2. Round
3. Spiral
4. None of the above

Options :

- 55317224669. 1
- 55317224670. 2
- 55317224671. 3
- 55317224672. 4

Question Number : 69 Question Id : 5531726183 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The component of humus, that is soluble in acid and alkali is called

1. Fulvic acid
2. Humic acid
3. Humin
4. Humus

Options :

- 55317224673. 1
- 55317224674. 2
- 55317224675. 3
- 55317224676. 4

Question Number : 70 Question Id : 5531726184 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ratio of carbon to nitrogen in the organic matter of the furrow slice of arable soils commonly ranges from

1. 5 : 1 to 7 : 1
2. 10 : 1 to 12 : 1
3. 20 : 1 to 30 : 1
4. 8 : 1 to 100 : 1

Options :

- 55317224677. 1
- 55317224678. 2
- 55317224679. 3
- 55317224680. 4

Question Number : 71 Question Id : 5531726185 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Conversion of NH_4 to NO_3 in nitrification process is done by

1. Nitrosomonas only
2. Nitrobacteria only
3. Nitrosomonas and Nitrobacteria
4. Rhizobium only

Options :

- 55317224681. 1
- 55317224682. 2
- 55317224683. 3
- 55317224684. 4

Question Number : 72 Question Id : 5531726186 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Grey speck syndrome in soils is due to the deficiency of

1. Mo
2. B
3. Zn
4. Mn

Options :

- 55317224685. 1
- 55317224686. 2
- 55317224687. 3
- 55317224688. 4

Question Number : 73 Question Id : 5531726187 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Marshy spot of peas is caused by the deficiency of

1. Mn
2. Mo
3. Ca
4. Mg

Options :

- 55317224689. 1
- 55317224690. 2
- 55317224691. 3
- 55317224692. 4

Question Number : 74 Question Id : 5531726188 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Franching in citrus is due to the deficiency of

1. Cu
2. Zn
3. B
4. Mo

Options :

- 55317224693. 1
- 55317224694. 2
- 55317224695. 3
- 55317224696. 4

Question Number : 75 Question Id : 5531726189 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Grass tetany disease in animals is caused by the deficiency of

1. Mn
2. Mg
3. Mo
4. Fe

Options :

- 55317224697. 1
- 55317224698. 2
- 55317224699. 3
- 55317224700. 4

Question Number : 76 Question Id : 5531726190 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Land Capability Classification Class II is shown in the color map by

1. Pink colour
2. Dark green colour
3. Light green colour
4. Yellow colour

Options :

- 55317224701. 1
- 55317224702. 2
- 55317224703. 3
- 55317224704. 4

Question Number : 77 Question Id : 5531726191 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The capacity of soil to produce plants is called as

1. Soil quality
2. Soil productivity
3. Soil health
4. Soil fertility

Options :

- 55317224705. 1
- 55317224706. 2
- 55317224707. 3
- 55317224708. 4

Question Number : 78 Question Id : 5531726192 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

N and P deficiency in plants appears on the

1. Lower leaves only
2. Young leaves only
3. Middle leaves only
4. Middle as well as Young leaves

Options :

- 55317224709. 1
- 55317224710. 2
- 55317224711. 3
- 55317224712. 4

Question Number : 79 Question Id : 5531726193 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Boron content in borax is

1. 25%
2. 14%
3. 9%
4. 11%

Options :

- 55317224713. 1
- 55317224714. 2
- 55317224715. 3
- 55317224716. 4

Question Number : 80 Question Id : 5531726194 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

ppm is equal to

1. % multiplied by 10^4
2. mg / kg
3. μg / g
4. percent, mg and μg

Options :

- 55317224717. 1
- 55317224718. 2
- 55317224719. 3
- 55317224720. 4

Question Number : 81 Question Id : 5531726195 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Tissue testing in plants was given by

1. Fried and Dean
2. HG Hoffer
3. GN Hoffer
4. S. Larson

Options :

- 55317224721. 1
- 55317224722. 2
- 55317224723. 3
- 55317224724. 4

Question Number : 82 Question Id : 5531726196 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The nutrient which helps in formation of reproduction of primordia of plants is

1. N
2. K
3. P
4. Ca

Options :

- 55317224725. 1
- 55317224726. 2
- 55317224727. 3
- 55317224728. 4

Question Number : 83 Question Id : 5531726197 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

White bud of maize is caused by deficiency of

1. Fe
2. Mn
3. Zn
4. P

Options :

55317224729. 1
55317224730. 2
55317224731. 3
55317224732. 4

**Question Number : 84 Question Id : 5531726198 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Nuclides with same mass number (sum of neutrons and protons)
but having different atomic number (number of protons) are called
as

1. Isobars
2. Isomers
3. Isotopes
4. None of these

Options :

55317224733. 1
55317224734. 2
55317224735. 3
55317224736. 4

**Question Number : 85 Question Id : 5531726199 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Soil acidity can be decreased by adding

1. Carbonate of Ca
2. Hydroxide of Ca
3. Oxide of Ca
4. All of the above

Options :

55317224737. 1
55317224738. 2
55317224739. 3
55317224740. 4

**Question Number : 86 Question Id : 5531726200 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Soils having EC of saturated extract of soil solution > 4 dS/m are called as

1. Saline soils
2. Sodic soils
3. Alkaline soils
4. Sodic and alkaline soils

Options :

- 55317224741. 1
- 55317224742. 2
- 55317224743. 3
- 55317224744. 4

Question Number : 87 Question Id : 5531726201 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When gypsum is added for amending saline soils, the soluble salt formed is

1. NaHCO_3
2. Na_2CO_3
3. Na_2SO_4
4. None of these

Options :

- 55317224745. 1
- 55317224746. 2
- 55317224747. 3
- 55317224748. 4

Question Number : 88 Question Id : 5531726202 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phosphorus mineralization occurs in soil if C: P ratio is

1. < 200 : 1
2. < 250 : 1
3. < 500 : 1
4. < 400 : 1

Options :

- 55317224749. 1
- 55317224750. 2
- 55317224751. 3
- 55317224752. 4

Question Number : 89 Question Id : 5531726203 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Fe content of ferrous sulphate is

1. 29%
2. 56%
3. 19%
4. 64%

Options :

- 55317224753. 1
- 55317224754. 2
- 55317224755. 3
- 55317224756. 4

**Question Number : 90 Question Id : 5531726204 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The advantage of ICP-AES is that

1. High quality multi-nutrient analysis simultaneously.
2. Refractory elements can be determined.
3. High linear dynamic range.
4. All of the above

Options :

- 55317224757. 1
- 55317224758. 2
- 55317224759. 3
- 55317224760. 4

**Question Number : 91 Question Id : 5531726205 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

S is essential constituent of

1. Cysteine only
2. Cystine only
3. Methionine only
4. All of the above

Options :

- 55317224761. 1
- 55317224762. 2
- 55317224763. 3
- 55317224764. 4

**Question Number : 92 Question Id : 5531726206 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Top sickness of tobacco is due to the deficiency of

1. Mo
2. N
3. Mg
4. B

Options :

- 55317224765. 1
- 55317224766. 2
- 55317224767. 3
- 55317224768. 4

Question Number : 93 Question Id : 5531726207 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The inherent capacity of soil to supply the nutrients in available & proportionate amount is called as

1. Soil quality
2. Soil productivity
3. Soil fertility
4. Soil health

Options :

- 55317224769. 1
- 55317224770. 2
- 55317224771. 3
- 55317224772. 4

Question Number : 94 Question Id : 5531726208 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The most significant amorphous mineral matter in soil is

1. Hydroperoxides
2. Kaolinite
3. Allophane
4. Montmorillonite

Options :

- 55317224773. 1
- 55317224774. 2
- 55317224775. 3
- 55317224776. 4

Question Number : 95 Question Id : 5531726209 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

As per USDA system, the size of very fine sand is

1. 0.05 – 0.10 mm
2. 0.25 – 0.10 mm
3. 0.05 – 0.002 mm
4. < 0.002 mm

Options :

55317224777. 1
55317224778. 2
55317224779. 3
55317224780. 4

**Question Number : 96 Question Id : 5531726210 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

Clayey soils are also called as

1. Light soils
2. Very light soils
3. Heavy soils
4. Extremely light soils

Options :

55317224781. 1
55317224782. 2
55317224783. 3
55317224784. 4

**Question Number : 97 Question Id : 5531726211 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

The number of soil textural classes described are

1. 12
2. 19
3. 21
4. 18

Options :

55317224785. 1
55317224786. 2
55317224787. 3
55317224788. 4

**Question Number : 98 Question Id : 5531726212 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical**

Correct Marks : 4 Wrong Marks : 1

In mechanical analysis, the reagent used to oxidise organic matter of soil is

1. NaOH
2. KMnO₄
3. H₂O₂
4. NH₄OH

Options :

- 55317224789. 1
- 55317224790. 2
- 55317224791. 3
- 55317224792. 4

Question Number : 99 Question Id : 5531726213 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Addition of organic matter to soil improves its

1. Soil texture
2. Proportion of separates in soil
3. Amount of soil particles
4. Soil structure

Options :

- 55317224793. 1
- 55317224794. 2
- 55317224795. 3
- 55317224796. 4

Question Number : 100 Question Id : 5531726214 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The lightest soil texture among the following type of soils is

1. Sandy loam
2. Silty clay loam
3. Silty loam
4. Loamy sand

Options :

- 55317224797. 1
- 55317224798. 2
- 55317224799. 3
- 55317224800. 4

Question Number : 101 Question Id : 5531726215 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Arsenic toxicity can be reduced by the application of

1. ZnSO₄
2. FeSO₄
3. Aluminium Sulphate
4. All of the above

Options :

- 55317224801. 1
- 55317224802. 2
- 55317224803. 3
- 55317224804. 4

Question Number : 102 Question Id : 5531726216 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Olivine is the most common source of

1. Zn
2. Fe
3. B
4. Cr

Options :

- 55317224805. 1
- 55317224806. 2
- 55317224807. 3
- 55317224808. 4

Question Number : 103 Question Id : 5531726217 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In plants, shortening of internodes and smaller leaves are caused by

1. Nitrogen
2. Molybdenum
3. Zinc
4. Chromium

Options :

- 55317224809. 1
- 55317224810. 2
- 55317224811. 3
- 55317224812. 4

Question Number : 104 Question Id : 5531726218 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Mg²⁺ concentration in crops varies from

1. 0.1 to 0.4%
2. 0.6 to 1.0%
3. 0.01 to 0.04%
4. 2.0 to 4.0%

Options :

- 55317224813. 1
- 55317224814. 2
- 55317224815. 3
- 55317224816. 4

Question Number : 105 Question Id : 5531726219 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The ratio of the increase in osmotic pressure produced by the fertilizer to that produced by the same weight of NaNO₃, based on a relative value of 100 is called as

1. Lime requirement
2. Gypsum requirement
3. Salt index
4. Neutralizing power

Options :

- 55317224817. 1
- 55317224818. 2
- 55317224819. 3
- 55317224820. 4

Question Number : 106 Question Id : 5531726220 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Choose the correct statement of the following.

1. Ca(OH)₂ will neutralize 1.7 times as much acid as the same weight of CaCO₃
2. Ca(OH)₂ will neutralize 1.1 times as much acid as the same weight of CaCO₃
3. Ca(OH)₂ will neutralize 1.35 times as much acid as the same weight of CaCO₃
4. Ca(OH)₂ will neutralize 1.5 times as much acid as the same weight of CaCO₃

Options :

- 55317224821. 1
- 55317224822. 2
- 55317224823. 3
- 55317224824. 4

Question Number : 107 Question Id : 5531726221 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Availability of which of the following micronutrient increases the soil pH?

1. Mo
2. Bo
3. Zn
4. Fe

Options :

- 55317224825. 1
- 55317224826. 2
- 55317224827. 3
- 55317224828. 4

Question Number : 108 Question Id : 5531726222 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Limiting of acidic soil will increase plant available P by

1. Precipitation of Fe and Al
2. Precipitation of Mo
3. Precipitation of Zn
4. Precipitation of Cu

Options :

- 55317224829. 1
- 55317224830. 2
- 55317224831. 3
- 55317224832. 4

Question Number : 109 Question Id : 5531726223 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Process of Nitrification is enhanced by limiting pH to a range of

1. 2.5 to 3.4
2. 3.5 to 4.4
3. 4.5 to 5.4
4. 5.5 to 6.5

Options :

- 55317224833. 1
- 55317224834. 2
- 55317224835. 3
- 55317224836. 4

Question Number : 110 Question Id : 5531726224 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Immobilization of N occurs at C : N ratio of

1. 20 – 30 : 1
2. > 30 : 1
3. > 20 : 1
4. > 100 : 1

Options :

- 55317224837. 1
- 55317224838. 2
- 55317224839. 3
- 55317224840. 4

Question Number : 111 Question Id : 5531726225 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The weed family with most number of herbicide-resistance species is

1. Asteraceae
2. Poaceae
3. Brassicaceae
4. Cyperaceae

Options :

- 55317224841. 1
- 55317224842. 2
- 55317224843. 3
- 55317224844. 4

Question Number : 112 Question Id : 5531726226 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Weed cogon grass belongs to the family of

1. Cyperaceae
2. Asteraceae
3. Pontederiaceae
4. Poaceae

Options :

- 55317224845. 1
- 55317224846. 2
- 55317224847. 3
- 55317224848. 4

Question Number : 113 Question Id : 5531726227 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Phalaris minor in wheat can be controlled by

1. Isoproturon
2. Atrazine
3. 2, 4 – D
4. Gramaxon

Options :

- 55317224849. 1
- 55317224850. 2
- 55317224851. 3
- 55317224852. 4

Question Number : 114 Question Id : 5531726228 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Allelopathic effect of crop on weed relies on which of the following characteristic of crop plants?

1. Release of chemical compounds
2. Fast removal of nutrients and water from soil
3. Greater early canopy development
4. Efficient use of sunlight and CO₂

Options :

- 55317224853. 1
- 55317224854. 2
- 55317224855. 3
- 55317224856. 4

Question Number : 115 Question Id : 5531726229 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In the long-run, in what way the conservative agriculture is expected to alter the amount of herbicide use?

1. The use of herbicides will increase
2. The use of herbicides will decrease
3. The use of herbicides will continue to be in the same quantity
4. Herbicides may not be required at all after about 10 years of practising conservation agriculture

Options :

- 55317224857. 1
- 55317224858. 2
- 55317224859. 3
- 55317224860. 4

Question Number : 116 Question Id : 5531726230 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The root of which crop plant releases allelopathic chemicals in to the soil that inhibits the germination of succeeding crop?

1. Sorghum
2. Maize
3. Red gram
4. Sunflower

Options :

- 55317224861. 1
- 55317224862. 2
- 55317224863. 3
- 55317224864. 4

Question Number : 117 Question Id : 5531726231 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following group of herbicides is known as "double ring graminicide"?

1. Aryloxy phenoxy propionates
2. Phenoxy alkanolic acid
3. Quinoline carboxylic acid
4. Pyrimidinyl thiobenzoates

Options :

- 55317224865. 1
- 55317224866. 2
- 55317224867. 3
- 55317224868. 4

Question Number : 118 Question Id : 5531726232 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The trap inter-crop used to reduce the menace of striga in Maize is

1. Pepper
2. Cucumber
3. Desmodium
4. Flax

Options :

- 55317224869. 1
- 55317224870. 2
- 55317224871. 3
- 55317224872. 4

Question Number : 119 Question Id : 5531726233 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Herbicide used to knockdown *Sesbania* grown as brown manure crop in rice is

1. Bispyribac – Na
2. 2, 4 – D
3. Clodinofof
4. Metsulfuron

Options :

- 55317224873. 1
- 55317224874. 2
- 55317224875. 3
- 55317224876. 4

Question Number : 120 Question Id : 5531726234 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Algae can be controlled by applying of

1. Copper sulphate
2. Dalapon
3. Glyphosate
4. Pendimethalin

Options :

- 55317224877. 1
- 55317224878. 2
- 55317224879. 3
- 55317224880. 4

Question Number : 121 Question Id : 5531726235 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rice varieties suitable for saline areas are

1. CSR 5 and Heera
2. Panvel 1 and CSR 5
3. CSR 10 and GR 5
4. CSR 5 and Vikas

Options :

- 55317224881. 1
- 55317224882. 2
- 55317224883. 3
- 55317224884. 4

Question Number : 122 Question Id : 5531726236 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Wheat varieties suitable for cultivation in salt affected soils are

1. HD 2967 and WR 544
2. Raj 3077 and PBW 343
3. KRL19 and Raj 3077
4. KRL 19 and K 8027

Options :

- 55317224885. 1
- 55317224886. 2
- 55317224887. 3
- 55317224888. 4

Question Number : 123 Question Id : 5531726237 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The percent of plant population of rabi-maize is generally higher than optimum planting density of kharif maize by

1. 10%
2. 20%
3. 30%
4. 40%

Options :

- 55317224889. 1
- 55317224890. 2
- 55317224891. 3
- 55317224892. 4

Question Number : 124 Question Id : 5531726238 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Khaira disease in rice is caused due to

1. Bacterial infection
2. Excess application of potassium
3. Zinc deficiency
4. Fungal infection

Options :

- 55317224893. 1
- 55317224894. 2
- 55317224895. 3
- 55317224896. 4

Question Number : 125 Question Id : 5531726239 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

After threshing, the seeds of pigeon pea crop should be dried to a moisture content range of

1. 7 – 9%
2. 8 – 10%
3. 10 – 12%
4. 12 – 14%

Options :

- 55317224897. 1
- 55317224898. 2
- 55317224899. 3
- 55317224900. 4

Question Number : 126 Question Id : 5531726240 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Ideal time for sowing soybean in northern hill zone is

1. Last week of May to mid-June
2. Second week of July
3. Third week of June
4. June to July

Options :

- 55317224901. 1
- 55317224902. 2
- 55317224903. 3
- 55317224904. 4

Question Number : 127 Question Id : 5531726241 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In groundnut, the vegetative parts get calcium mostly from the calcium absorbed by the

1. Roots
2. Pods
3. Stems coming in contact with soil
4. Both roots and stem parts coming in contact with soil

Options :

- 55317224905. 1
- 55317224906. 2
- 55317224907. 3
- 55317224908. 4

Question Number : 128 Question Id : 5531726242 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Pikka tobacco is grown in the State of

1. Andhra Pradesh
2. Gujarat
3. Punjab
4. Odisha

Options :

55317224909. 1
55317224910. 2
55317224911. 3
55317224912. 4

Question Number : 129 Question Id : 5531726243 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The book "Ruralium Commodorum Libri Duodecim" was published by

1. Pietro de' Crescenzi
2. Virgil
3. Hopkins
4. Carl Sprengel

Options :

55317224913. 1
55317224914. 2
55317224915. 3
55317224916. 4

Question Number : 130 Question Id : 5531726244 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Sesamum belongs to the family of

1. Chenopodiaceae
2. Papilionaceae
3. Leguminoceae
4. Pedaliaceae

Options :

55317224917. 1
55317224918. 2
55317224919. 3
55317224920. 4

Question Number : 131 Question Id : 5531726245 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The oldest field experiments established at Rothamsted by Lawes and Gilbert was on

1. Sorghum
2. Winter wheat
3. Corn
4. Rice

Options :

- 55317224921. 1
- 55317224922. 2
- 55317224923. 3
- 55317224924. 4

Question Number : 132 Question Id : 5531726246 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Threshold of deficiency level of B in wheat (mg/kg) is

1. 15
2. 25
3. 35
4. 45

Options :

- 55317224925. 1
- 55317224926. 2
- 55317224927. 3
- 55317224928. 4

Question Number : 133 Question Id : 5531726247 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The organic residues with wider C: N ratio as compared to narrow C : N ratios are decomposed at

1. Slow rate
2. Faster rate
3. Faster rate followed by slow rate
4. Equal rate

Options :

- 55317224929. 1
- 55317224930. 2
- 55317224931. 3
- 55317224932. 4

Question Number : 134 Question Id : 5531726248 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The chemical formula of dicalcium phosphate is

1. $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$
2. $\text{Ca}_2\text{HPO}_4 \cdot 2\text{H}_2\text{O}$
3. $\text{CaH}_2\text{PO}_4 \cdot 5\text{H}_2\text{O}$
4. $\text{CaHPO}_4 \cdot 3\text{H}_2\text{O}$

Options :

55317224933. 1
55317224934. 2
55317224935. 3
55317224936. 4

Question Number : 135 Question Id : 5531726249 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Agronomic efficiency of N (AEN) can be computed as

1. $\text{AEN} = (Y / N)$
2. $\text{AEN} = \frac{(Y_F - Y_C)}{N}$
3. $\text{AEN} = \frac{(Y_F + Y_C)}{N}$
4. $\text{AEN} = \frac{Y_F \times N}{Y_C \times N}$

Options :

55317224937. 1
55317224938. 2
55317224939. 3
55317224940. 4

Question Number : 136 Question Id : 5531726250 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Flooded crops like rice respond less to applied P compared to upland crops because of

1. Fixation of applied P by soil colloids
2. Fe^{3+} bound P is converted to Fe^{2+} - bound P form, increasing its availability in soil
3. P-requirement of flood rice is low
4. Most of applied P is lost through leaching

Options :

55317224941. 1
55317224942. 2
55317224943. 3
55317224944. 4

Question Number : 137 Question Id : 5531726251 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following fertilizers is the richest source of 'S'?

1. Ferrous sulphate
2. Gypsum
3. Pyrites
4. Manganese sulphate

Options :

- 55317224945. 1
- 55317224946. 2
- 55317224947. 3
- 55317224948. 4

Question Number : 138 Question Id : 5531726252 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Amount of sulphate of potash required to supply 20 kg k/ha is

1. 33.0 kg / ha
2. 38.5 kg / ha
3. 46.0 kg / ha
4. 46.2 kg / ha

Options :

- 55317224949. 1
- 55317224950. 2
- 55317224951. 3
- 55317224952. 4

Question Number : 139 Question Id : 5531726253 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Excess phosphorus in the soil increase uptake of which of the following nutrients?

1. Zn
2. Mo
3. Fe
4. Cu

Options :

- 55317224953. 1
- 55317224954. 2
- 55317224955. 3
- 55317224956. 4

Question Number : 140 Question Id : 5531726254 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following forms of Nitrogen is available in urea?

1. Ammoniacal
2. Amide
3. Nitrite
4. Nitrate

Options :

- 55317224957. 1
- 55317224958. 2
- 55317224959. 3
- 55317224960. 4

Question Number : 141 Question Id : 5531726255 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Nutrients commonly used in fertigation are

1. N and P
2. N and S
3. P and K
4. Ca and P

Options :

- 55317224961. 1
- 55317224962. 2
- 55317224963. 3
- 55317224964. 4

Question Number : 142 Question Id : 5531726256 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

What will be total up take of N by wheat crop producing 5 t grain yield with a harvest index of 40% and its grain contains 2% N and straw of 0.5%

1. 137.5 Kg
2. 156.2 Kg
3. 180 Kg
4. 225 Kg

Options :

- 55317224965. 1
- 55317224966. 2
- 55317224967. 3
- 55317224968. 4

Question Number : 143 Question Id : 5531726257 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The first systematic scientific research approach to address the issues of dry farming was initiated by

1. Tamhane
2. Kanitkar
3. Hanumantha Rao
4. Krishnan and Thanvi

Options :

- 55317224969. 1
- 55317224970. 2
- 55317224971. 3
- 55317224972. 4

Question Number : 144 Question Id : 5531726258 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

How much quantity of zinc-sulphate will be needed to spray 1% Zn-sulphate in one hectare area using a spray volume of 800 litres?

1. 12 Kg
2. 16 Kg
3. 8 Kg
4. 4 Kg

Options :

- 55317224973. 1
- 55317224974. 2
- 55317224975. 3
- 55317224976. 4

Question Number : 145 Question Id : 5531726259 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Deep tillage in dryland areas is practiced once in 2-3 years to

1. Control weeds
2. To break crust
3. To break hardpan and improve storage of rain water
4. To prepare root bed

Options :

- 55317224977. 1
- 55317224978. 2
- 55317224979. 3
- 55317224980. 4

Question Number : 146 Question Id : 5531726260 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Dead furrows are suitable in regions when rainfall is

1. Very high
2. High
3. Medium
4. Low

Options :

- 55317224981. 1
- 55317224982. 2
- 55317224983. 3
- 55317224984. 4

Question Number : 147 Question Id : 5531726261 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The Indian state which rarely experience drought is

1. Karnataka
2. Rajasthan
3. Odisha
4. Assam

Options :

- 55317224985. 1
- 55317224986. 2
- 55317224987. 3
- 55317224988. 4

Question Number : 148 Question Id : 5531726262 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The response of dryland crops to fertilizers improves with their placement at

1. Soil surface
2. 1 – 5 cm below the soil surface
3. 5 – 10 cm below the soil surface
4. 10 – 20 cm below the soil surface

Options :

- 55317224989. 1
- 55317224990. 2
- 55317224991. 3
- 55317224992. 4

Question Number : 149 Question Id : 5531726263 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following States has the largest salt affected area?

1. Andhra Pradesh
2. Gujarat
3. Maharashtra
4. Bihar

Options :

- 55317224993. 1
- 55317224994. 2
- 55317224995. 3
- 55317224996. 4

Question Number : 150 Question Id : 5531726264 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of soil has the highest cation exchange capacity?

1. Loamy sand
2. Clay loam
3. Loam
4. Sandy loam

Options :

- 55317224997. 1
- 55317224998. 2
- 55317224999. 3
- 55317225000. 4

Question Number : 151 Question Id : 5531726265 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The permanent reclamation of salt affected soil can be achieved by

1. Removing the salt crust from the soil surface.
2. Ploughing salt surface crust into the soil.
3. Addition of other salt.
4. Lowering water table and improving infiltration rate of soil.

Options :

- 55317225001. 1
- 55317225002. 2
- 55317225003. 3
- 55317225004. 4

Question Number : 152 Question Id : 5531726266 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Crop which is sensitive to salinity, but semi-tolerant to sodicity is

1. Pea
2. Lentil
3. Cowpea
4. Groundnut

Options :

- 55317225005. 1
- 55317225006. 2
- 55317225007. 3
- 55317225008. 4

Question Number : 153 Question Id : 5531726267 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Gobindsagar reservoir is located in which of the following State?

1. Himachal Pradesh
2. Haryana
3. Jammu and Kashmir
4. Uttarakhand

Options :

- 55317225009. 1
- 55317225010. 2
- 55317225011. 3
- 55317225012. 4

Question Number : 154 Question Id : 5531726268 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The correct order of crops as per their water requirement is

1. Rice > Sugarcane > Cotton > Maize
2. Sugarcane > Rice > Cotton > Maize
3. Sugarcane > Rice > Maize > Cotton
4. Rice > Sugarcane > Maize > Cotton

Options :

- 55317225013. 1
- 55317225014. 2
- 55317225015. 3
- 55317225016. 4

Question Number : 155 Question Id : 5531726269 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Optimum IW/CPE ratio for scheduling irrigation in cotton is

1. 0.2 – 0.6
2. 0.4 – 0.8
3. 0.7 – 0.9
4. 1 – 1.05

Options :

55317225017. 1
55317225018. 2
55317225019. 3
55317225020. 4

Question Number : 156 Question Id : 5531726270 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In general, irrigation is applied to crops other than rice and moisture sensitive crops, when depletion of available soil moisture is about

1. 15%
2. 25%
3. 50%
4. 75%

Options :

55317225021. 1
55317225022. 2
55317225023. 3
55317225024. 4

Question Number : 157 Question Id : 5531726271 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

When land slope is excessive, border irrigation will cause deep percolation losses at

1. Upstream end of border only
2. Downstream end of border only
3. Mid of the border only
4. Both at upstream end and downstream end of border

Options :

55317225025. 1
55317225026. 2
55317225027. 3
55317225028. 4

Question Number : 158 Question Id : 5531726272 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Rainfall intensity is generally higher

1. near the equator
2. in the South hemisphere
3. in the North hemisphere
4. away from equator

Options :

55317225029. 1
55317225030. 2
55317225031. 3
55317225032. 4

Question Number : 159 Question Id : 5531726273 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Formula for computing the uniformity coefficient (Cu) in sprinkler irrigation is

1. $Cu = 100 \left(1.0 - \frac{\sum x}{mn} \right)$
2. $Cu = 100 - \left(10 - \frac{\sum x}{mn} \right)$
3. $Cu = 100 \left(1.0 - \frac{\sum x}{mn} \right)$
4. $Cu = 100 \left(10 - \frac{\sum x}{mn} \right)$

Options :

55317225033. 1
55317225034. 2
55317225035. 3
55317225036. 4

Question Number : 160 Question Id : 5531726274 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The discharge rate from a suppressed rectangular weir can be computed using the equation of

1. $Q = 0.154 \times L \times H^{3/2}$
2. $Q = 0.0184 \times B \times H^{3/2}$
3. $Q = 0.0184 \times L \times H^{3/2}$
4. $Q = 0.0184 \times L \times H^{3/2}$

Options :

55317225037. 1
55317225038. 2
55317225039. 3
55317225040. 4

Question Number : 161 Question Id : 5531726275 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Normally drainage condition is rated as good if the water table depth including capillary fringe is

1. > 200 cm
2. 120 – 200 cm
3. 90 – 120 cm
4. < 90 cm

Options :

55317225041. 1

55317225042. 2

55317225043. 3

55317225044. 4

Question Number : 162 Question Id : 5531726276 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Equation used for designing a drainage system is

1. Mitscherlich equation
2. Poiseuille's equation
3. Davis equation
4. Hooghoudt equation

Options :

55317225045. 1

55317225046. 2

55317225047. 3

55317225048. 4

Question Number : 163 Question Id : 5531726277 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

A calibrated device for measuring the water flow in an open conduit is known as

1. V — notch
2. Parshall flume
3. Water meter
4. Mano meter

Options :

55317225049. 1

55317225050. 2

55317225051. 3

55317225052. 4

Question Number : 164 Question Id : 5531726278 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Total depth of water applied to a wheat crop in 140 days is 70 cm, find out the duty of water?

1. 432 ha cumec⁻¹
2. 1200 ha cumec⁻¹
3. 1728 ha cumec⁻¹
4. 1985 ha cumec⁻¹

Options :

- 55317225053. 1
- 55317225054. 2
- 55317225055. 3
- 55317225056. 4

Question Number : 165 Question Id : 5531726279 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In frequency distribution, a two-way table containing two-variables is called

1. Two-way table
2. Correlation table
3. Contingency table
4. Three-way table

Options :

- 55317225057. 1
- 55317225058. 2
- 55317225059. 3
- 55317225060. 4

Question Number : 166 Question Id : 5531726280 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

DMRT stands for

1. Data for multiple range test
2. Duncan's multiple range test
3. Duncan's meta range test
4. Data for multiple regions test

Options :

- 55317225061. 1
- 55317225062. 2
- 55317225063. 3
- 55317225064. 4

Question Number : 167 Question Id : 5531726281 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following means CANNOT help in getting valid statistical analysis of variance, if data from a few experimental units of an average size field experiment are missing?

1. Use of CRD
2. Missing plot technique
3. Analysis of co-variance
4. Transformation of data

Options :

- 55317225065. 1
- 55317225066. 2
- 55317225067. 3
- 55317225068. 4

Question Number : 168 Question Id : 5531726282 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

LSD can be computed by using the expression of

1. $LSD = t\text{-value} \times SE(M)$
2. $LSD = t\text{-value} \times SE(d)$
3. $LSD = F\text{-value} \times SE(d)$
4. $LSD = F\text{-value} \times SE(M)$

Options :

- 55317225069. 1
- 55317225070. 2
- 55317225071. 3
- 55317225072. 4

Question Number : 169 Question Id : 5531726283 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In a strip-plot design, standard error mean difference for comparison of two vertical means average over all horizontal means can be computed using the formula of

1. $\frac{\sqrt{2Eb}}{r}$
2. $\sqrt{\frac{2Eb}{r}}$
3. $\sqrt{\frac{2Eb}{ra}}$
4. $\frac{\sqrt{2Eb}}{ra}$

Options :

- 55317225073. 1
- 55317225074. 2
- 55317225075. 3
- 55317225076. 4

Question Number : 170 Question Id : 5531726284 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Formula for compiling simple linear correlation is

$$1. r = \frac{xy}{(\sum x^2)(\sum y^2)}$$

$$2. r = \frac{\sum xy}{\sqrt{(\sum x^2)(\sum y^2)}}$$

$$3. r = \frac{\sum xy}{(\sum x^2)(\sum y^2)}$$

$$4. r = \sqrt{\frac{\sum xy}{(\sum x^2)(\sum y^2)}}$$

Options :

55317225077. 1

55317225078. 2

55317225079. 3

55317225080. 4

Question Number : 171 Question Id : 5531726285 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Agronomic measurers for water erosion control are effective on lands with slope of

1. < 2%

2. 2 – 4%

3. 4 – 5%

4. > 5%

Options :

55317225081. 1

55317225082. 2

55317225083. 3

55317225084. 4

Question Number : 172 Question Id : 5531726286 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Resourcing of a crop is advisable if severe dry spell and consequent moisture stress occurs within the following time frames

1. A week to 10 days after sowing

2. 2 – 3 weeks after sowing

3. 3 – 4 weeks after sowing

4. 4 – 5 weeks after sowing

Options :

55317225085. 1

55317225086. 2

55317225087. 3

55317225088. 4

Question Number : 173 Question Id : 5531726287 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

In Universal Soil Loss Equation, 'K' indicates which of the factors below?

1. Rainfall erosivity
2. Soil erodibility
3. Land slope factor
4. Crop cover

Options :

55317225089. 1

55317225090. 2

55317225091. 3

55317225092. 4

Question Number : 174 Question Id : 5531726288 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Under what load condition, excavated farm ponds are more suitable?

1. Flat land
2. Hilly tract
3. Rugged terrain with wide deep water coursed
4. Steep slopes having heavy soil texture

Options :

55317225093. 1

55317225094. 2

55317225095. 3

55317225096. 4

Question Number : 175 Question Id : 5531726289 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Relationship between water and fertilizer as production factor in a crop is

1. Additive
2. Antagonistic
3. Synergistic
4. No relation

Options :

55317225097. 1

55317225098. 2

55317225099. 3

55317225100. 4

Question Number : 176 Question Id : 5531726290 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Capillary movement of water results from the forces of

1. Adhesion only
2. Cohesion only
3. Adhesion and Cohesion
4. Hydrostatic only

Options :

55317225101. 1

55317225102. 2

55317225103. 3

55317225104. 4

Question Number : 177 Question Id : 5531726291 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Field capacity (w/w) of loam soil is generally between

1. 32 – 40%
2. 25 – 32%
3. 18 – 25%
4. 10 – 18%

Options :

55317225105. 1

55317225106. 2

55317225107. 3

55317225108. 4

Question Number : 178 Question Id : 5531726292 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following relationships between field capacity (FC) and moisture equivalent (ME) is correct for a medium soil?

1. $FC = ME$
2. $FC > ME$
3. $FC < ME$
4. No such trend exists

Options :

55317225109. 1

55317225110. 2

55317225111. 3

55317225112. 4

Question Number : 179 Question Id : 5531726293 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The movement of soil moisture is from an area of

1. High tension to low tension
2. Low tension to high tension
3. High elevations to lower elevations
4. Lower soil depth to upper soil depth

Options :

- 55317225113. 1
- 55317225114. 2
- 55317225115. 3
- 55317225116. 4

Question Number : 180 Question Id : 5531726294 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Identify the method which other methods are standardized for determining soil moisture content

1. Neutron scattering
2. Tensiometer
3. Gravimetric
4. Gypsum block

Options :

- 55317225117. 1
- 55317225118. 2
- 55317225119. 3
- 55317225120. 4

Question Number : 181 Question Id : 5531726295 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Bar is equal to

1. 10^4 dynes/cm²
2. 10^5 dynes/cm²
3. 10^6 dynes/cm²
4. 10^8 dynes/cm²

Options :

- 55317225121. 1
- 55317225122. 2
- 55317225123. 3
- 55317225124. 4

Question Number : 182 Question Id : 5531726296 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Topping consists of removal of the terminal bud with or without some of the small leaves and is practiced in which of the following crops?

1. Tobacco
2. Gram
3. Castor
4. Cotton

Options :

- 55317225125. 1
- 55317225126. 2
- 55317225127. 3
- 55317225128. 4

Question Number : 183 Question Id : 5531726297 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following regulates loss of water from the plants?

1. Stomata
2. Xylem
3. Phloem
4. Epidermis

Options :

- 55317225129. 1
- 55317225130. 2
- 55317225131. 3
- 55317225132. 4

Question Number : 184 Question Id : 5531726298 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which one of the following is NOT correctly paired?

1. Sunflower — Prabhat
2. Ground nut — Ak-12-24
3. Soybean — Brogg
4. Cotton — Digvijaya

Options :

- 55317225133. 1
- 55317225134. 2
- 55317225135. 3
- 55317225136. 4

Question Number : 185 Question Id : 5531726299 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Most moisture sensitive stages of potato are

1. Seedling and tuberization
2. Sprouting and tuberization
3. Branching and tuberization
4. Sprouting and branching

Options :

- 55317225137. 1
- 55317225138. 2
- 55317225139. 3
- 55317225140. 4

Question Number : 186 Question Id : 5531726300 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Evapotranspiration can be measured by using which one of the following equipment?

1. Ramser's sampler
2. Parshall flume
3. Stage level recorder
4. Lysimeter

Options :

- 55317225141. 1
- 55317225142. 2
- 55317225143. 3
- 55317225144. 4

Question Number : 187 Question Id : 5531726301 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following orders of crop growth periods is correct to calculate the Kc factor?

1. Mid-season > Development > Initial > Late season
2. Mid-season > Development > Late season > Initial
3. Development > Mid-season > Late season > Initial
4. Mid-season > Late season > Development > Initial

Options :

- 55317225145. 1
- 55317225146. 2
- 55317225147. 3
- 55317225148. 4

Question Number : 188 Question Id : 5531726302 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Crop logging is used in which of the following crops?

1. Sugarcane
2. Maize
3. Guar
4. Sugarbeet

Options :

- 55317225149. 1
- 55317225150. 2
- 55317225151. 3
- 55317225152. 4

Question Number : 189 Question Id : 5531726303 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which crop has the double symbiotic relationship with nitrogen?

1. *Cajanus cajan*
2. *Phaseolus vulgaris*
3. *Sesbania rostrata*
4. *Glycine max*

Options :

- 55317225153. 1
- 55317225154. 2
- 55317225155. 3
- 55317225156. 4

Question Number : 190 Question Id : 5531726304 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Napier grass was introduced in India in the year 1919 from

1. Egypt
2. Zimbabwe
3. South Africa
4. Tanzania

Options :

- 55317225157. 1
- 55317225158. 2
- 55317225159. 3
- 55317225160. 4

Question Number : 191 Question Id : 5531726305 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The NDVI of a crop can be computed by using the reflectance values of near infrared light (NIR) and Red light ® from its canopy using the formula of

$$1. \text{NDVI} = \frac{\text{NIR} - \text{R}}{\text{NIR} + \text{R}}$$

$$2. \text{NDVI} = \frac{\text{NIR} + \text{R}}{\text{NIR} - \text{R}}$$

$$3. \text{NDVI} = \frac{\text{NIR} + \text{R}}{\text{R} - \text{NIR}}$$

$$4. \text{NDVI} = \frac{\text{NIR} - \text{R}}{\text{NIR}}$$

Options :

55317225161. 1

55317225162. 2

55317225163. 3

55317225164. 4

Question Number : 192 Question Id : 5531726306 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following technologies hamper the sustainability of agricultural production systems?

1. Conservation agriculture
2. Organic farming
3. Chemical – driven intensive cultivation of crops
4. Agro forestry systems

Options :

55317225165. 1

55317225166. 2

55317225167. 3

55317225168. 4

Question Number : 193 Question Id : 5531726307 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Crop with highest saturation light intensity is

1. Wheat
2. Corn
3. Alfa-Alfa
4. Sugarcane

Options :

55317225169. 1

55317225170. 2

55317225171. 3

55317225172. 4

Question Number : 194 Question Id : 5531726308 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The organic residues with wider C : N ratio as compared to narrow C : N ratio decomposes at a

1. Slow rate
2. Faster rate
3. Faster rate followed by slow rate
4. Equal rate

Options :

55317225173. 1
55317225174. 2
55317225175. 3
55317225176. 4

Question Number : 195 Question Id : 5531726309 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Relative water content (%) is calculated using the following formula

1. $\left(\frac{F_w - D_w}{T_w - D_w}\right) \times 100$
2. $\left(\frac{T_w - D_w}{F_w - D_w}\right) \times 100$
3. $\left(\frac{T_w - D_w}{T_w + D_w}\right) \times 100$
4. $\left(\frac{F_w - D_w}{F_w + D_w}\right) \times 100$

Options :

55317225177. 1
55317225178. 2
55317225179. 3
55317225180. 4

Question Number : 196 Question Id : 5531726310 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which among the following is a gully erosion control measure?

1. Graded bund
2. Contour trench
3. Terracing
4. Brush wood check dam

Options :

55317225181. 1
55317225182. 2
55317225183. 3
55317225184. 4

Question Number : 197 Question Id : 5531726311 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Which of the following extractants has been developed in India?

1. 1-N ammonium acetate solution for K-estimation
2. Sodium bi-carbonate for P-estimation
3. CaCl₂ for estimating S
4. Alkaline permanganate for N-test

Options :

- 55317225185. 1
- 55317225186. 2
- 55317225187. 3
- 55317225188. 4

Question Number : 198 Question Id : 5531726312 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

The correct order of plants according to size of their ligule is

1. *Phalaris minor* > Wheat > Oat
2. Oat > *Phalaris minor* > Wheat
3. *Phalaris minor* > Oat > Wheat
4. Wheat > *Phalaris minor* > Oat

Options :

- 55317225189. 1
- 55317225190. 2
- 55317225191. 3
- 55317225192. 4

Question Number : 199 Question Id : 5531726313 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Oil percentage and protein content of groundnut respectively are

1. 30% and 40%
2. 45% and 26%
3. 50% and 36%
4. 26% and 40%

Options :

- 55317225193. 1
- 55317225194. 2
- 55317225195. 3
- 55317225196. 4

Question Number : 200 Question Id : 5531726314 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 1

Class VIII land is suitable for

1. Growing hardy arable crops
2. Growing fruit trees
3. Growing agro-forestry systems
4. Wild life / Recreation habitats

Options :

55317225197. 1

55317225198. 2

55317225199. 3

55317225200. 4