

National Testing Agency

Question Paper Name : Water Engineering and Management Eng 15th June 2023
Shift 2
Subject Name : Water Engineering and Management Eng
Creation Date : 2023-06-15 20:01:38
Duration : 120
Total Marks : 400
Display Marks: Yes

Water Engineering and Management

Group Number : 1
Group Id : 686340215
Group Maximum Duration : 0
Group Minimum Duration : 120
Show Attended Group? : No
Edit Attended Group? : No
Break time : 0
Group Marks : 400
Is this Group for Examiner? : No
Examiner permission : Cant View
Show Progress Bar? : No

Part A

Section Id : 686340429
Section Number : 1
Section type : Online
Mandatory or Optional : Mandatory
Number of Questions : 21
Number of Questions to be attempted : 21
Section Marks : 100
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Sub-Section Number : 1
Sub-Section Id : 686340707
Question Shuffling Allowed : No
Is Section Default? : null

**Question Id : 68634021665 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group
Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time
: N.A Minimum Instruction Time : 0**

Question Numbers : (1 to 5)

Question Label : Comprehension

Forty-one children were on Wednesday rescued from 12 toy factories in southwest Delhi's Azad Market. Police sealed the factories on Ram Bagh Road and booked their owners.

The rescue operation was jointly conducted by Bachpan Bachao Andolan (BBA), SDM (Kotwali) Daryaganj, the labour department, Bal Vikas Dhara and Delhi Police. All children are aged between 13 and 17 years and belong to states like Bihar, Jharkhand and West Bengal.

The rescue teams said the children were living in "horrible" conditions. According to a member, "their clothes were torn, and they were starved and overworked".

A 13-year-old boy, originally from West Bengal, said he and the other children would start their day around 9am and work till 12 midnight—a gruelling 15 hours each day making toy parts at the factories. Afterwards, they used to sleep in a cramped space inside the factory.

Terming it "a shame for the society", BBA director Manish Sharma said, "Even after decades for achieving independence, we haven't been able to free our kids from child labour. Children who should have been playing with toys are making toys and working as slaves. Such incidents should make us all ashamed and angry."

In February this year, about 30 children working in various toy manufacturing units were rescued from Wazirpur Industrial Area in northwest Delhi. Following this, Delhi high court had directed that a committee be formed under the supervision of the Delhi chief secretary and district DCPs, in close coordination with the labour and women and child welfare departments and MCD, to inspect the premises of units that employed child labourers.

Sub questions

Question Number : 1 Question Id : 68634021666 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What is the full form of BBA according to the given paragraph?

1. Bachao Bachpan Andolan
2. Bachpan Bachao Andolan
3. Bacha Bachao Andolan
4. Bachpana Bachao Andolan

Options :

- 68634085601. 1
- 68634085602. 2
- 68634085603. 3
- 68634085604. 4

Question Number : 2 Question Id : 68634021667 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

In what sense the word cramped is being used in this paragraph

1. Painful involuntary contraction of muscles
2. Abdominal pain
3. Uncomfortably small or crowded
4. A tool, typically shaped like a capital G

Options :

- 68634085605. 1
- 68634085606. 2
- 68634085607. 3
- 68634085608. 4

Question Number : 3 Question Id : 68634021668 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the opposite of the word 'gruelling' from the options given below?

1. Demanding
2. Relaxing
3. Grudging
4. Grubby

Options :

- 68634085609. 1
- 68634085610. 2
- 68634085611. 3
- 68634085612. 4

Question Number : 4 Question Id : 68634021669 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The meaning of 'coordination' is :

1. Ability to move in one direction.
2. Ability to join different parts to form a picture.
3. Ability to move different parts of the body smoothly and at the same time.
4. To divide the atoms into its constituent parts

Options :

- 68634085613. 1
- 68634085614. 2
- 68634085615. 3
- 68634085616. 4

Question Number : 5 Question Id : 68634021670 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Child labour is prevalent even after decades and this is according to this passage.

1. A shame for our society.
2. Shame for independent India.
3. Shame for Delhi national capital
4. Shame for North-West Delhi

Options :

- 68634085617. 1
- 68634085618. 2
- 68634085619. 3
- 68634085620. 4

Question Id : 68634021665 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Question Label : Comprehension

Forty-one children were on Wednesday rescued from 12 toy factories in southwest Delhi's Azad Market. Police sealed the factories on Ram Bagh Road and booked their owners.

The rescue operation was jointly conducted by Bachpan Bachao Andolan (BBA), SDM (Kotwali) Daryaganj, the labour department, Bal Vikas Dhara and Delhi Police. All children are aged between 13 and 17 years and belong to states like Bihar, Jharkhand and West Bengal.

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Sub questions

Question Number : 1 Question Id : 68634021666 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

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1. Bachao Bachpan Andolan
2. Bachpan Bachao Andolan
3. Bacha Bachao Andolan
4. Bachpana Bachao Andolan

Options :

- 68634085601. 1
- 68634085602. 2
- 68634085603. 3
- 68634085604. 4

Question Number : 2 Question Id : 68634021667 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In what sense the word cramped is being used in this paragraph

1. Painful involuntary contraction of muscles
2. Abdominal pain
3. Uncomfortably small or crowded
4. A tool, typically shaped like a capital G

Options :

- 68634085605. 1
- 68634085606. 2
- 68634085607. 3
- 68634085608. 4

Question Number : 3 Question Id : 68634021668 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find out the opposite of the word 'gruelling' from the options given below?

1. Demanding
2. Relaxing
3. Grudging
4. Grubby

Options :

- 68634085609. 1
- 68634085610. 2
- 68634085611. 3

68634085612. 4

Question Number : 4 Question Id : 68634021669 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

The meaning of 'coordination' is :

1. Ability to move in one direction.
2. Ability to join different parts to form a picture.
3. Ability to move different parts of the body smoothly and at the same time.
4. To divide the atoms into its constituent parts

Options :

- 68634085613. 1
- 68634085614. 2
- 68634085615. 3
- 68634085616. 4

Question Number : 5 Question Id : 68634021670 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Child labour is prevalent even after decades and this is according to this passage.

1. A shame for our society.
2. Shame for independent India.
3. Shame for Delhi national capital
4. Shame for North-West Delhi

Options :

- 68634085617. 1
- 68634085618. 2
- 68634085619. 3
- 68634085620. 4

Sub-Section Number :	2
Sub-Section Id :	686340708
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 6 Question Id : 68634021671 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Pick out the antonym of 'Plenty'.

1. paucity
2. multiply
3. conclude
4. richness

Options :

- 68634085621. 1
- 68634085622. 2
- 68634085623. 3
- 68634085624. 4

Question Number : 6 Question Id : 68634021671 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the antonym of 'Plenty'.

1. paucity
2. multiply
3. conclude
4. richness

Options :

- 68634085621. 1
- 68634085622. 2
- 68634085623. 3
- 68634085624. 4

Question Number : 7 Question Id : 68634021672 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the meaning of underlined idiom in the following sentence.

Though she is a rich lady, she should cut down her expenses.

1. increase
2. reduce
3. borrow
4. lose

Options :

- 68634085625. 1
- 68634085626. 2

68634085627. 3

68634085628. 4

Question Number : 7 Question Id : 68634021672 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the meaning of underlined idiom in the following sentence.

Though she is a rich lady, she should cut down her expenses.

1. increase

2. reduce

3. borrow

4. lose

Options :

68634085625. 1

68634085626. 2

68634085627. 3

68634085628. 4

Question Number : 8 Question Id : 68634021673 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Choose the correct active voice form of the following sentence.

The house was broken into at midnight by the thieves.

1. The thief broke into the house at midnight.

2. The thieves have broken the house at midnight.

3. At midnight the thieves had broken the house.

4. The thieves broke into the house at midnight.

Options :

68634085629. 1

68634085630. 2

68634085631. 3

68634085632. 4

Question Number : 8 Question Id : 68634021673 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Choose the correct active voice form of the following sentence.

The house was broken into at midnight by the thieves.

1. The thief broke into the house at midnight.
2. The thieves have broken the house at midnight.
3. At midnight the thieves had broken the house.
4. The thieves broke into the house at midnight.

Options :

- 68634085629. 1
- 68634085630. 2
- 68634085631. 3
- 68634085632. 4

Question Number : 9 Question Id : 68634021674 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the synonym of the following word :

ludicrous

1. ridiculous
2. creditable
3. humorous
4. serious

Options :

- 68634085633. 1
- 68634085634. 2
- 68634085635. 3
- 68634085636. 4

Question Number : 9 Question Id : 68634021674 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Pick out the synonym of the following word :

ludicrous

1. ridiculous
2. creditable
3. humorous
4. serious

Options :

- 68634085633. 1
- 68634085634. 2
- 68634085635. 3
- 68634085636. 4

Question Number : 10 Question Id : 68634021675 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the part of speech of the underlined word in the following sentence :

Are there any witnesses present ?

1. Article
2. Adjective
3. Adverb
4. Verb

Options :

- 68634085637. 1
- 68634085638. 2
- 68634085639. 3
- 68634085640. 4

Question Number : 10 Question Id : 68634021675 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Identify the part of speech of the underlined word in the following sentence :

Are there any witnesses present ?

1. Article
2. Adjective
3. Adverb
4. Verb

Options :

- 68634085637. 1
- 68634085638. 2
- 68634085639. 3
- 68634085640. 4

Question Number : 11 Question Id : 68634021676 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is true about Anti-Defection Law ?

1. It was added as the 11th Schedule in the Constitution
2. It was added through 85th Constitutional Amendment Act
3. It was added as the 10th Schedule in the Constitution
4. It was added through 50th Constitutional Amendment Act

Options :

- 68634085641. 1
- 68634085642. 2
- 68634085643. 3
- 68634085644. 4

Question Number : 11 Question Id : 68634021676 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following statements is true about Anti-Defection Law ?

1. It was added as the 11th Schedule in the Constitution
2. It was added through 85th Constitutional Amendment Act
3. It was added as the 10th Schedule in the Constitution
4. It was added through 50th Constitutional Amendment Act

Options :

- 68634085641. 1
- 68634085642. 2
- 68634085643. 3
- 68634085644. 4

Question Number : 12 Question Id : 68634021677 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

McMahon line marks the boundary of which two countries ?

1. China and Pakistan
2. China and India
3. USA and Canada
4. India and Bangladesh

Options :

- 68634085645. 1
- 68634085646. 2
- 68634085647. 3
- 68634085648. 4

Question Number : 12 Question Id : 68634021677 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

McMahon line marks the boundary of which two countries ?

1. China and Pakistan
2. China and India
3. USA and Canada
4. India and Bangladesh

Options :

- 68634085645. 1

68634085646. 2

68634085647. 3

68634085648. 4

Question Number : 13 Question Id : 68634021678 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	Kiran Desai	I.	Jnanapith Award
B.	Arun Akash Dev	II.	Man Booker Prize
C.	Rabindranath Tagore	III.	Sahitya Akademi Award
D.	Nilamani Phookan	IV.	Nobel Prize for Literature

Choose the correct answer from the options given below:

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

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

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

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

Options :

68634085649. 1

68634085650. 2

68634085651. 3

68634085652. 4

Question Number : 13 Question Id : 68634021678 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
A.	Kiran Desai	I.	Jnanapith Award
B.	Arun Akash Dev	II.	Man Booker Prize
C.	Rabindranath Tagore	III.	Sahitya Akademi Award
D.	Nilamani Phookan	IV.	Nobel Prize for Literature

Choose the correct answer from the options given below:

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

Options :

68634085649. 1
68634085650. 2
68634085651. 3
68634085652. 4

Question Number : 14 Question Id : 68634021679 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Given below are two statements : One is labelled as **Assertion A** and the other is labelled as **Reason R**.

Assertion A : One loses a day when he/she crosses 180° longitude east to west.

Reason R : The sun rises in the east and sets in the west and two places that are 15 degree of longitude apart have a difference of 1 hour.

In the light of the above statements, choose the **correct answer** from the options given below :

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

Options :

68634085653. 1
68634085654. 2
68634085655. 3
68634085656. 4

Question Number : 14 Question Id : 68634021679 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements : One is labelled as **Assertion A** and the other is labelled as **Reason R**.

Assertion A : One loses a day when he/she crosses 180° longitude east to west.

Reason R : The sun rises in the east and sets in the west and two places that are 15 degree of longitude apart have a difference of 1 hour.

In the light of the above statements, choose the **correct answer** from the options given below :

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

Options :

- 68634085653. 1
- 68634085654. 2
- 68634085655. 3
- 68634085656. 4

Question Number : 15 Question Id : 68634021680 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following Indus Valley sites is located in Pakistan ?

1. Harappa
2. Alamgirpur
3. Kalibangan
4. Lothal

Options :

- 68634085657. 1
- 68634085658. 2
- 68634085659. 3
- 68634085660. 4

Question Number : 15 Question Id : 68634021680 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following Indus Valley sites is located in Pakistan ?

1. Harappa
2. Alamgirpur
3. Kalibangan
4. Lothal

Options :

- 68634085657. 1
- 68634085658. 2
- 68634085659. 3
- 68634085660. 4

Question Number : 16 Question Id : 68634021681 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are six statements, followed by four options of combinations of any three of the given sentences. Choose the option in which the combinations are logically related :

- A. All martians eat mutton.
- B. All those who eat mutton are not Martians.
- C. All those who eat mutton are herbitvorous.
- D. Martians are carnivorous.
- E. All those who eat mutton are carnivorous.
- F. Martians are herbivorous.

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

Options :

- 68634085661. 1
- 68634085662. 2
- 68634085663. 3
- 68634085664. 4

Question Number : 16 Question Id : 68634021681 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are six statements, followed by four options of combinations of any three of the given sentences. Choose the option in which the combinations are logically related :

- A. All martians eat mutton.
- B. All those who eat mutton are not Martians.
- C. All those who eat mutton are herbitvorous.
- D. Martians are carnivorous.
- E. All those who eat mutton are carnivorous.
- F. Martians are herbivorous.

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

Options :

- 68634085661. 1
- 68634085662. 2
- 68634085663. 3
- 68634085664. 4

Question Number : 17 Question Id : 68634021682 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Deepak is Jaideep's son and Gomti's brother. Maya is Gomti's mother and Jyoti's daughter. Which of the statements below is true?

- 1. Jyoti is Deepak's mother-in-law
- 2. Maya is Jaideep's mother
- 3. Jyoti is Jaideep's grandmother
- 4. Jyoti is Deepak's grandmother

Options :

- 68634085665. 1
- 68634085666. 2
- 68634085667. 3
- 68634085668. 4

Question Number : 17 Question Id : 68634021682 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Deepak is Jaideep's son and Gomti's brother. Maya is Gomti's mother and Jyoti's daughter. Which of the statements below is true?

1. Jyoti is Deepak's mother-in-law
2. Maya is Jaideep's mother
3. Jyoti is Jaideep's grandmother
4. Jyoti is Deepak's grandmother

Options :

- 68634085665. 1
- 68634085666. 2
- 68634085667. 3
- 68634085668. 4

Question Number : 18 Question Id : 68634021683 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Priya walks 5 metre towards west, takes a right turn and walks 5 meter again. She then takes another right turn and walks 41 metres. She then takes a left turn and walks 43 metres before stopping. How far is she from the starting point?

1. 80 metres
2. 65 metres
3. 50 metres
4. 60 metres

Options :

- 68634085669. 1
- 68634085670. 2
- 68634085671. 3
- 68634085672. 4

Question Number : 18 Question Id : 68634021683 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Priya walks 5 metre towards west, takes a right turn and walks 5 meter again. She then takes another right turn and walks 41 metres. She then takes a left turn and walks 43 metres before stopping. How far is she from the starting point?

1. 80 metres
2. 65 metres
3. 50 metres
4. 60 metres

Options :

- 68634085669. 1
- 68634085670. 2
- 68634085671. 3
- 68634085672. 4

Question Number : 19 Question Id : 68634021684 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What will come in place of (?) in the series.

1, 4, 3, 9, 5, 16, 7, 25, 9, 36, 11, ?

- 1. 39
- 2. 47
- 3. 51
- 4. 49

Options :

- 68634085673. 1
- 68634085674. 2
- 68634085675. 3
- 68634085676. 4

Question Number : 19 Question Id : 68634021684 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What will come in place of (?) in the series.

1, 4, 3, 9, 5, 16, 7, 25, 9, 36, 11, ?

- 1. 39
- 2. 47
- 3. 51
- 4. 49

Options :

- 68634085673. 1
- 68634085674. 2
- 68634085675. 3
- 68634085676. 4

Question Number : 20 Question Id : 68634021685 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

In a certain code language.

"Darsha bought new car" is written as "as ho mv st"

"Darsha and Sudha siblings" is written as "ua as nc gs"

"Sudha bought new bike" is written as "ua mv ho ik"

"Car and Bike super" is written as "ik nc st pu"

Which of the following is the code for "Darsha Bike Super" ?

1. gs ik nc

2. as ik pu

3. ho ik as

4. as ik ph

Options :

68634085677. 1

68634085678. 2

68634085679. 3

68634085680. 4

Question Number : 20 Question Id : 68634021685 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In a certain code language.

"Darsha bought new car" is written as "as ho mv st"

"Darsha and Sudha siblings" is written as "ua as nc gs"

"Sudha bought new bike" is written as "ua mv ho ik"

"Car and Bike super" is written as "ik nc st pu"

Which of the following is the code for "Darsha Bike Super" ?

1. gs ik nc

2. as ik pu

3. ho ik as

4. as ik ph

Options :

68634085677. 1

68634085678. 2

68634085679. 3

68634085680. 4

Question Number : 21 Question Id : 68634021686 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

A single 6-sided dice is rolled, then the probability of getting an odd number is -

1. $\frac{1}{2}$
2. $\frac{1}{3}$
3. $\frac{1}{6}$
4. $\frac{1}{12}$

Options :

- 68634085681. 1
- 68634085682. 2
- 68634085683. 3
- 68634085684. 4

Question Number : 21 Question Id : 68634021686 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

A single 6-sided dice is rolled, then the probability of getting an odd number is -

1. $\frac{1}{2}$
2. $\frac{1}{3}$
3. $\frac{1}{6}$
4. $\frac{1}{12}$

Options :

- 68634085681. 1
- 68634085682. 2
- 68634085683. 3
- 68634085684. 4

Question Number : 22 Question Id : 68634021687 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

In a class of 49 students, the ratio of girls to boys is 4:3. If 4 girls leave the class, the ratio of girls to boys would be -

1. 7:9
2. 7:8
3. 8:7
4. 8:9

Options :

- 68634085685. 1
- 68634085686. 2
- 68634085687. 3
- 68634085688. 4

Question Number : 22 Question Id : 68634021687 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

In a class of 49 students, the ratio of girls to boys is 4:3. If 4 girls leave the class, the ratio of girls to boys would be -

- 1. 7:9
- 2. 7:8
- 3. 8:7
- 4. 8:9

Options :

- 68634085685. 1
- 68634085686. 2
- 68634085687. 3
- 68634085688. 4

Question Number : 23 Question Id : 68634021688 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

If income of A is 20% more than that of B, then income of B is how much percent less than that of A?

- 1. 10%
- 2. 20%
- 3. $16\frac{3}{2}\%$
- 4. $16\frac{2}{3}\%$

Options :

- 68634085689. 1
- 68634085690. 2
- 68634085691. 3
- 68634085692. 4

Question Number : 23 Question Id : 68634021688 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

If income of A is 20% more than that of B, then income of B is how much percent less than that of A?

1. 10%
2. 20%
3. $16\frac{3}{2}\%$
4. $16\frac{2}{3}\%$

Options :

- 68634085689. 1
- 68634085690. 2
- 68634085691. 3
- 68634085692. 4

Question Number : 24 Question Id : 68634021689 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The average of 5 consecutive odd positive integers is 9. Then sum of smallest and greatest number is -

1. 4
2. 5
3. 18
4. 13

Options :

- 68634085693. 1
- 68634085694. 2
- 68634085695. 3
- 68634085696. 4

Question Number : 24 Question Id : 68634021689 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The average of 5 consecutive odd positive integers is 9. Then sum of smallest and greatest number is -

1. 4
2. 5
3. 18
4. 13

Options :

- 68634085693. 1

68634085694. 2

68634085695. 3

68634085696. 4

Question Number : 25 Question Id : 68634021690 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If $2.5x = 0.05y$, then find the value of $\left(\frac{y-x}{y+x}\right)$.

1. $\frac{49}{51}$

2. $\frac{49}{51}$

3. $\frac{50}{51}$

4. $\frac{1}{51}$

Options :

68634085697. 1

68634085698. 2

68634085699. 3

68634085700. 4

Question Number : 25 Question Id : 68634021690 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If $2.5x = 0.05y$, then find the value of $\left(\frac{y-x}{y+x}\right)$.

1. $\frac{49}{51}$

2. $\frac{49}{51}$

3. $\frac{50}{51}$

4. $\frac{1}{51}$

Options :

68634085697. 1

68634085698. 2

68634085699. 3

Part B: Water Engineering and Management

Section Id :	686340430
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	686340709
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 68634021691 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

If the stream function equation $\psi = 3x^2 - y^2$, what is the magnitude of velocity at point (2,2)?

1. 9
2. 13
3. 15
4. 17

Options :

68634085701. 1
68634085702. 2
68634085703. 3
68634085704. 4

Question Number : 26 Question Id : 68634021691 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

यदि धारा फलन $\psi = 3x^2 - y^2$ है, तो बिंदु (2,2) पर वेग का परिमाण क्या है ?

1. 9
2. 13
3. 15
4. 17

Options :

68634085701. 1
68634085702. 2
68634085703. 3
68634085704. 4

**Question Number : 27 Question Id : 68634021692 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Which of the following Aggregates gives the maximum strength in the concrete.

1. Rounded aggregate
2. Elongated aggregate
3. Flaky aggregate
4. Cubical aggregate

Options :

68634085705. 1
68634085706. 2
68634085707. 3
68634085708. 4

**Question Number : 27 Question Id : 68634021692 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

निम्नलिखित में से कौन सा प्रस्तर मिश्रण कंक्रीट को अधिकतम प्रबलता प्रदान करता है ?

1. गोल
2. लम्बे / दीर्घित
3. परतदार
4. घनीय

Options :

68634085705. 1
68634085706. 2
68634085707. 3
68634085708. 4

**Question Number : 28 Question Id : 68634021693 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

Pascal- second is the unit of

1. Pressure
2. Kinematic viscosity
3. Dynamic viscosity
4. Surface tension

Options :

68634085709. 1
68634085710. 2
68634085711. 3
68634085712. 4

Question Number : 28 Question Id : 68634021693 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित विकल्पों में से पास्कल सेकंड किसकी इकाई है ?

1. दाब/दबाव (Pressure)
2. शुद्धगतिकीय श्यानता(Kinematic viscosity)
3. गतिक श्यानता(Dynamic viscosity)
4. पृष्ठ तनाव (Surface tension)

Options :

68634085709. 1
68634085710. 2
68634085711. 3
68634085712. 4

Question Number : 29 Question Id : 68634021694 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If the dynamic viscosity of a fluid is 0.5 poise and specific gravity is 0.5, then the kinematic viscosity of that fluid in strokes is

1. 0.25
2. 0.50
3. 1.0
4. 2.0

Options :

68634085713. 1
68634085714. 2

68634085715. 3

68634085716. 4

Question Number : 29 Question Id : 68634021694 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक द्रव्य की गतिक श्यानता 0.5 पाइज़ है और आपेक्षिक घनत्व 0.5 है तो स्टॉक्स में इसकी गतिक श्यानता क्या होगी ?

1. 0.25

2. 0.50

3. 1.0

4. 2.0

Options :

68634085713. 1

68634085714. 2

68634085715. 3

68634085716. 4

Question Number : 30 Question Id : 68634021695 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A vertical triangular area with vertex downward and attitude 'h' has its base lying on the free surface of a liquid. The center of pressure below the free surface is at distance of

1. $h/4$

2. $h/3$

3. $h/2$

4. $2h/3$

Options :

68634085717. 1

68634085718. 2

68634085719. 3

68634085720. 4

Question Number : 30 Question Id : 68634021695 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक उर्ध्वार्धर त्रिकोणीय क्षेत्र जिसका शीर्ष नीचे की ओर, ऊँचाई 'h' है तथा आधार द्रव्य की मुक्ति सतह पर स्थित है। मुक्त सतह के नीचे दबाव का केन्द्र कितनी दूरी पर होगा :-

1. $h/4$
2. $h/3$
3. $h/2$
4. $2h/3$

Options :

68634085717. 1
68634085718. 2
68634085719. 3
68634085720. 4

Question Number : 31 Question Id : 68634021696 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The maximum bulking of sand is likely to occur at a moisture content of

1. 5%
2. 8%
3. 11%
4. 14%

Options :

68634085721. 1
68634085722. 2
68634085723. 3
68634085724. 4

Question Number : 31 Question Id : 68634021696 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा में नमी का वह प्रतिशत क्या है जिस पर स्थूलन अधिकतम होने की संभावना है ?

1. 5%
2. 8%
3. 11%
4. 14%

Options :

68634085721. 1
68634085722. 2

68634085723. 3

68634085724. 4

Question Number : 32 Question Id : 68634021697 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Surface tension of water

1. Increase with decrease in temperature.
2. Decrease with decrease in temperature
3. Increase with increase in temperature
4. Is independent of temperature

Options :

68634085725. 1

68634085726. 2

68634085727. 3

68634085728. 4

Question Number : 32 Question Id : 68634021697 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जलीय पृष्ठी तनाव ,

1. तापमान में कमी के साथ बढ़ता है।
2. तापमान में कमी के साथ घटता है।
3. तापमान में वृद्धि के साथ बढ़ता है।
4. तापमान पर निर्भर नहीं करता।

Options :

68634085725. 1

68634085726. 2

68634085727. 3

68634085728. 4

Question Number : 33 Question Id : 68634021698 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In cement, generally the increase in strength during a period of 14 days to 28 days is primarily due to

1. C₃A
2. C₂S
3. C₃S
4. C₄AF

Options :

68634085729. 1
68634085730. 2
68634085731. 3
68634085732. 4

Question Number : 33 Question Id : 68634021698 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

आम तौर पर 14 दिन में 28 दिनों की अवधि के दौरान सीमेंट की ताकत में वृद्धि मुख्य रूप से निम्नलिखित में से किस कारण से होती है

1. C₃A
2. C₂S
3. C₃S
4. C₄AF

Options :

68634085729. 1
68634085730. 2
68634085731. 3
68634085732. 4

Question Number : 34 Question Id : 68634021699 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Centre of buoyancy always

1. Coincides with the centre of gravity.
2. Coincides with the centroid of the volume of fluid displaced.
3. Remains above the centre of gravity.
4. Remains below the centre of gravity.

Options :

68634085733. 1

68634085734. 2

68634085735. 3

68634085736. 4

Question Number : 34 Question Id : 68634021699 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उत्पलावन केंद्र के लिए निम्नलिखित में से क्या सही है ?

1. गुरुत्वाकर्षण के केंद्र से सम्पाती होता है।
2. विस्थापित द्रव्य की मात्रा के केन्द्रक के साथ सम्पाती होता है।
3. गुरुत्वाकर्षण के केंद्र से ऊपर स्थित होता है।
4. गुरुत्वाकर्षण के केंद्र के नीचे स्थित होता है।

Options :

68634085733. 1

68634085734. 2

68634085735. 3

68634085736. 4

Question Number : 35 Question Id : 68634021700 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The proper size of mould for testing compressive strength of cement is

1. 7.05 cm³
2. 10.05 cm³
3. 15 cm³
4. 12.05 cm³

Options :

68634085737. 1

68634085738. 2

68634085739. 3

68634085740. 4

Question Number : 35 Question Id : 68634021700 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सीमेंट के संपीडन सामर्थ्य का परीक्षण करने के लिए एक साँचे का उचित आकार क्या है:-

1. 7.05 cm^3
2. 10.05 cm^3
3. 15 cm^3
4. 12.05 cm^3

Options :

68634085737. 1
68634085738. 2
68634085739. 3
68634085740. 4

Question Number : 36 Question Id : 68634021701 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

How high should a helicopter Pilot rise at a point A just to see the horizon at point B, if the distance AB is 40 km?

1. 101.75 m
2. 110.50 m
3. 107.68 m
4. 105.50 m

Options :

68634085741. 1
68634085742. 2
68634085743. 3
68634085744. 4

Question Number : 36 Question Id : 68634021701 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि दूरी 'AB' 40 km है , तो बिंदु 'B' पर क्षितिज देखने के लिए एक हेलीकॉप्टर पायलट को एक बिंदु 'A' पर कितनी ऊँचाई तक उठना चाहिए:-

1. 101.75 m
2. 110.50 m
3. 107.68 m
4. 105.50 m

Options :

68634085741. 1
68634085742. 2
68634085743. 3
68634085744. 4

Question Number : 37 Question Id : 68634021702 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which one of the following methods of computing area assumes that the short length of the boundary between the ordinates are parabolic arc?

1. Average ordinate Rule
2. Middle ordinate Rule
3. Simpson's Rule
4. Trapezoidal Rule

Options :

68634085745. 1
68634085746. 2
68634085747. 3
68634085748. 4

Question Number : 37 Question Id : 68634021702 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

क्षेत्रफल की गणना करने की निम्नलिखित विधियों में से कौन सी विधि इस धारणा पर आधारित है कि निर्देशांक के बीच की सीमा की छोटी लम्बाई परवलयिक होता है :-

1. औसत समन्वय नियम
2. मध्य समन्वय नियम
3. सिम्पसन का नियम
4. ट्रैपिज़ॉइडल नियम

Options :

68634085745. 1
68634085746. 2
68634085747. 3
68634085748. 4

Question Number : 38 Question Id : 68634021703 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If fore bearing of a line is $S49^{\circ}52' E$ (assuming there no local attraction), the back bearing of the line will be

1. $S52^{\circ}49' E$
2. $S49^{\circ}52' E$
3. $N49^{\circ}08' E$
4. $N49^{\circ}52' W$

Options :

68634085749. 1
68634085750. 2
68634085751. 3
68634085752. 4

Question Number : 38 Question Id : 68634021703 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि किसी रेखा का अग्रगामी प्रभाव $S49^{\circ}52' E$ है, (मान लें कि कोई स्थानीय आकर्षण नहीं है) तो उसका पश्चगामी प्रभाव निम्न में से क्या होगा ?

1. $S52^{\circ}49' E$
2. $S49^{\circ}52' E$
3. $N49^{\circ}08' E$
4. $N49^{\circ}52' W$

Options :

68634085749. 1
68634085750. 2
68634085751. 3
68634085752. 4

Question Number : 39 Question Id : 68634021704 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What is the minimum number of satellites required from which signals can be recorded to enable a global positioning system receiver to determine latitude, longitude and altitude?

1. One
2. Two
3. Three
4. Four

Options :

68634085753. 1
68634085754. 2

68634085755. 3

68634085756. 4

Question Number : 39 Question Id : 68634021704 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

अक्षांश, देशांतर और ऊँचाई निर्धारित करने के लिए ग्लोबल पोजिशनिंग सिस्टम रिसिवर से संकेतों को रिकॉर्ड करने के लिए आवश्यक उपग्रहों की न्यूनतम संख्या क्या होती है ?

1. एक

2. दो

3. तीन

4. चार

Options :

68634085753. 1

68634085754. 2

68634085755. 3

68634085756. 4

Question Number : 40 Question Id : 68634021705 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The method of flame testing commonly used for establishing the instrument station is the method of

1. Radiation

2. Intersection

3. Resection

4. Traversing

Options :

68634085757. 1

68634085758. 2

68634085759. 3

68634085760. 4

Question Number : 40 Question Id : 68634021705 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उपकरण केंद्र की स्थापना के लिए आमतौर पर उपयोग की जाने वाली "सर्वेक्षण पट्ट" विधि है :-

1. विकिरण
2. प्रतिच्छेदन
3. उच्छेदन
4. चक्रमण

Options :

68634085757. 1
68634085758. 2
68634085759. 3
68634085760. 4

Question Number : 41 Question Id : 68634021706 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A scale of 1 inch = 50 ft is mentioned on an old map. What is the corresponding equivalent scale?

1. 1cm = 5m
2. 1cm = 6m
3. 1cm = 10m
4. 1cm = 12m

Options :

68634085761. 1
68634085762. 2
68634085763. 3
68634085764. 4

Question Number : 41 Question Id : 68634021706 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक पुराने नक्शे पर यह उल्लेख किया गया है कि 1 इंच 50 फीट के बराबर है, सम्बंधित समकक्ष पैमाना क्या होगा ?

1. 1cm = 5m
2. 1cm = 6m
3. 1cm = 10m
4. 1cm = 12m

Options :

68634085761. 1
68634085762. 2

68634085763. 3

68634085764. 4

Question Number : 42 Question Id : 68634021707 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What is the volume of a 6m deep tank having Rectangular shaped top 6m X 4m and bottom 4m X 2m (computed through the use of Prismoidal formula)?

1. 96 m^3

2. 94 m^3

3. 92 m^3

4. 90 m^3

Options :

68634085765. 1

68634085766. 2

68634085767. 3

68634085768. 4

Question Number : 42 Question Id : 68634021707 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

प्रिज्मॉइडल सूत्र का उपयोग करके , एक 6 मीटर गहरी का आयताकार टंकी का आयतन क्या होगा यदि ऊपरी सतह का नाप 6m X 4m है तथा तल का आयाम 4m X 2m है -

1. 96 m^3

2. 94 m^3

3. 92 m^3

4. 90 m^3

Options :

68634085765. 1

68634085766. 2

68634085767. 3

68634085768. 4

Question Number : 43 Question Id : 68634021708 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A close contour line with two or more higher contours inside it will represent a

1. Depression
2. Hill
3. Cave
4. Well

Options :

68634085769. 1
68634085770. 2
68634085771. 3
68634085772. 4

Question Number : 43 Question Id : 68634021708 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

दो या दो से अधिक परिरेखाओं वाली बंद समोच्च रेखा क्या दर्शाती है ?

1. अवनमन
2. टीला/पहाड़
3. कन्दरा
4. कुआँ

Options :

68634085769. 1
68634085770. 2
68634085771. 3
68634085772. 4

Question Number : 44 Question Id : 68634021709 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Offsets are

1. Lateral measurements made with respect to main survey lines
2. Perpendicular erected from chain lines
3. Taken to avoid unnecessary walking between stations
4. Measurements which are not made at right angles to the chain line

Options :

68634085773. 1
68634085774. 2

68634085775. 3

68634085776. 4

Question Number : 44 Question Id : 68634021709 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

क्षैतिज विस्थापन /अंतलंब/ऑफसेट निम्न में से क्या है ?

1. मुख्य सर्वेक्षण लाइनों के संबंध में किए गए पार्श्वमाप
2. जरीब रेखा से बनाया गया लम्बवत
3. स्टेशनों के बीच अनावश्यक चलने से बचने के लिए
4. माप जो श्रंखला रेखा /ज़रीब रेखा के समकोण पर नहीं किये जाते हैं।

Options :

68634085773. 1

68634085774. 2

68634085775. 3

68634085776. 4

Question Number : 45 Question Id : 68634021710 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

For the design of a cast iron member, the most appropriate theory of failure is

1. Mohr's theory
2. Rankine's theory
3. Maximum stress theory
4. Maximum Shear Energy theory

Options :

68634085777. 1

68634085778. 2

68634085779. 3

68634085780. 4

Question Number : 45 Question Id : 68634021710 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कच्चा लौह दल के सदस्य को डिज़ाइन करने में उपयुक्त विफलता का सबसे उपयुक्त सिद्धांत क्या है ?

1. मोहर का सिद्धांत (Mohr's theory)
2. रैंकिन सिद्धांत (Rankine's theory)
3. अधिकतम प्रतिबल सिद्धांत (Maximum stress theory)
4. अधिकतम अपरूपण उर्जा सिद्धांत (Maximum Shear Energy theory)

Options :

68634085777. 1
68634085778. 2
68634085779. 3
68634085780. 4

Question Number : 46 Question Id : 68634021711 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which one of the following related to determination of critical path in PERT

1. Event oriented slack
2. Activity oriented slack
3. Event oriented float
4. Activity oriented float

Options :

68634085781. 1
68634085782. 2
68634085783. 3
68634085784. 4

Question Number : 46 Question Id : 68634021711 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प PERT में 'क्रांतिक पथ' के निर्धारण से सम्बंधित है ?

1. स्थिति अभिविन्यस्त मंदा
2. सक्रियता /क्रिया अभिविन्यस्त मंदा
3. स्थिति अभिविन्यस्त प्लव
4. सक्रियता /क्रिया अभिविन्यस्त प्लव

Options :

68634085781. 1
68634085782. 2

68634085783. 3

68634085784. 4

Question Number : 47 Question Id : 68634021712 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

According to maximum Shear stress failure theory, yielding occur in the material when

1. Maximum Shear Stress = yield stress
2. Maximum Shear Stress = 2 times yield stress
3. Maximum Shear Stress = 1/2 times Yield Stress
4. Maximum Shear Stress = $\sqrt{2}$ times yield stress

Options :

68634085785. 1

68634085786. 2

68634085787. 3

68634085788. 4

Question Number : 47 Question Id : 68634021712 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

अधिकतम अपरूपण प्रतिबल विफलन सिद्धांत के अनुसार किसी द्रव्य में सुनम्यता तब होती है ,जब

1. अधिकतम अपरूपण प्रतिबल= पराभव प्रतिबल
2. अधिकतम अपरूपण प्रतिबल=पराभव प्रतिबल का दोगुना
3. अधिकतम अपरूपण प्रतिबल= $\frac{1}{2}$ पराभव प्रतिबल
4. अधिकतम अपरूपण प्रतिबल= $\sqrt{2}$ पराभव प्रतिबल

Options :

68634085785. 1

68634085786. 2

68634085787. 3

68634085788. 4

Question Number : 48 Question Id : 68634021713 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which one of the following project management techniques is deterministic in nature

1. CPM
2. PERT
3. GERT
4. LCES

Options :

- 68634085789. 1
- 68634085790. 2
- 68634085791. 3
- 68634085792. 4

Question Number : 48 Question Id : 68634021713 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सी परियोजना प्रबंधन तकनीक नियतात्मक प्रकृति की है :-

1. CPM
2. PERT
3. GERT
4. LCES

Options :

- 68634085789. 1
- 68634085790. 2
- 68634085791. 3
- 68634085792. 4

Question Number : 49 Question Id : 68634021714 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In PERT Analysis, the time estimates of activities and probability of their occurrence follow

1. Normal distribution curve
2. P- distribution curve
3. Poisson's distribution curve
4. Binomial distribution curve

Options :

- 68634085793. 1
- 68634085794. 2
- 68634085795. 3

68634085796. 4

Question Number : 49 Question Id : 68634021714 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

PERT विश्लेषण में, गतिविधियों के समय अनुमान और उनके होने की सम्भावना के मध्य कौन सा वक्र बनता है ?

1. प्रसामान्य बंटन वक्र
2. β -बंटन वक्र
3. पॉइज़न का वितरण वक्र (Poisson's)
4. द्विपदयुक्त बंटन वक्र

Options :

- 68634085793. 1
- 68634085794. 2
- 68634085795. 3
- 68634085796. 4

Question Number : 50 Question Id : 68634021715 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

A cantilever beam of T cross-section carries uniformly distributed load. Where does the maximum magnitude of the bending stress occur?

1. At the top of the cross-section
2. At the junction of flange and web
3. At the mid depth point
4. At the bottom of the section

Options :

- 68634085797. 1
- 68634085798. 2
- 68634085799. 3
- 68634085800. 4

Question Number : 50 Question Id : 68634021715 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

अगर एक ब्रैकेट बीम/प्रासधरण का अनुप्रस्थ काट (cross-section) T है, और यह समान रूप से वितरित भार वहन करता है, तो बंकन तनाव (bending stress) का अधिकतम परिमाण कहाँ होगा ?

1. अनुप्रस्थ काट के शीर्ष पर
2. अग्रिव और जाल के समागम बिंदु पर
3. मध्य /अर्ध गहराई बिंदु पर
4. खंड के तल पर

Options :

- 68634085797. 1
- 68634085798. 2
- 68634085799. 3
- 68634085800. 4

Question Number : 51 Question Id : 68634021716 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Slack time in PERT Analysis

1. Can never be greater than zero
2. Is always zero for critical activities
3. Can never be less than zero
4. Is minimum for critical events

Options :

- 68634085801. 1
- 68634085802. 2
- 68634085803. 3
- 68634085804. 4

Question Number : 51 Question Id : 68634021716 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

PERT के सन्दर्भ में "सुस्त समय" के लिए निम्न में से क्या सही है ?

1. कभी भी शून्य से बड़ा नहीं हो सकता।
2. समीक्षात्मक कार्यों के लिए हमेशा शून्य होता है।
3. कभी भी शून्य से छोटा नहीं हो सकता।
4. विकत स्थितियों के लिए न्यूनतम होता है।

Options :

- 68634085801. 1

68634085802. 2

68634085803. 3

68634085804. 4

Question Number : 52 Question Id : 68634021717 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Find the ratio of moment carrying capacity of a circular beam of diameter D and square beam of size D.

1. $\frac{\pi}{4}$

2. $\frac{3\pi}{8}$

3. $\frac{\pi}{3}$

4. $\frac{3\pi}{16}$

Options :

68634085805. 1

68634085806. 2

68634085807. 3

68634085808. 4

Question Number : 52 Question Id : 68634021717 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा संबंध व्यास "D" के एक गोलाकार बीम और आकार 'D' के एक वर्गाकार बीम की आघूर्ण संवहन क्षमता का सही अनुपात दर्शाता है :-

1. $\frac{\pi}{4}$

2. $\frac{3\pi}{8}$

3. $\frac{\pi}{3}$

4. $\frac{3\pi}{16}$

Options :

68634085805. 1

68634085806. 2

68634085807. 3

68634085808. 4

Question Number : 53 Question Id : 68634021718 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

For the analysis of thick cylinder, the theory applicable is:

1. Lamé's theory
2. Rankine's theory
3. Poisson's theory
4. Courbon's theory

Options :

- 68634085809. 1
- 68634085810. 2
- 68634085811. 3
- 68634085812. 4

Question Number : 53 Question Id : 68634021718 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

ठोस बेलन के विश्लेषण के लिए निम्नलिखित में से कौन सा सिद्धांत लागू होता है ?

1. (Lamé's) लेमी का सिद्धांत
2. (Rankine's) रैकिन का सिद्धांत
3. (Poisson's) प्वाइज़न का सिद्धांत
4. (Courbon's) कार्बन का सिद्धांत

Options :

- 68634085809. 1
- 68634085810. 2
- 68634085811. 3
- 68634085812. 4

Question Number : 54 Question Id : 68634021719 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Inorganic soil with low compressibility are represented by

1. MH
2. SL
3. ML
4. LH

Options :

68634085813. 1
68634085814. 2
68634085815. 3
68634085816. 4

**Question Number : 54 Question Id : 68634021719 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा पद कम संपीड्यता वाली अकार्बनिक मृदा प्रतिनिधित्व करता है ?

1. MH
2. SL
3. ML
4. LH

Options :

68634085813. 1
68634085814. 2
68634085815. 3
68634085816. 4

**Question Number : 55 Question Id : 68634021720 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

The critical hydraulic gradient (i_c) of a soil mass of specific gravity (G) and void ratio (e) is given by

1. $i_c = \frac{G+1}{1-e}$

2. $i_c = \frac{G-1}{1+e}$

3. $i_c = \frac{G+1}{1+e}$

4. $i_c = \frac{G-1}{1-e}$

Options :

- 68634085817. 1
- 68634085818. 2
- 68634085819. 3
- 68634085820. 4

Question Number : 55 Question Id : 68634021720 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एक मृदा पुंज जिसका आपेक्षित घनत्व (G) है तथा रिक्ति अनुपात (e) है , उसकी क्रांतिक द्रवचालित प्रवणता (i_c) क्या होगी ?

1. $i_c = \frac{G+1}{1-e}$

2. $i_c = \frac{G-1}{1+e}$

3. $i_c = \frac{G+1}{1+e}$

4. $i_c = \frac{G-1}{1-e}$

Options :

- 68634085817. 1
- 68634085818. 2
- 68634085819. 3
- 68634085820. 4

Question Number : 56 Question Id : 68634021721 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Uniformity coefficient of a soil is

1. Always less than 1
2. Always equal to 1
3. Equal to or less than 1
4. Equal to or greater than 1

Options :

68634085821. 1
68634085822. 2
68634085823. 3
68634085824. 4

Question Number : 56 Question Id : 68634021721 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा का समरूपता गुणांक है :-

1. सदैव 1 से कम
2. सदैव 1 के बराबर
3. एक के बराबर या उससे कम
4. एक के बराबर या उससे ज्यादा

Options :

68634085821. 1
68634085822. 2
68634085823. 3
68634085824. 4

Question Number : 57 Question Id : 68634021722 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

In a wet soil mass, air occupies one-sixth of its volume and water occupies one-third of its volume. The void ratio of the soil is

1. 0.25
2. 0.50
3. 0.75
4. 1.00

Options :

68634085825. 1

68634085826. 2

68634085827. 3

68634085828. 4

Question Number : 57 Question Id : 68634021722 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि हवा एक गीले मृदा पुंज के आयतन का छठा भाग घेरती है और पानी इसके आयतन का एक तिहाई भाग घेरता है तो मृदा पुंज का रिक्ति अनुपात क्या होगा ?

1. 0.25

2. 0.50

3. 0.75

4. 1.00

Options :

68634085825. 1

68634085826. 2

68634085827. 3

68634085828. 4

Question Number : 58 Question Id : 68634021723 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The soil sample A and B have porosity $n_A = 40\%$ and $n_B = 60\%$ respectively. What is the ratio of void ration $e_A : e_B$?

1. 2:3

2. 3:2

3. 4:9

4. 9:4

Options :

68634085829. 1

68634085830. 2

68634085831. 3

68634085832. 4

Question Number : 58 Question Id : 68634021723 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि मृदा के दो नमूनों A और B की सरंग्रता $n_A = 40\%$ तथा $n_B = 60\%$ है, तो उनके रिक्ति अनुपात का अनुपात ($e_A : e_B$) क्या होगा ?

1. 2:3
2. 3:2
3. 4:9
4. 9:4

Options :

68634085829. 1
68634085830. 2
68634085831. 3
68634085832. 4

Question Number : 59 Question Id : 68634021724 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The predominant mineral responsible for shrinkage and swelling in black soil is

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

Options :

68634085833. 1
68634085834. 2
68634085835. 3
68634085836. 4

Question Number : 59 Question Id : 68634021724 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

काली कपासी मृदा में संकुचन एवं फुल्लन के लिए उत्तरदायी प्रमुख खनिज क्या है ?

1. इलाइट
2. खाड़िता
3. अभ्रक
4. मॉन्टमॉरिलोनाइट

Options :

68634085833. 1

68634085834. 2

68634085835. 3

68634085836. 4

Question Number : 60 Question Id : 68634021725 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The collapsible soil is associated with

1. Dune sands
2. Laterite soils
3. Loess
4. Black cotton soils

Options :

68634085837. 1

68634085838. 2

68634085839. 3

68634085840. 4

Question Number : 60 Question Id : 68634021725 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

संकोच्य/निपात्य मृदा किस से सम्बंधित है :-

1. टिब्बा रेत
2. लेटराइट मृदा /मखराला
3. चिकनी मिट्टी
4. काली कपासी मृदा /जलोढ़/कछारी मिट्टी

Options :

68634085837. 1

68634085838. 2

68634085839. 3

68634085840. 4

Question Number : 61 Question Id : 68634021726 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A soil sample having a void ratio of 1.3, water content of 50% and a specific gravity of 2.60, is in a state of

1. Partial saturation
2. full saturation
3. Over saturation
4. Under saturation

Options :

- 68634085841. 1
- 68634085842. 2
- 68634085843. 3
- 68634085844. 4

Question Number : 61 Question Id : 68634021726 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक मृदा के नमूने को रिक्ति अनुपात 1.3, जलीय मात्रा 50 प्रतिशत एवं आपेक्षिक घनत्व 2.60 है, तो उसकी निम्नलिखित में से दशा क्या होगी ?

1. आंशिक संतृप्ति
2. पूर्ण संतृप्ति
3. पर संतृप्ति
4. न्यून संतृप्ति

Options :

- 68634085841. 1
- 68634085842. 2
- 68634085843. 3
- 68634085844. 4

Question Number : 62 Question Id : 68634021727 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A soil has a liquid limit of 40% and plasticity index of 20%. The Plastic limit of the soil will be

1. 20%
2. 30%
3. 40%
4. 60%

Options :

- 68634085845. 1

68634085846. 2
68634085847. 3
68634085848. 4

Question Number : 62 Question Id : 68634021727 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा के एक नमूने की द्रव सीमा 40 प्रतिशत और सुघट्यता सूचक 20% है। इसकी सुघट्यता सीमा क्या होगी ?

1. 20%
2. 30%
3. 40%
4. 60%

Options :

68634085845. 1
68634085846. 2
68634085847. 3
68634085848. 4

Question Number : 63 Question Id : 68634021728 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The liquid limit and Plastic limit of sample are 65% and 29% respectively. The percentage of soil fraction with grain size finer than 0.002 mm is 24. The activity of soil sample is.

1. 0.50
2. 1.00
3. 1.50
4. 2.00

Options :

68634085849. 1
68634085850. 2
68634085851. 3
68634085852. 4

Question Number : 63 Question Id : 68634021728 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक नमूने की तरलता सीमा तथा सुघट्यता सीमा क्रमशः 65% और 29% है , 0.002 मिमी से छोटे कणों वाली मिट्टी के अंश का प्रतिशत 24 है तो मृदा के इस नमूने की सक्रियता क्या होगी ?

1. 0.50
2. 1.00
3. 1.50
4. 2.00

Options :

68634085849. 1
68634085850. 2
68634085851. 3
68634085852. 4

Question Number : 64 Question Id : 68634021729 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The run off increases with

1. Increase in intensity of rain
2. Increase in infiltration capacity
3. Increase in permeability of soil
4. Decrease in intensity of rain

Options :

68634085853. 1
68634085854. 2
68634085855. 3
68634085856. 4

Question Number : 64 Question Id : 68634021729 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

'अपवाह'(Runoff) के लिए कौन सा विकल्प निम्न में से सही है ?

1. वर्षा की तीव्रता में वृद्धि के साथ बढ़ता है।
2. अन्तः स्पंदन क्षमता के साथ बढ़ता है।
3. मृदा की पारगम्यता के साथ बढ़ता है।
4. वर्षा की तीव्रता में कमी के साथ बढ़ता है।

Options :

68634085853. 1

68634085854. 2
68634085855. 3
68634085856. 4

**Question Number : 65 Question Id : 68634021730 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

Majority of rainfall in India is contributed by:-

1. North East monsoon
2. South West monsoon
3. Pre monsoon rain
4. Post monsoon rain

Options :

68634085857. 1
68634085858. 2
68634085859. 3
68634085860. 4

**Question Number : 65 Question Id : 68634021730 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

भारत में होने वाली वर्षा में अधिकांश योगदान निम्न में से किसका है ?

1. उत्तर पूर्वी मॉनसून
2. दक्षिण पश्चिमी मॉनसून
3. पूर्व मॉनसून वर्षा
4. मॉनसूनोत्तर वर्षा

Options :

68634085857. 1
68634085858. 2
68634085859. 3
68634085860. 4

**Question Number : 66 Question Id : 68634021731 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

Correct Marks : 4 Wrong Marks : 1

Tropical cyclones develop as a result of balance between forces of

1. Pressure gradient force (P_n) and Centrifugal (C_f) force
2. (P_n) and coriolis force (C_n)
3. (C_f) and (C_h)
4. (C_h), (P_n) and frictional force

Options :

68634085861. 1
68634085862. 2
68634085863. 3
68634085864. 4

Question Number : 66 Question Id : 68634021731 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

उष्णकटिबंधीय चक्रवात निम्न में से कौन से बलों के बीच संतुलन के परिणामस्वरूप विकसित होते हैं ?

1. दाब प्रवणता बल (P_n) एवं अपकेंद्री बल (C_f)
2. दाब प्रवणता बल(P_n) एवं कोरिऑलिस बल (C_n)
3. अपकेंद्री बल (C_f) एवं कोरिऑलिस बल (C_h)
4. कोरिऑलिस (C_h), दाब प्रवणता (P_n) एवं घर्षण बल

Options :

68634085861. 1
68634085862. 2
68634085863. 3
68634085864. 4

Question Number : 67 Question Id : 68634021732 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following represents the correct order of processes involved in sedimentary rock formation?

- A. Erosion
- B. Weathering
- C. Compaction
- D. Cementation
- E. Deposition

Choose the correct answer from the options given below:

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

Options :

- 68634085865. 1
- 68634085866. 2
- 68634085867. 3
- 68634085868. 4

Question Number : 67 Question Id : 68634021732 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प अवसादी चट्टानों के निर्माण में शामिल प्रक्रियाओं के सही क्रम का प्रतिनिधित्व करता है ?

- A. अपरदन
- B. अपक्षण
- C. संघनन
- D. संयोजन
- E. निक्षेपण

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

Options :

- 68634085865. 1
- 68634085866. 2
- 68634085867. 3
- 68634085868. 4

Question Number : 68 Question Id : 68634021733 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
Geological events		Processes	
A.	Exfoliation dome	I.	Landform change
B.	Rift valley	II.	Ultisols
C.	Palaeomagnetism	III.	Mechanical Weathering
D.	Pedogenesis	IV.	Seafloor spreading

Choose the correct answer from the options given below:

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

Options :

68634085869. 1
68634085870. 2
68634085871. 3
68634085872. 4

Question Number : 68 Question Id : 68634021733 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I(भूगर्भीय घटना)		सूची II(प्रक्रिया)	
A.	अपशल्कन गुम्बद	I.	स्थलाकृति में बदलाव
B.	विभ्रंश घाटी	II.	अल्टीसोल
C.	पुराचुम्बकत्व	III.	यांत्रिक अपक्षण
D.	मृदा जनन	IV.	समुद्रतल परिक्षेप

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634085869. 1
68634085870. 2
68634085871. 3

68634085872. 4

Question Number : 69 Question Id : 68634021734 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following equipment is related to dairy?

1. Thresher
2. Lactometer
3. Cane Planter
4. Winnower

Options :

68634085873. 1
68634085874. 2
68634085875. 3
68634085876. 4

Question Number : 69 Question Id : 68634021734 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा उपकरण डेयरी से सम्बंधित है ?

1. थ्रेशर (Thresher)
2. लैक्टोमीटर (Lactometer)
3. केन प्लान्टर (Cane Planter)
4. विनोअर(Winnower)

Options :

68634085873. 1
68634085874. 2
68634085875. 3
68634085876. 4

Question Number : 70 Question Id : 68634021735 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

How many agroclimatic and ecological zones have been classified by ICAR, respectively:-

1. 8 and 131
2. 131 and 8
3. 15 and 131
4. 21 and 15

Options :

68634085877. 1
68634085878. 2
68634085879. 3
68634085880. 4

Question Number : 70 Question Id : 68634021735 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

भारतीय कृषि अनुसन्धान परिषद (ICAR) के द्वारा क्रमशः कितने कृषि जलवायवी एवं पर्यावरणीय अनुक्षेत्र वर्गीकृत किए गए हैं ?

1. 8 और 131
2. 131 और 8
3. 15 और 131
4. 21 और 15

Options :

68634085877. 1
68634085878. 2
68634085879. 3
68634085880. 4

Question Number : 71 Question Id : 68634021736 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The microbial utilization of organics is

1. First order reaction
2. Second order reaction
3. Third order reaction
4. Quarternary reaction

Options :

68634085881. 1

68634085882. 2
68634085883. 3
68634085884. 4

Question Number : 71 Question Id : 68634021736 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

कार्बनिक यौगिकों सुक्ष्मजैविक समप्रयोग निम्न में से किस प्रकार की अभिक्रिया है ?

1. प्रथम कोटि की
2. द्वितीय कोटि की
3. तृतीय कोटि की
4. चतुर्थ कोटि की

Options :

68634085881. 1
68634085882. 2
68634085883. 3
68634085884. 4

Question Number : 72 Question Id : 68634021737 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements; one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: Sandy soil helps promote good drainage and aeration.

Reason R: Sandy soils particles have size in the range 0.05 - 2.0mm.

In the light of the above statements, choose the **most appropriate** answer from the options given below

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

Options :

68634085885. 1
68634085886. 2
68634085887. 3
68634085888. 4

Question Number : 72 Question Id : 68634021737 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं: एक अभिकथन (ASSERTION A) के रूप में लिखित है तो दूसरा उसके कारण (REASON R) के रूप में; अभिकथन A :रेतीली मिट्टी जलनिकासी और वातन को बढ़ावा देती है।

कारण R :रेतीली मिट्टी के कणों का आकार 0.05 से 2.0 mm के बीच होता है।

उपरोक्त कथन के अलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए

1. A और R दोनों सही हैं और R, A की सही व्याख्या है
2. A और R दोनों सत्य हैं और R, A की सही व्याख्या नहीं है
3. A सत्य है लेकिन R असत्य है
4. A असत्य है लेकिन R सत्य है

Options :

- 68634085885. 1
- 68634085886. 2
- 68634085887. 3
- 68634085888. 4

Question Number : 73 Question Id : 68634021738 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Soil erosion by wind brings about the serious damage in soil by changing the

1. soil permeability
2. soil structure
3. soil texture
4. soil plasticity

Options :

- 68634085889. 1
- 68634085890. 2
- 68634085891. 3
- 68634085892. 4

Question Number : 73 Question Id : 68634021738 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

वायु द्वारा मृदा अपरदन निम्नलिखित में से किस को प्रभावित करके मृदा को गंभीर क्षति पहुंचाती है ?

1. मृदा की पारगम्यता
2. मृदा संरचना
3. मृदा गठन
4. मृदा सुघट्यता

Options :

68634085889. 1
68634085890. 2
68634085891. 3
68634085892. 4

Question Number : 74 Question Id : 68634021739 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which class of land should be used for pasture and forest?

1. Capability class VIII
2. Capability class II to VI
3. Capability class VI to VII
4. Capability class V to VIII

Options :

68634085893. 1
68634085894. 2
68634085895. 3
68634085896. 4

Question Number : 74 Question Id : 68634021739 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

चरागाह और जंगल के लिए प्रयुक्त भूमि का वर्ग निम्न में से क्या होगा ?

1. भूमि क्षमता वर्ग VIII
2. भूमि क्षमता वर्ग II से VI
3. भूमि क्षमता वर्ग VI से VIII
4. भूमि क्षमता वर्ग V से VII

Options :

68634085893. 1

68634085894. 2

68634085895. 3

68634085896. 4

Question Number : 75 Question Id : 68634021740 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Engine efficiencies are not indicated by

1. Thermal efficiency
2. Mechanical efficiency
3. Relative efficiency
4. Chemical efficiency

Options :

68634085897. 1

68634085898. 2

68634085899. 3

68634085900. 4

Question Number : 75 Question Id : 68634021740 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प इंजन दक्षता से सम्बंधित नहीं है ?

1. उष्मीय कार्यक्षमता /तापीय कार्यक्षमता
2. यांत्रिक कार्यक्षमता
3. सापेक्षित कार्यक्षमता
4. रासायनिक कार्यक्षमता

Options :

68634085897. 1

68634085898. 2

68634085899. 3

68634085900. 4

Question Number : 76 Question Id : 68634021741 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following does not hold true for Biodiesel:-

1. Monoalkyl ester
2. Methyl ester
3. Ethyl ester
4. Butyl ester

Options :

68634085901. 1
68634085902. 2
68634085903. 3
68634085904. 4

Question Number : 76 Question Id : 68634021741 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा विकल्प (बायोडीज़ल) से सम्बंधित नहीं है ?

1. (Monoalkyl ester) मोनोएल्किल एस्टर
2. (Methyl ester) मिथाइल एस्टर
3. (Ethyl ester) इथाइल एस्टर
4. (Butyl ester) ब्यूटाइल एस्टर

Options :

68634085901. 1
68634085902. 2
68634085903. 3
68634085904. 4

Question Number : 77 Question Id : 68634021742 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Given below are two statements; one is labelled as **Assertion A** and the other is labelled as **Reason R**

Assertion A: A tractor is a vehicle designed to deliver a high tractive effort(or torque) at slow speeds.

Reason R: Agricultural implements may be towed behind or mounted on the tractor, and the tractor may also provide a source of power.

In the light of the above statements, choose the **most appropriate** answer from the options given below

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

Options :

68634085905. 1
68634085906. 2
68634085907. 3
68634085908. 4

Question Number : 77 Question Id : 68634021742 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

नीचे दो कथन दिए गए हैं: एक अभिकथन (ASSERTION A) के रूप में लिखित है तो दूसरा उसके कारण (REASON R) के रूप में; अभिकथन A :ट्रैक्टर एक ऐसा वाहन है जिसे धीमी गति पर उच्च कर्षणी आयास (आघूर्ण बल) देने के लिए प्रारूपित किया गया है। कारण R :ट्रैक्टर शक्ति का स्रोत प्रदान करता है तथा इसके साथ साथ ट्रैक्टर से कृषि उपकरणों को खिंचा जा सकता है या उस पर आरोपित किया जा सकता है।

उपरोक्त कथन के अलोक में, नीचे दिए गए विकल्पों में से सबसे उपयुक्त उत्तर का चयन कीजिए

1. **A** और **R** दोनों सही हैं और **R**, **A** की सही व्याख्या है
2. **A** और **R** दोनों सत्य हैं और **R**, **A** की सही व्याख्या नहीं है
3. **A** सत्य है लेकिन **R** असत्य है
4. **A** असत्य है लेकिन **R** सत्य है

Options :

68634085905. 1
68634085906. 2
68634085907. 3
68634085908. 4

Question Number : 78 Question Id : 68634021743 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Power transmitted by a V-belt drive is determined by the effective pull and the belt speed, as given by the following equation:-

$$1. P = \frac{(T_2 - T_1)v}{1000}$$

$$2. P = \frac{(T_1 - T_2)v}{1000}$$

$$3. P = \frac{(T_1 - T_2^2)v}{1000}$$

$$4. P = \frac{(T_1^2 - T_2)v}{1000}$$

Options :

68634085909. 1

68634085910. 2

68634085911. 3

68634085912. 4

Question Number : 78 Question Id : 68634021743 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

V- बैल्ट द्वारा प्रेषित घात प्रभावी बल और बैल्ट की गति पर निर्भर करती है। निम्न में से कौन सा समीकरण V- बैल्ट द्वारा प्रेषित घात को दर्शाता है :-

$$1. P = \frac{(T_2 - T_1)v}{1000}$$

$$2. P = \frac{(T_1 - T_2)v}{1000}$$

$$3. P = \frac{(T_1 - T_2^2)v}{1000}$$

$$4. P = \frac{(T_1^2 - T_2)v}{1000}$$

Options :

68634085909. 1

68634085910. 2

68634085911. 3

68634085912. 4

Question Number : 79 Question Id : 68634021744 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
Type of power transmission chain		Pitch	
A.	Bush	I.	42mm
B.	Silent	II.	12.7 to 15.8mm
C.	Bush roller with bent plates	III.	15 - 100mm
D.	Hooked link-belt chain	IV.	40-100mm

Choose the correct answer from the options given below:

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

Options :

68634085913. 1
68634085914. 2
68634085915. 3
68634085916. 4

Question Number : 79 Question Id : 68634021744 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I(बल संचरण श्रृंखला का प्रकार)		सूची II(ढाल)	
A.	बुश चेन (Bush chain)	I.	42mm
B.	नीरव चेन (Silent chain)	II.	12.7 to 15.8mm
C.	बंकित फलक के साथ बुश रोलर(Bush roller with bent plates)	III.	15 - 100mm
D.	अंकुशाकार श्रृंखला बद्ध चेन (Hooked link-belt chain)	IV.	40-100mm

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634085913. 1
68634085914. 2
68634085915. 3
68634085916. 4

Question Number : 80 Question Id : 68634021745 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Which of the following equation is used to calculate the actual delivery of oil from any hydraulic pump ?

$$1. Q_p = \frac{D_p n_p \eta_{vp}}{1000}$$

$$2. Q_p = \frac{D_{vp} n_p \eta_p}{1000}$$

$$3. Q_p = \frac{D_p n_p \eta_p}{1000}$$

$$4. Q_p = \frac{D_p n_{vp} \eta}{1000}$$

Options :

- 68634085917. 1
- 68634085918. 2
- 68634085919. 3
- 68634085920. 4

Question Number : 80 Question Id : 68634021745 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से किस समीकरण का उपयोग किसी द्रवचालित पंप से तेल के वास्तविक निकास की गणना के लिए किया जाता है ?

$$1. Q_p = \frac{D_p n_p \eta_{vp}}{1000}$$

$$2. Q_p = \frac{D_{vp} n_p \eta_p}{1000}$$

$$3. Q_p = \frac{D_p n_p \eta_p}{1000}$$

$$4. Q_p = \frac{D_p n_{vp} \eta}{1000}$$

Options :

- 68634085917. 1
- 68634085918. 2
- 68634085919. 3
- 68634085920. 4

Question Number : 81 Question Id : 68634021746 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following is not a type of sprayer?

1. High volume
2. Low volume
3. Ultra-high volume
4. Ultra-high volume

Options :

68634085921. 1
68634085922. 2
68634085923. 3
68634085924. 4

Question Number : 81 Question Id : 68634021746 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सा विकल्प फुहारक /स्प्रेयर के प्रकार को नहीं दर्शाता :-

1. उच्च परिमाण (High volume sprayer)
2. अल्प परिमाण (Low volume sprayer)
3. अति उच्च परिमाण (Ultra high volume sprayer)
4. अतिनिम्न परिमाण (Ultra low volume sprayer)

Options :

68634085921. 1
68634085922. 2
68634085923. 3
68634085924. 4

Question Number : 82 Question Id : 68634021747 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Match List I with List II

LIST I		LIST II	
Type of WT		Principle of energy transmission	
A.	Hydrodynamic	I.	Hydrostatic forces at pumps and motors transmission
B.	Mechanical	II.	Electromagnetic forces
C.	hydrostatic	III.	traction forces within friction contacts
D.	Electrical	IV.	Mass forces at pump and turbine

Choose the correct answer from the options given below:

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

Options :

68634085925. 1
68634085926. 2
68634085927. 3
68634085928. 4

Question Number : 82 Question Id : 68634021747 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I(सी.वी.टी का प्रकार)		सूची II(उर्जा संचरण का सिद्धांत)	
A.	द्रवगतिक	I.	पंप तथा मोटर पर द्रवस्थैतिक बल
B.	यांत्रिक	II.	विद्युतचुम्बकीय बल
C.	द्रवस्थैतिक	III.	घर्षण संपर्कों के बीच कर्षण बल
D.	विधुतीय	IV.	पंप और टरबाइन पर द्रवमान बल

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

68634085925. 1
68634085926. 2
68634085927. 3
68634085928. 4

Question Number : 83 Question Id : 68634021748 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following crops are used for producing biofuels?

- A. Sugarcane
- B. Corn
- C. Potato

1. A & B only
2. A & Conly
3. B & Conly
4. A, B & C

Options :

- 68634085929. 1
- 68634085930. 2
- 68634085931. 3
- 68634085932. 4

Question Number : 83 Question Id : 68634021748 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में किन फसलों का प्रयोग जैवईंधन बनाने के लिए किया जाता है ?

- A. गन्ना
- B. मक्का
- C. आलू

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

1. केवल A और B
2. केवल A और C
3. केवल B और C
4. A, B और C

Options :

- 68634085929. 1
- 68634085930. 2
- 68634085931. 3
- 68634085932. 4

Question Number : 84 Question Id : 68634021749 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Under the Integrated Nutrient Management (INM) Mycorrhiza is an indispensable agricultural input. Select the correct benefits between fungus and root of the plant

- A. improved supply of water and nutrients to the plants
- B. Increased tolerance of plants to environment stress
- C. Protect plants from soil borne pathogenic disease
- D. Maintains biological health of soil

choose the correct answer from the given options below:

- 1. B & D only
- 2. A, B & C only
- 3. A, B, C, D only
- 4. C & D only

Options :

- 68634085933. 1
- 68634085934. 2
- 68634085935. 3
- 68634085936. 4

Question Number : 84 Question Id : 68634021749 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

एकीकृत पोषक तत्त्व प्रबंधन के तहत माइक्रोराइजा एक अनिवार्य कृषि ईनपुट है। कवक और पौधे की जड़ के बीच कौन सा अंतर्संबंध सही है ?

- A. पौधों की पानी एवं पोषक तत्त्वों की आपूर्ति में सुधार
- B. पर्यावरणीय दाब के प्रति पौधों की सहनशीलता में वृद्धि
- C. पौधों को मृदा जनित विकारी रोगों से बचाता है।
- D. मृदा के जैविकस्वास्थ्य को बनाए रखता है।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- 1. केवल B और D
- 2. केवल A,B और C
- 3. A,B,C,D
- 4. केवल C और D

Options :

- 68634085933. 1
- 68634085934. 2
- 68634085935. 3

Question Number : 85 Question Id : 68634021750 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Boron is an essential micronutrient for crop. Which of the following are its functions in crops?

- A. Facilitates pollination
- B. Aids in translocation of sugar and carbohydrate
- C. Plays an important role in the proper functioning of cell membranes
- D. Helps in nitrogen fixation
- E. Aids in photosynthesis

Choose the correct answer from the options given below:

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

Options :

- 68634085937. 1
- 68634085938. 2
- 68634085939. 3
- 68634085940. 4

Question Number : 85 Question Id : 68634021750 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

बोरॉन फसलों के लिए एक आवश्यक सूक्ष्म पोषक तत्व है। फसलों में इसके निम्नलिखित में से कौन से कार्य हैं ?

- A. परागण को सुगम बनाता है।
- B. चीनी और कार्बोहायड्रेट के स्थानांतरण में सहायता करता है।
- C. कोशिका झिल्लियों के समुचित कार्य में महत्वपूर्ण भूमिका निभाता है।
- D. नाइट्रोजन स्थितिकरण में मदद करता है।
- E. प्रकाशसंश्लेषण में सहायता करता है।

- 1. केवल A,B,C
- 2. केवल A,B,C,D
- 3. केवल A और B
- 4. केवल A,B,C,D,E

Options :

- 68634085937. 1
- 68634085938. 2

68634085939. 3

68634085940. 4

Question Number : 86 Question Id : 68634021751 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Desertification can lead to

- A. Decrease in food supplies
- B. Decrease in water supplies
- C. Migration
- D. Loss of jobs
- E. Global warming

Choose the most appropriate answer from the options given below

1. A, B, C, E only
2. B, C, D, E only
3. A, B, C, D only
4. A, B, C only

Options :

68634085941. 1

68634085942. 2

68634085943. 3

68634085944. 4

Question Number : 86 Question Id : 68634021751 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न विकल्पों में से मरुस्थलीकरण किसका कारण बन सकता है?

- A. खाद्य आपूर्ति में कमी
- B. जल आपूर्ति में कमी
- C. प्रवास
- D. रोजगार में कमी
- E. भूमंडलीय तापन/वैश्विक ऊष्मण

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

1. केवल A,B,C,E
2. केवल B,C,D,E
3. केवल A,B,C,D
4. केवल A,B,C

Options :

68634085941. 1
68634085942. 2
68634085943. 3
68634085944. 4

Question Number : 87 Question Id : 68634021752 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following statements is/ are correct with respect to solar cell technology?

- A. Crystalline silicon solar cells have a greater market share than thin film solar cells
- B. Thin film solar cells are cheaper than crystalline silicon solar cells
- C. Crystalline silicon cells are more efficient than thin film solar cells
- D. Both technologies operate on the same photo voltaic principle
- E. Crystalline silicon solar cells are more environment friendly to dispose than thin film solar cells at the end of their respective lives

Choose the correct answer from the options given below:

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

Options :

68634085945. 1
68634085946. 2
68634085947. 3
68634085948. 4

Question Number : 87 Question Id : 68634021752 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सौर-सैल(solarcell) प्रौद्योगिकी के सन्दर्भ में निम्नलिखित में से कौन से कथन सही है :- का बाजार हिस्सा तनु परत सौर-सैल

- A. क्रिस्टलीय सौर-सैल की तुलना में अधिक है।
- B. तनु परत सौर-सैल,क्रिस्टलीय सौर-सैल की तुलना में अधिक सस्ते है।
- C. क्रिस्टलीय सौर-सैल की कार्यक्षमता,तनु परत सौर-सैल के मुकाबले अधिक है ।
- D. दोनों प्रौद्योगिकियां एक हि फोटोवोल्टिक सिद्धांत पर कार्य करती है ।
- E. क्रिस्टलीय सौर-सैल का निपटारण तनु परत सौर-सैल के मुकाबले पर्यावरण के अधिक अनुकूल होता है ।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634085945. 1
- 68634085946. 2
- 68634085947. 3
- 68634085948. 4

Question Number : 88 Question Id : 68634021753 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following statement is/are true about Syngas?

- A. It is a mixture of carbon monoxide & hydrogen
- B. It can be easily converted into gasoline through a process called steam
- C. It is easily storable
- D. It is combustible and can be used as fuel in reforming internal combustion engine.
- E. Syngas has almost doubled the energy density to that of natural gas.

Choose the correct answer from the options given below:

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

Options :

- 68634085949. 1
- 68634085950. 2
- 68634085951. 3
- 68634085952. 4

Question Number : 88 Question Id : 68634021753 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सिनगैस के बारे में निम्नलिखित में से कौन से कथन सत्य है ?

- A. यह कार्बनमोनोऑक्साइड और हाइड्रोजन का मिश्रण है।
- B. भाप सुधार नामक प्रक्रिया के माध्यम से इसे आसानी से पेट्रोल में परिवर्तित किया जा सकता है।
- C. इसे आसानी से संग्रहित किया जा सकता है।
- D. यह दहनशील है और अंतः दहन इंजन में ईंधन के रूप में इस्तेमाल किया जा सकता है।
- E. सिनगैस का ऊर्जा घनत्व प्राकृतिक गैस के ऊर्जा घनत्व से लगभग दोगुना होता है।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

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

Options :

- 68634085949. 1
- 68634085950. 2
- 68634085951. 3
- 68634085952. 4

Question Number : 89 Question Id : 68634021754 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following irrigation method is most suitable for undulating topography:

- 1. Cablegation
- 2. Sprinkler irrigation
- 3. Drip irrigation
- 4. Border irrigation

Options :

- 68634085953. 1
- 68634085954. 2
- 68634085955. 3
- 68634085956. 4

Question Number : 89 Question Id : 68634021754 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सी सिंचाई विधि तरंगित स्थलाकृत के लिए सबसे उपयुक्त है ?

1. केबलगेशन
2. फव्वारा सिंचाई
3. टपक सिंचाई /ड्रिप्स सिंचाई
4. सीमा सिंचाई

Options :

68634085953. 1
68634085954. 2
68634085955. 3
68634085956. 4

Question Number : 90 Question Id : 68634021755 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

The working efficiency per day of deshi plough is

1. 0.3 ha
2. 0.4 ha
3. 0.6 ha
4. 0.8 ha

Options :

68634085957. 1
68634085958. 2
68634085959. 3
68634085960. 4

Question Number : 90 Question Id : 68634021755 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

देसी हल के लिए कार्यक्षमता निम्नलिखित में से क्या है ?

1. 0.3 ha
2. 0.4 ha
3. 0.6 ha
4. 0.8 ha

Options :

68634085957. 1
68634085958. 2

68634085959. 3

68634085960. 4

Question Number : 91 Question Id : 68634021756 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

If the hydraulic conductivity is 0.2 meter/day and thickness of the aquifer is 1.5 meter, the transmissivity of the aquifer will be

1. 7.5 meter square per day
2. 0.30 meter square per day
3. 30 meter square per day
4. 0.85 meter square per day

Options :

68634085961. 1

68634085962. 2

68634085963. 3

68634085964. 4

Question Number : 91 Question Id : 68634021756 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि जलीय चालकता 0.2(m/day) मीटर प्रति दिन है तथा जलभृत की मोटाई 1.5 मीटर है , तो जलभृत की संप्रेषणीयता(पारगम्यता) क्या होगी ?

1. 7.5 वर्ग मीटर प्रति दिन
2. 0.30 वर्ग मीटर प्रति दिन
3. 30 वर्ग मीटर प्रति दिन
4. 0.85 वर्ग मीटर प्रति दिन

Options :

68634085961. 1

68634085962. 2

68634085963. 3

68634085964. 4

Question Number : 92 Question Id : 68634021757 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following term evapotranspiration stands for the ratio between marketable crop yield and water used in evaporation:-

1. Consumptive use efficiency
2. Field water use efficiency
3. Water use efficiency
4. Economic irrigation efficiency

Options :

- 68634085965. 1
- 68634085966. 2
- 68634085967. 3
- 68634085968. 4

Question Number : 92 Question Id : 68634021757 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

विपणन योग्य फसल उपज तह वाष्पन-वाष्पोत्सर्जन योग्य जल के मध्य अनुपात के लिए निम्न में से कौन सा पद इस्तेमाल किया जाता है ?

1. उपभोगी उपयोग दक्षता
2. क्षेत्रक जल उपयोग दक्षता
3. जल उपयोग दक्षता
4. मितव्ययी सिंचाई दक्षता

Options :

- 68634085965. 1
- 68634085966. 2
- 68634085967. 3
- 68634085968. 4

Question Number : 93 Question Id : 68634021758 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Per capita demand of water is defined as the litres of water consumed daily by each person. Naturally it has to be some average value, over a period of time. Over how much period the averaging is done here:-

1. 24 hours
2. One year
3. 10 years
4. 35 years

Options :

- 68634085969. 1
- 68634085970. 2
- 68634085971. 3
- 68634085972. 4

Question Number : 93 Question Id : 68634021758 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

पानी की प्रति व्यक्ति मांग (per capita demand of water) को प्रत्येक व्यक्ति द्वारा प्रतिदिन इस्तेमाल किए गए पानी के रूप में परिभाषित किया गया है। स्वाभाविक रूप से समय की अवधि में इसका कुछ औसत मूल्य होना चाहिए। यहाँ औसत कितने समय का लिया जाता है

- 1. 24 घंटे
- 2. एक साल
- 3. 10 साल
- 4. 35 साल

Options :

- 68634085969. 1
- 68634085970. 2
- 68634085971. 3
- 68634085972. 4

Question Number : 94 Question Id : 68634021759 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which of the following diseases is not caused by water pollution?

- 1. Typhoid
- 2. Dysentery
- 3. Malaria
- 4. Jaundice

Options :

- 68634085973. 1
- 68634085974. 2
- 68634085975. 3
- 68634085976. 4

Question Number : 94 Question Id : 68634021759 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

निम्न में से कौन सी बीमारी प्रदूषित जल से नहीं होती ?

1. टाइफाइड
2. पेचिश
3. मलेरिया
4. पीलिया

Options :

68634085973. 1
68634085974. 2
68634085975. 3
68634085976. 4

Question Number : 95 Question Id : 68634021760 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Soil erosion can be prevented by

1. Increasing faunal population
2. Afforestation
3. Removal of vegetation
4. Overgrazing

Options :

68634085977. 1
68634085978. 2
68634085979. 3
68634085980. 4

Question Number : 95 Question Id : 68634021760 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा के अपरदन को कैसे रोका जा सकता है ?

1. जीव-जन्तुओं की जनसँख्या में वृद्धि से
2. वनरोपण से
3. वनस्पति को हटा के
4. अत्यधिक चराई से

Options :

68634085977. 1
68634085978. 2

68634085979. 3

68634085980. 4

Question Number : 96 Question Id : 68634021761 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A new vertical single bud technique has been implemented in some areas of Punjab for sugarcane cultivation. Which of the following statements is/are true about this technique

- A. This technique requires 85% fewer seeds than traditional method for the same field size.
- B. It reduces water consumption by 50%
- C. The yield is almost doubled

Choose the correct answer from the options given below:

- 1. A, B & C only
- 2. A only
- 3. A & C only
- 4. B & C only

Options :

68634085981. 1

68634085982. 2

68634085983. 3

68634085984. 4

Question Number : 96 Question Id : 68634021761 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

पंजाब के कुछ इलाकों में गन्ने की खेती के लिए एक नई 'वर्टिकल सिंगल बँड' तकनीक लागू की गई है। इस तकनीक के बारे में निम्न में से कौन से वर्णन सही हैं ?

- A. इस तकनीक में पारंपरिक खेत की तुलना में 85% कम बीज की आवश्यकता होती है।
- B. यह पानी की खपत को 50% कम करता है।
- C. उपज लगभग दोगुनी हो जाती है।

नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- 1. केवल A, B और C
- 2. केवल A
- 3. केवल A और C
- 4. केवल B और C

Options :

68634085981. 1

68634085982. 2

68634085983. 3

68634085984. 4

Question Number : 97 Question Id : 68634021762 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following cropping pattern is most suitable for area with less than 500 mm rainfall:

1. Mono cropping
2. Crop holding
3. Fallowing
4. Multi Cropping

Options :

68634085985. 1

68634085986. 2

68634085987. 3

68634085988. 4

Question Number : 97 Question Id : 68634021762 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा फसलाभ्यास(cropping pattern) 500मिमी से कम वर्षा वाले क्षेत्र के लिए सबसे उपयुक्त है ?

1. मोनो क्रॉपिंग
2. फसल जोतना
3. परती छोड़ना
4. बहुफसली

Options :

68634085985. 1

68634085986. 2

68634085987. 3

68634085988. 4

Question Number : 98 Question Id : 68634021763 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Water available between field capacity and permanent wilting point is called as:

1. Gravitational water
2. Capillary water
3. Available water
4. Connate water

Options :

- 68634085989. 1
- 68634085990. 2
- 68634085991. 3
- 68634085992. 4

Question Number : 98 Question Id : 68634021763 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा जलधारिता एवं स्थायी म्लान बिन्दु के बीच उपलब्ध पानी को क्या कहते है ?

1. गुरुत्व जल
2. कोशिका जल
3. प्राप्यमृदा जल
4. सहजात जल

Options :

- 68634085989. 1
- 68634085990. 2
- 68634085991. 3
- 68634085992. 4

Question Number : 99 Question Id : 68634021764 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following is not a secondary tillage implement?

1. Cultivator
2. Harrow
3. Hoe
4. Meston Plough

Options :

- 68634085993. 1
- 68634085994. 2

68634085995. 3

68634085996. 4

Question Number : 99 Question Id : 68634021764 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से कौन सा उपकरण ,द्वितीयक जुताई का औजार नहीं है ?

1. कल्टीवेटर
2. (Harrow) पटेला /हेंगा
3. कुदाल
4. मेस्टन हल(Meston plough)

Options :

68634085993. 1

68634085994. 2

68634085995. 3

68634085996. 4

Question Number : 100 Question Id : 68634021765 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Which of the following tool is used for measuring the draft agricultural implements?

1. Hydrometer
2. Galvanometer
3. Pyrheliometer
4. Dynamometer

Options :

68634085997. 1

68634085998. 2

68634085999. 3

68634086000. 4

Question Number : 100 Question Id : 68634021765 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

निम्नलिखित में से किस उपकरण का उपयोग कृषि उपकरणों के प्रारूप को मापने के लिए किया जाता है ?

1. हाइड्रोमीटर
2. गेल्वेनोमीटर
3. पाईरेलियोमीटर
4. डाइनेमोमीटर

Options :

- 68634085997. 1
- 68634085998. 2
- 68634085999. 3
- 68634086000. 4