

# National Testing Agency

<b>Question Paper Name :</b>	Soil Science Soil and Water Conservation Eng 10th June 2023 Shift 3
<b>Subject Name :</b>	Soil Science Soil and Water Conservation Eng
<b>Creation Date :</b>	2023-06-11 11:21:36
<b>Duration :</b>	120
<b>Total Marks :</b>	400
<b>Display Marks:</b>	Yes

## Soil Science Soil and Water Conservation

<b>Group Number :</b>	1
<b>Group Id :</b>	920906126
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	400
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View
<b>Show Progress Bar? :</b>	No

## Part A

<b>Section Id :</b>	920906251
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	21
<b>Number of Questions to be attempted :</b>	21
<b>Section Marks :</b>	100
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	920906413
<b>Question Shuffling Allowed :</b>	No
<b>Is Section Default? :</b>	null

**Question Id : 92090612660 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**

**Why aircraft lessors' woes may lead to costlier flights**

New Delhi: Record high airfares hurting passengers could rise even further following yet another instance of foreign lessors facing roadblocks in repossessing their aircraft from a troubled Indian carrier. Leasing aircraft could cost 20-25% more for startups and financially weak Indian carriers after the Go First case where lessors are now barred from taking their planes back for at least six months unless the NCLAT gives them some relief people in the know said. Only Indigo and Tata group carriers led by air India could be spared this increased cost as they are good credit for lessors lease rentals account for 10-12% of an airline's operating cost. A 20-25% increase in lease rentals will mean overall cost rising by 2-3% which will have to reflect in ticket prices. Except AI and Indigo it will be very challenging for other airlines, including startups. NCLT has directed go first erstwhile board to deposit Rs.5 crore with the resolution professional while the 55 aircraft currently with the airline are worth over \$2.5 billion," said an industry veteran. Now at the first sign of trouble in an Indian carrier lessors will line up to responses planes to avoid such a scenario where an airline uses the IBC route to escape de-registration of aircraft said another official. In the past also, lessors faced trouble in getting planes back from airlines such as jet and kingfisher that went bust, with aircraft stuck with the later being sold as scrap after rotting away at Indian airports. Meanwhile Go's new management will have to satisfy DGCA that it has the resources to safely operate flights in term of money manpower and machines.

US engine co PW hits back at Go First, blames 'financial mismanagement'. Go First may have blamed Pratt & Whitney (PW) for its troubles but the US aerospace major has hit back at the airline. "Go First is seeking to jump the line for engines over other customers worldwide. Airline customers, who have been in good financial standing and compliant with contracts, should not be made to suffer due to the financial mismanagement and contractual violations of one particular airline," said sources. Over 50 airbus A320neos of Go and Indigo are grounded due to PW engines. Asked about these planes, a PW spokesperson said "Expect supply chain to stabilize throughout 2023...."

**Sub questions**

**Question Number : 1 Question Id : 92090612661 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**

Why airfares already too high could rise even further?

- (1) Due to raising fuel cost
- (2) Due to raising fuel cost maintenance cost
- (3) Foreign lessors facing problems to buy new aircrafts
- (4) A troubled aircraft Indian carrier possesses aircrafts from foreign lessors and has become the root cause for airfare hike.

**Options :**

92090650001. 1
92090650002. 2
92090650003. 3
92090650004. 4

**Question Number : 2 Question Id : 92090612662 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 :

Statement I : The full form of NCLAT is National company Law Appellate Tribunal.

Statement II : Full form of DGCA is Director General of Civil Aviation.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650005. 1
92090650006. 2
92090650007. 3
92090650008. 4

**Question Number : 3 Question Id : 92090612663 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**

After which case leasing aircraft could cost 20-25% more?

- (1) NCLAT case
- (2) DGCA case
- (3) Go first case
- (4) AI indigo case

**Options :**

- 92090650009. 1
- 92090650010. 2
- 92090650011. 3
- 92090650012. 4

**Question Number : 4 Question Id : 92090612664 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 overall cost raising due to the lease rented issue will be

- (1) 20-25%
- (2) 10-12%
- (3) 2-3%
- (4) 10-25%

**Options :**

- 92090650013. 1
- 92090650014. 2
- 92090650015. 3
- 92090650016. 4

**Question Number : 5 Question Id : 92090612665 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**

Go First is seeking to jump the line for engines over other customers worldwide. The underlined phrase means:

- (1) To skip the que.
- (2) To skip the que and go to the last place.
- (3) To skip the que while waiting for one's turn.
- (4) To skip the que and go ahead without waiting for one's turn.

**Options :**

92090650017. 1  
92090650018. 2  
92090650019. 3  
92090650020. 4

**Question Id : 92090612660 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

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**Sub questions**

**Question Number : 1 Question Id : 92090612661 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**

Why airfares already too high could rise even further?

- (1) Due to raising fuel cost
- (2) Due to raising fuel cost maintenance cost
- (3) Foreign lessors facing problems to buy new aircrafts
- (4) A troubled aircraft Indian carrier possesses aircrafts from foreign lessors and has become the root cause for airfare hike.

**Options :**

- 92090650001. 1
- 92090650002. 2
- 92090650003. 3
- 92090650004. 4

**Question Number : 2 Question Id : 92090612662 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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Given below are two statements :

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**Options :**

- 92090650005. 1
- 92090650006. 2
- 92090650007. 3
- 92090650008. 4

**Question Number : 3 Question Id : 92090612663 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**

After which case leasing aircraft could cost 20-25% more?

- (1) NCLAT case
- (2) DGCA case
- (3) Go first case
- (4) AI indigo case

**Options :**

- 92090650009. 1
- 92090650010. 2
- 92090650011. 3
- 92090650012. 4

**Question Number : 4 Question Id : 92090612664 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 overall cost raising due to the lease rented issue will be

- (1) 20-25%
- (2) 10-12%
- (3) 2-3%
- (4) 10-25%

**Options :**

- 92090650013. 1
- 92090650014. 2
- 92090650015. 3
- 92090650016. 4

**Question Number : 5 Question Id : 92090612665 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**

Go First is seeking to jump the line for engines over other customers worldwide. The underlined phrase means:

- (1) To skip the que.
- (2) To skip the que and go to the last place.
- (3) To skip the que while waiting for one's turn.
- (4) To skip the que and go ahead without waiting for one's turn.

**Options :**

- 92090650017. 1
- 92090650018. 2
- 92090650019. 3
- 92090650020. 4

<b>Sub-Section Number :</b>	2
<b>Sub-Section Id :</b>	920906414
<b>Question Shuffling Allowed :</b>	Yes
<b>Is Section Default? :</b>	null

**Question Number : 6 Question Id : 92090612666 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**

Change voice for the given statements 'Do not tease the monkey'.

- (1) Let the monkey be not teased.
- (2) The monkey are not being teased.
- (3) Let the monkey not be teased.
- (4) The monkey has not been teased.

**Options :**

- 92090650021. 1
- 92090650022. 2
- 92090650023. 3
- 92090650024. 4

**Question Number : 6 Question Id : 92090612666 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**



Change voice for the given statements 'Do not tease the monkey'.

- (1) Let the monkey be not teased.
- (2) The monkey are not being teased.
- (3) Let the monkey not be teased.
- (4) The monkey has not been teased.

**Options :**

- 92090650021. 1
- 92090650022. 2
- 92090650023. 3
- 92090650024. 4

**Question Number : 7 Question Id : 92090612667 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**

Select the appropriate meaning the foreign word: 'carte blanche'

- (1) Official intimation
- (2) Bad intention
- (3) Hair dresser
- (4) Full freedom of action

**Options :**

- 92090650025. 1
- 92090650026. 2
- 92090650027. 3
- 92090650028. 4

**Question Number : 7 Question Id : 92090612667 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**

Select the appropriate meaning the foreign word: 'carte blanche'

- (1) Official intimation
- (2) Bad intention
- (3) Hair dresser
- (4) Full freedom of action

**Options :**

- 92090650025. 1
- 92090650026. 2

92090650027. 3

92090650028. 4

**Question Number : 8 Question Id : 92090612668 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**

Fill in the blanks with appropriate prepositions given in order from the options given below: The daytime temperature increased\_\_\_\_\_ over two degree \_\_\_ Delhi \_\_\_\_ thursday. The weather station \_\_\_\_ sports complex near Akshrdham recorded 41.1 degree Celsius which was the highest in the city.

(1) by, at, in, of

(2) by, in, on, at

(3) by, at, in, on

(4) by, at, in, from

**Options :**

92090650029. 1

92090650030. 2

92090650031. 3

92090650032. 4

**Question Number : 8 Question Id : 92090612668 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**

Fill in the blanks with appropriate prepositions given in order from the options given below: The daytime temperature increased\_\_\_\_\_ over two degree \_\_\_ Delhi \_\_\_\_ thursday. The weather station \_\_\_\_ sports complex near Akshrdham recorded 41.1 degree Celsius which was the highest in the city.

(1) by, at, in, of

(2) by, in, on, at

(3) by, at, in, on

(4) by, at, in, from

**Options :**

92090650029. 1

92090650030. 2

92090650031. 3

92090650032. 4

**Question Number : 9 Question Id : 92090612669 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**

Select the appropriate direct- speech for the Indirect-speech given below: Alok said, “ I have completed my work.”

- (1) Alok tells, “he completed his work,”
- (2) Alok says that his work is completed.
- (3) Alok said that he had completed his work.
- (4) My work is completed; Alok said.

**Options :**

- 92090650033. 1
- 92090650034. 2
- 92090650035. 3
- 92090650036. 4

**Question Number : 9 Question Id : 92090612669 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**

Select the appropriate direct- speech for the Indirect-speech given below: Alok said, “ I have completed my work.”

- (1) Alok tells, “he completed his work,”
- (2) Alok says that his work is completed.
- (3) Alok said that he had completed his work.
- (4) My work is completed; Alok said.

**Options :**

- 92090650033. 1
- 92090650034. 2
- 92090650035. 3
- 92090650036. 4

**Question Number : 10 Question Id : 92090612670 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**

Synonym of the word 'captive' is: -

- |               |              |
|---------------|--------------|
| (1) Candid    | (2) Censure  |
| (3) Pragmatic | (4) Prisoner |

**Options :**

- 92090650037. 1
- 92090650038. 2
- 92090650039. 3

92090650040. 4

**Question Number : 10 Question Id : 92090612670 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**

Synonym of the word 'captive' is: -

- |               |              |
|---------------|--------------|
| (1) Candid    | (2) Censure  |
| (3) Pragmatic | (4) Prisoner |

**Options :**

- 92090650037. 1
- 92090650038. 2
- 92090650039. 3
- 92090650040. 4

**Question Number : 11 Question Id : 92090612671 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 values of M and N, which satisfy the equation  $M-N+9=0$  and  $M+3N=19$ , are respectively:

- (1) 2, -7
- (2) 7, -2
- (3) 2, 7
- (4) -2, 7

**Options :**

- 92090650041. 1
- 92090650042. 2
- 92090650043. 3
- 92090650044. 4

**Question Number : 11 Question Id : 92090612671 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 values of M and N, which satisfy the equation  $M-N+9=0$  and  $M+3N=19$ , are respectively:

- (1) 2, -7
- (2) 7, -2
- (3) 2, 7
- (4) -2, 7

**Options :**

- 92090650041. 1
- 92090650042. 2
- 92090650043. 3
- 92090650044. 4

**Question Number : 12 Question Id : 92090612672 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  $8^x = 4^y = 2^z$  and,  $x + 2y + z = 35$  then the value of x is:

- (1) 3
- (2) 4
- (3) 5
- (4) 2

**Options :**

- 92090650045. 1
- 92090650046. 2
- 92090650047. 3
- 92090650048. 4

**Question Number : 12 Question Id : 92090612672 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  $8^x = 4^y = 2^z$  and,  $x + 2y + z = 35$  then the value of x is:

- (1) 3
- (2) 4
- (3) 5
- (4) 2

**Options :**

- 92090650045. 1
- 92090650046. 2
- 92090650047. 3
- 92090650048. 4

**Question Number : 13 Question Id : 92090612673 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 product of LCM and HCF of any two expression is  $x^3-x^2y+xy^2-y^3$ . first expression is  $(x^2+y^2)$  then the second expression will be:

- (1)  $(x-y)$  (2)  $(x+y)$   
(3)  $(x^2-y^2)$  (4)  $(x-y+xy)$

**Options :**

92090650049. 1  
92090650050. 2  
92090650051. 3  
92090650052. 4

**Question Number : 13 Question Id : 92090612673 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 product of LCM and HCF of any two expression is  $x^3-x^2y+xy^2-y^3$ . first expression is  $(x^2+y^2)$  then the second expression will be:

- (1)  $(x-y)$  (2)  $(x+y)$   
(3)  $(x^2-y^2)$  (4)  $(x-y+xy)$

**Options :**

92090650049. 1  
92090650050. 2  
92090650051. 3  
92090650052. 4

**Question Number : 14 Question Id : 92090612674 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 how many time will a sum of money doubles itself at  $7\frac{1}{2}\%$  simple interest per annum:

- (1) 14 years 3 months  
(2) 13 years 4 month  
(3) 13 years 9 month  
(4) 13 years 3 month

**Options :**

92090650053. 1  
92090650054. 2

92090650055. 3

92090650056. 4

**Question Number : 14 Question Id : 92090612674 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 how many time will a sum of money doubles itself at  $7\frac{1}{2}\%$  simple interest per annum:

- (1) 14 years 3 months
- (2) 13 years 4 month
- (3) 13 years 9 month
- (4) 13 years 3 month

**Options :**

92090650053. 1

92090650054. 2

92090650055. 3

92090650056. 4

**Question Number : 15 Question Id : 92090612675 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 sum of money, which will amount to Rs.16,810 in 6 months at the rate of 10% per annum when the interest is compounded quarterly is :

- (1) Rs.16,400
- (2) Rs.15,500
- (3) Rs.15,000
- (4) Rs.16,000

**Options :**

92090650057. 1

92090650058. 2

92090650059. 3

92090650060. 4

**Question Number : 15 Question Id : 92090612675 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 sum of money, which will amount to Rs.16,810 in 6 months at the rate of 10% per annum when the interest is compounded quarterly is :

- (1) Rs.16,400
- (2) Rs.15,500
- (3) Rs.15,000
- (4) Rs.16,000

**Options :**

- 92090650057. 1
- 92090650058. 2
- 92090650059. 3
- 92090650060. 4

**Question Number : 16 Question Id : 92090612676 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**

8CM@NLT2Y6SαQ\$7\*W#z3UE%A4 How many symbols are there in the above arrangement which are immediately preceded and also immediately following by a vowel?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

**Options :**

- 92090650061. 1
- 92090650062. 2
- 92090650063. 3
- 92090650064. 4

**Question Number : 16 Question Id : 92090612676 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**

8CM@NLT2Y6SαQ\$7\*W#z3UE%A4 How many symbols are there in the above arrangement which are immediately preceded and also immediately following by a vowel?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

**Options :**

- 92090650061. 1
- 92090650062. 2
- 92090650063. 3



**Question Number : 17 Question Id : 92090612677 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**

Statement : A college student said, “ everyone desires to buy a personal computer”

Assumption I : personal computers are not a need but a luxury

II : Use of personal computers improve quality of skill.

Which of the above assumption (5) is /are implicit in the statement?

- (1) Only assumption I
- (2) Only assumption II
- (3) Assumption I and assumption II
- (4) Neither assumption I or assumption II

**Options :**

92090650065. 1

92090650066. 2

92090650067. 3

92090650068. 4

**Question Number : 17 Question Id : 92090612677 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

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- (2) Only assumption II
- (3) Assumption I and assumption II
- (4) Neither assumption I or assumption II

**Options :**

- 92090650065. 1
- 92090650066. 2
- 92090650067. 3
- 92090650068. 4

**Question Number : 18 Question Id : 92090612678 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**

8CM@NLT2Y6SαQ\$7\*W#z3UE%A4 How many symbols are there in the above arrangement which are immediately preceded and also immediately following by a vowel?

- (1) 1
- (2) 2
- (3) 3
- (4) 4

**Options :**

- 92090650069. 1
- 92090650070. 2
- 92090650071. 3
- 92090650072. 4

**Question Number : 18 Question Id : 92090612678 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**

8CM@NLT2Y6SαQ\$7\*W#z3UE%A4 How many symbols are there in the above arrangement which are immediately preceded and also immediately following by a vowel?

- (1) 1 (2) 2  
(3) 3 (4) 4

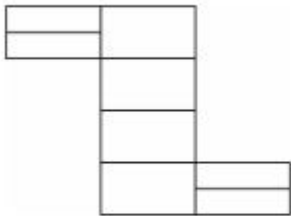
**Options :**

92090650069. 1  
92090650070. 2  
92090650071. 3  
92090650072. 4

**Question Number : 19 Question Id : 92090612679 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 number of rectangles are there in the following figure?



- (1) 10 (2) 19  
(3) 18 (4) 20

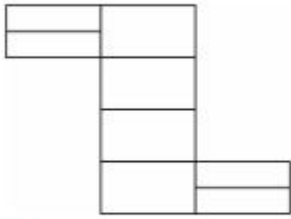
**Options :**

92090650073. 1  
92090650074. 2  
92090650075. 3  
92090650076. 4

**Question Number : 19 Question Id : 92090612679 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 number of rectangles are there in the following figure?



- (1) 10 (2) 19  
(3) 18 (4) 20

**Options :**

92090650073. 1  
92090650074. 2  
92090650075. 3  
92090650076. 4

**Question Number : 20 Question Id : 92090612680 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 45, where boys are twice that of girls, Geeta ranked eleventh from the top. If there are 6 boys ahead of Geeta, how many girls are after her in the ranking?

- (1) 34 (2) 24  
(3) 10 (4) 12

**Options :**

92090650077. 1  
92090650078. 2  
92090650079. 3  
92090650080. 4

**Question Number : 20 Question Id : 92090612680 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 45, where boys are twice that of girls, Geeta ranked eleventh from the top. If there are 6 boys ahead of Geeta, how many girls are after her in the ranking?

- (1) 34 (2) 24  
(3) 10 (4) 12

**Options :**

92090650077. 1  
92090650078. 2  
92090650079. 3

92090650080. 4

**Question Number : 21 Question Id : 92090612681 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 patient-to-doctor teleconsultation System developed for MoHFW has been named as:

- |                |                  |
|----------------|------------------|
| (1) e-Chikitsa | (2) e-Sanjeevani |
| (3) e-Swasthya | (4) e-Nirvana    |

**Options :**

- 92090650081. 1
- 92090650082. 2
- 92090650083. 3
- 92090650084. 4

**Question Number : 21 Question Id : 92090612681 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 patient-to-doctor teleconsultation System developed for MoHFW has been named as:

- |                |                  |
|----------------|------------------|
| (1) e-Chikitsa | (2) e-Sanjeevani |
| (3) e-Swasthya | (4) e-Nirvana    |

**Options :**

- 92090650081. 1
- 92090650082. 2
- 92090650083. 3
- 92090650084. 4

**Question Number : 22 Question Id : 92090612682 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 members of Rajya Sabha are nominated by President from science, Art, literature and social service background?

- |        |        |
|--------|--------|
| (1) 20 | (2) 8  |
| (3) 12 | (4) 15 |

**Options :**

- 92090650085. 1
- 92090650086. 2
- 92090650087. 3
- 92090650088. 4

**Question Number : 22 Question Id : 92090612682 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 members of Rajya Sabha are nominated by President from science, Art, literature and social service background?

- |        |        |
|--------|--------|
| (1) 20 | (2) 8  |
| (3) 12 | (4) 15 |

**Options :**

- 92090650085. 1
- 92090650086. 2
- 92090650087. 3
- 92090650088. 4

**Question Number : 23 Question Id : 92090612683 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 Constitution of India Derives its ultimate authority from:

- |                            |                             |
|----------------------------|-----------------------------|
| (1) Supreme Court of India | (2) Parliament of India     |
| (3) People of India        | (4) Constitutional Assembly |

**Options :**

- 92090650089. 1
- 92090650090. 2
- 92090650091. 3
- 92090650092. 4

**Question Number : 23 Question Id : 92090612683 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 Constitution of India Derives its ultimate authority from:

- |                            |                             |
|----------------------------|-----------------------------|
| (1) Supreme Court of India | (2) Parliament of India     |
| (3) People of India        | (4) Constitutional Assembly |

**Options :**

- 92090650089. 1
- 92090650090. 2
- 92090650091. 3
- 92090650092. 4

**Question Number : 24 Question Id : 92090612684 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**

Indian Space Research Organisation (ISRO) is planning to launch which mission in collaboration with French Space Agency (NES) by year 2025?

- (1) Mars Mission
- (2) Jupiter Mission
- (3) Saturn Mission
- (4) Venus Mission

**Options :**

- 92090650093. 1
- 92090650094. 2
- 92090650095. 3
- 92090650096. 4

**Question Number : 24 Question Id : 92090612684 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**

Indian Space Research Organisation (ISRO) is planning to launch which mission in collaboration with French Space Agency (NES) by year 2025?

- (1) Mars Mission
- (2) Jupiter Mission
- (3) Saturn Mission
- (4) Venus Mission

**Options :**

- 92090650093. 1
- 92090650094. 2
- 92090650095. 3
- 92090650096. 4

**Question Number : 25 Question Id : 92090612685 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**

Quarter crystals used in quarters clock are chemically: -

- (1) Germanium oxide
- (2) Silicon dioxide
- (3) sodium silicate
- (4) mixture of germanium oxide and silicon dioxide

**Options :**

92090650097. 1  
92090650098. 2  
92090650099. 3  
92090650100. 4

**Question Number : 25 Question Id : 92090612685 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**

Quarter crystals used in quarters clock are chemically: -

- (1) Germanium oxide
- (2) Silicon dioxide
- (3) sodium silicate
- (4) mixture of germanium oxide and silicon dioxide

**Options :**

92090650097. 1  
92090650098. 2  
92090650099. 3  
92090650100. 4

## **Part B: Soil Science Soil and Water Conservation**

<b>Section Id :</b>	920906252
<b>Section Number :</b>	2
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	75
<b>Number of Questions to be attempted :</b>	75
<b>Section Marks :</b>	300
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Maximum Instruction Time :</b>	0
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	920906415



**Question Shuffling Allowed :**

Yes

**Is Section Default? :**

null

**Question Number : 26 Question Id : 92090612686 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 particle movement by wind through saltation process is usually applicable to the particles of size:

- |                        |                       |
|------------------------|-----------------------|
| (1) 0.05 mm to 0.50 mm | (2) 0.5 mm to 0.75 mm |
| (3) 0.75 mm to 1.0 mm  | (4) 1.0 mm to 1.5 mm  |

**Options :**

- 92090650101. 1
- 92090650102. 2
- 92090650103. 3
- 92090650104. 4

**Question Number : 26 Question Id : 92090612686 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**

उत्परिवर्तन प्रक्रिया के माध्यम से वायु के द्वारा मृदा कण संचलन सामान्यता \_\_\_\_\_ के कणों के प्रति अनुप्रयोज्य है।

- |                                |                                  |
|--------------------------------|----------------------------------|
| (1) 0.05 मि.मी. से 0.50 मि.मी. | (2) 0.5 मि. मी . से 0.75 मि. मी. |
| (3) 0.75 मि. मी. से 1.0 मि. मी | (4) 1.0 मि. मी. से 1.5 मि. मी    |

**Options :**

- 92090650101. 1
- 92090650102. 2
- 92090650103. 3
- 92090650104. 4

**Question Number : 27 Question Id : 92090612687 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 thickness of gravel pack in tube wells generally varies from:

- |                 |                 |
|-----------------|-----------------|
| (1) 20 to 25 cm | (2) 15 to 20 cm |
| (3) 8 to 15 cm  | (4) 4 to 8 cm   |

**Options :**

92090650105. 1  
92090650106. 2  
92090650107. 3  
92090650108. 4

**Question Number : 27 Question Id : 92090612687 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**

नलकूपों में बजरी पोटला कि मोटाई सामान्यतया \_\_\_\_\_ तक परिवर्तित होती है।

- (1) 20 से 25 से. मी (2) 15 से 20 से.मी  
(3) 8 से 15 से.मी (4) 4 से 8 से. मी.s

**Options :**

92090650105. 1  
92090650106. 2  
92090650107. 3  
92090650108. 4

**Question Number : 28 Question Id : 92090612688 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 typical sand dunes have a slope on the windward side to a magnitude of:

- (1) 1° to 2.5° (2) 2.5° to 5°  
(3) 5° to 10° (4) 10° to 15°

**Options :**

92090650109. 1  
92090650110. 2  
92090650111. 3  
92090650112. 4

**Question Number : 28 Question Id : 92090612688 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**

रेत के प्रारूपिक टीलों के पवानाभिमुख दिशा की औरएक ढलान \_\_\_\_\_ मात्रा की होती है ।

- (1) 1° से 2.5° (2) 2.5° से 5°  
(3) 5° से 10° (4) 10° से 15°

**Options :**

- 92090650109. 1
- 92090650110. 2
- 92090650111. 3
- 92090650112. 4

**Question Number : 29 Question Id : 92090612689 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 line drawn on a map connecting the points of equal rainfall depth is called:

- (1) Isobar
- (2) Isohyet
- (3) Isotherm
- (4) Isochron

**Options :**

- 92090650113. 1
- 92090650114. 2
- 92090650115. 3
- 92090650116. 4

**Question Number : 29 Question Id : 92090612689 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**

किसी मानचित्र पर समान वृष्टि गहनता के बिन्दुओं को संयोजित करने वाली रेखा\_\_\_ कहलाती है ।

- (1) समदाब रेखा
- (2) समवर्षा रेखा
- (3) समताप रेखा
- (4) समकाल रेखा

**Options :**

- 92090650113. 1
- 92090650114. 2
- 92090650115. 3
- 92090650116. 4

**Question Number : 30 Question Id : 92090612690 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 length of the slope is doubled, the soil erosion by water will:

- (1) Decrease to 0.4 times
- (2) Increase to 1.4 times
- (3) Remain the same
- (4) Increase twice

**Options :**

- 92090650117. 1
- 92090650118. 2
- 92090650119. 3
- 92090650120. 4

**Question Number : 30 Question Id : 92090612690 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 ढालन की लम्बाई को द्विगुणित किया जाता है तो जल के द्वारा मृदा अपरदन \_\_\_\_ हो जाती है ।

- (1) 0.4 गुना कम
- (2) 1.4 गुना अधिक
- (3) यथावत्
- (4) दोगुनी वृद्धि वाला

**Options :**

- 92090650117. 1
- 92090650118. 2
- 92090650119. 3
- 92090650120. 4

**Question Number : 31 Question Id : 92090612691 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 an engineering measure for soil and water conservation:

- (1) Contour farming
- (2) Strip cropping
- (3) Contour bunding
- (4) Crop rotation

**Options :**

- 92090650121. 1
- 92090650122. 2
- 92090650123. 3
- 92090650124. 4

**Question Number : 31 Question Id : 92090612691 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 मृदा एवं जल संरक्षण हेतु एक अभियांत्रिकी मापदंड है ?

- (1) समोच्च कृषि
- (2) पट्टीदार कृषि
- (3) समोच्च बंधन
- (4) शस्य आवर्तन

**Options :**

- 92090650121. 1
- 92090650122. 2
- 92090650123. 3
- 92090650124. 4

**Question Number : 32 Question Id : 92090612692 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**

Theissen polygon method is used for determination of :

- (1) Point rainfall
- (2) Rainfall intensity
- (3) Mean areal rainfall
- (4) Mean rainfall intensity

**Options :**

- 92090650125. 1
- 92090650126. 2
- 92090650127. 3
- 92090650128. 4

**Question Number : 32 Question Id : 92090612692 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**

थिएसेन बहुबुज प्रणाली \_\_\_\_\_ के निर्धारण हेतु प्रयुक्त होती है ।

- (1) बिन्दु वर्षण
- (2) वर्षण तीव्रता
- (3) औसत क्षेत्रीय वर्षण
- (4) अऔसत वर्षण तीव्रता

**Options :**

- 92090650125. 1
- 92090650126. 2
- 92090650127. 3
- 92090650128. 4

**Question Number : 33 Question Id : 92090612693 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 a non-recording type rain gauge?

- (1) Tipping bucket type
- (2) Symon type
- (3) Float type
- (4) Weighing type

**Options :**

- 92090650129. 1
- 92090650130. 2
- 92090650131. 3
- 92090650132. 4

**Question Number : 33 Question Id : 92090612693 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 कौन अनभिलेखन प्रकार वर्षामापी है?

- |                            |                   |
|----------------------------|-------------------|
| (1) अग्रण संधान डोल प्रकार | (2) साइमॉन प्रकार |
| (3) प्लवी प्रकार           | (4) भारण प्रकार   |

**Options :**

- 92090650129. 1
- 92090650130. 2
- 92090650131. 3
- 92090650132. 4

**Question Number : 34 Question Id : 92090612694 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 a rain gauge receives 10 cm rainfall in 5 hours, the average intensity of rainfall will be:

- |             |             |
|-------------|-------------|
| (1) 10 mm/h | (2) 15 mm/h |
| (3) 20 mm/h | (4) 25 mm/h |

**Options :**

- 92090650133. 1
- 92090650134. 2
- 92090650135. 3
- 92090650136. 4

**Question Number : 34 Question Id : 92090612694 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 कोई वर्षामापी 5 घंटे में 10 से. मी वर्षा प्राप्त करता है तो वर्षा की औसत तीव्रता होगी :

- |                      |                     |
|----------------------|---------------------|
| (1) 10 मि.मी. / घंटा | (2) 15 मि.मी./घंटा  |
| (3) 20 मि.मी. /घंटा  | (4) 25 मि.मी./ घंटा |

**Options :**

- 92090650133. 1
- 92090650134. 2
- 92090650135. 3
- 92090650136. 4

**Question Number : 35 Question Id : 92090612695 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 a rainfall event has a return period of 20 years, the probability of exceedance for this event will be:

- |           |           |
|-----------|-----------|
| (1) 0.02  | (2) 0.05  |
| (3) 0.002 | (4) 0.005 |

**Options :**

- 92090650137. 1
- 92090650138. 2
- 92090650139. 3
- 92090650140. 4

**Question Number : 35 Question Id : 92090612695 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 वर्षण-घटना की प्रत्यावर्तन अवधि 20 वर्षों की है, तो इस घटना हेतु अतिरेच की प्रायिकता होगी :

- |           |           |
|-----------|-----------|
| (1) 0.02  | (2) 0.05  |
| (3) 0.002 | (4) 0.005 |

**Options :**

- 92090650137. 1
- 92090650138. 2
- 92090650139. 3
- 92090650140. 4

**Question Number : 36 Question Id : 92090612696 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 rational method is generally used for computation of:

- |                         |                      |
|-------------------------|----------------------|
| (1) Mean areal rainfall | (2) Runoff volume    |
| (3) Rainfall intensity  | (4) Peak runoff rate |

**Options :**

- 92090650141. 1
- 92090650142. 2
- 92090650143. 3
- 92090650144. 4

**Question Number : 36 Question Id : 92090612696 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**

तर्कणापरण प्रणाली सामान्यतया \_\_\_\_\_ अभिकलन हेतु प्रयुक्त होती है ।

- |                         |                  |
|-------------------------|------------------|
| (1) औसत क्षेत्रीय वर्षण | (2) वाह परिमाण   |
| (3) वर्षण तीव्रता       | (4) शीर्ष वाह दर |

**Options :**

- 92090650141. 1
- 92090650142. 2
- 92090650143. 3
- 92090650144. 4

**Question Number : 37 Question Id : 92090612697 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**

Total potential in soil-water does not include:

- |                             |                        |
|-----------------------------|------------------------|
| (1) Gravitational potential | (2) Back potential     |
| (3) Osmotic potential       | (4) Pressure potential |

**Options :**

- 92090650145. 1
- 92090650146. 2
- 92090650147. 3
- 92090650148. 4



**Question Number : 37 Question Id : 92090612697 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 जल में कुल विभव अन्तर्विष्ट नहीं करता है :

- |                    |                 |
|--------------------|-----------------|
| (1) गुरुत्वीय विभव | (2) पृष्ठ विभाव |
| (3) परासरणी        | (4) दाब विभव    |

**Options :**

- 92090650145. 1
- 92090650146. 2
- 92090650147. 3
- 92090650148. 4

**Question Number : 38 Question Id : 92090612698 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**

One bar pressure is equal to:

- |                   |                   |
|-------------------|-------------------|
| (1) 10 Pascal     | (2) 100 Pascal    |
| (3) $10^3$ Pascal | (4) $10^5$ Pascal |

**Options :**

- 92090650149. 1
- 92090650150. 2
- 92090650151. 3
- 92090650152. 4

**Question Number : 38 Question Id : 92090612698 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 स्तंभ दाब \_\_\_\_\_ के बराबर होता है।

- |                   |                   |
|-------------------|-------------------|
| (1) 10 पास्कल     | (2) 100 पास्कल    |
| (3) $10^3$ पास्कल | (4) $10^5$ पास्कल |

**Options :**

- 92090650149. 1
- 92090650150. 2

92090650151. 3

92090650152. 4

**Question Number : 39 Question Id : 92090612699 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 field capacity for a field is 30% and the permanent wilting point is 10%, the available water for plant growth will be:

- |         |         |
|---------|---------|
| (1) 20% | (2) 25% |
| (3) 18% | (4) 12% |

**Options :**

92090650153. 1

92090650154. 2

92090650155. 3

92090650156. 4

**Question Number : 39 Question Id : 92090612699 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**

किसी क्षेत्र हेतु मृदु जल धारित 30% है और स्थायी म्लानी बिंदु 10% है तो पादप वर्धन हेतु उपलब्ध जल\_\_\_ होगी ।

- |         |         |
|---------|---------|
| (1) 20% | (2) 25% |
| (3) 18% | (4) 12% |

**Options :**

92090650153. 1

92090650154. 2

92090650155. 3

92090650156. 4

**Question Number : 40 Question Id : 92090612700 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**

Darcy's law is applicable as long as the flow is:

- |                                     |                    |
|-------------------------------------|--------------------|
| (1) Turbulent only                  | (2) Laminar only   |
| (3) Both Laminar and turbulent flow | (4) Transient flow |

**Options :**

- 92090650157. 1
- 92090650158. 2
- 92090650159. 3
- 92090650160. 4

**Question Number : 40 Question Id : 92090612700 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**

डार्सी का नियम तक अनुप्रयोज्य है जब तक प्रवाह \_\_\_\_ है ।

- (1) केवल प्रक्षुब्ध
- (2) केवल स्तरीय
- (3) स्तरीय और प्रक्षुब्ध प्रवाह दोनों
- (4) क्षणिक प्रवाह

**Options :**

- 92090650157. 1
- 92090650158. 2
- 92090650159. 3
- 92090650160. 4

**Question Number : 41 Question Id : 92090612701 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 intrinsic permeability of a porous medium has the dimensions of:

- (1) L
- (2)  $LT^{-1}$
- (3)  $L^2$
- (4)  $LT^{-2}$

**Options :**

- 92090650161. 1
- 92090650162. 2
- 92090650163. 3
- 92090650164. 4

**Question Number : 41 Question Id : 92090612701 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**

किसी सरन्ध्र माध्यम की नैज पारगम्यता में  $L$  का घात है :

- (1)  $L$  (2)  $LT^{-1}$   
(3)  $L^2$  (4)  $LT^{-2}$

**Options :**

92090650161. 1  
92090650162. 2  
92090650163. 3  
92090650164. 4

**Question Number : 42 Question Id : 92090612702 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**

Keeping other dimensions same, by doubling the radius of influence of the well, the discharge of the well will be:

- (1) Increased by 5% (2) Decreased by 10%  
(3) Increased by 10% (4) Decreased by 5%

**Options :**

92090650165. 1  
92090650166. 2  
92090650167. 3  
92090650168. 4

**Question Number : 42 Question Id : 92090612702 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**

अन्य विस्तारों को समान रखते हुए किसी कूप के प्रभाव की त्रिज्या को द्विगुणित करने से कूप का आस्राव होगा :

- (1) 5% वर्धित (2) 10% हासित  
(3) 10% वर्धित (4) 5% हासित

**Options :**

92090650165. 1  
92090650166. 2  
92090650167. 3  
92090650168. 4

**Question Number : 43 Question Id : 92090612703 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 methods is not used for determination of aquifer constants for unsteady flow conditions in confined aquifer?

- |                  |                  |
|------------------|------------------|
| (1) Theis method | (2) Theim method |
| (3) Jacob method | (4) Chow method  |

**Options :**

- 92090650169. 1
- 92090650170. 2
- 92090650171. 3
- 92090650172. 4

**Question Number : 43 Question Id : 92090612703 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 प्रणाली किसी परिरुद्ध जलभृत में अस्थिर प्रभाव अवस्था के लिए जलभृत स्थिरांक के निर्धारण हेतु प्रयुक्त नहीं होती है?

- |                  |                  |
|------------------|------------------|
| (1) थेइस प्रणाली | (2) थेइम प्रणाली |
| (3) जैकब प्रणाली | (4) चाव प्रणाली  |

**Options :**

- 92090650169. 1
- 92090650170. 2
- 92090650171. 3
- 92090650172. 4

**Question Number : 44 Question Id : 92090612704 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 formation loss in a pumping well is directly proportional to the discharge (Q) as:

- |               |           |
|---------------|-----------|
| (1) $Q^{1/2}$ | (2) $Q$   |
| (3) $Q^2$     | (4) $Q^3$ |

**Options :**

- 92090650173. 1
- 92090650174. 2
- 92090650175. 3
- 92090650176. 4

**Question Number : 44 Question Id : 92090612704 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**

किसी दमकलन (पंपिंग) कूप में शैल- समूह क्षय आस्राव (Q) से किस रूप में सीधा समानुपाती होता है ?

- (1)  $Q^{1/2}$  (2) Q  
(3)  $Q^2$  (4)  $Q^3$

**Options :**

92090650173. 1  
92090650174. 2  
92090650175. 3  
92090650176. 4

**Question Number : 45 Question Id : 92090612705 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**

On the basis of sieve analysis of aquifer material after boring, the uniformity coefficient is the ratio of:

- (1) 60% material retained to 10% material retained  
(2) 60% material retained to 40% material retained  
(3) 40% material retained to 60% material retained  
(4) 40% material retained to 90% material retained

**Options :**

92090650177. 1  
92090650178. 2  
92090650179. 3  
92090650180. 4

**Question Number : 45 Question Id : 92090612705 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**

वेधन पस्चात जलभृत सामग्री के ध्वनी विश्लेषण के आधार पर एकसमानता गुणांक\_\_\_\_\_ का अनुपात है:

- (1) 60% धारित सामग्री से 10% धारित सामग्री  
(2) 60% धारित सामग्री से 40% धारित सामग्री  
(3) 40% धारित सामग्री से 60% धारित सामग्री  
(4) 40% धारित सामग्री से 90% धारित सामग्री

**Options :**

- 92090650177. 1
- 92090650178. 2
- 92090650179. 3
- 92090650180. 4

**Question Number : 46 Question Id : 92090612706 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 affinity laws, the discharge from the pump  $Q$ , and impeller speed  $N$ , are related as:

- (1)  $Q \propto N$
- (2)  $Q \propto N^{1/2}$
- (3)  $Q \propto N^2$
- (4)  $Q \propto N^3$

**Options :**

- 92090650181. 1
- 92090650182. 2
- 92090650183. 3
- 92090650184. 4

**Question Number : 46 Question Id : 92090612706 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**

बंधुता नियम के अनुसार, दमकल (पंप)  $Q$  से आस्राव आवेजक गति किस रूप में सम्बंधित है?

- (1)  $Q \propto N$
- (2)  $Q \propto N^{1/2}$
- (3)  $Q \propto N^2$
- (4)  $Q \propto N^3$

**Options :**

- 92090650181. 1
- 92090650182. 2
- 92090650183. 3
- 92090650184. 4

**Question Number : 47 Question Id : 92090612707 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 diameter of impeller of a centrifugal pump is doubled then the total dynamic head will be:

- (1) Half (2) Double  
(3) 4 times (4) 8 times

**Options :**

92090650185. 1  
92090650186. 2  
92090650187. 3  
92090650188. 4

**Question Number : 47 Question Id : 92090612707 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 केन्द्रापसारी दमकल (पंप) के आवेजक के व्यास को द्विगुणित कर दिया जाये तो कुल गतिक शीर्ष होगा :

- (1) आधा (2) दोगुना  
(3) चार गुना (4) आठ गुना

**Options :**

92090650185. 1  
92090650186. 2  
92090650187. 3  
92090650188. 4

**Question Number : 48 Question Id : 92090612708 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 speed of the impeller of a centrifugal pump is doubled, the horse power of the pump will

- (1) Reduce to half (2) Be doubled  
(3) Become 4 times (4) Become 8 times

**Options :**

92090650189. 1  
92090650190. 2  
92090650191. 3  
92090650192. 4



**Question Number : 48 Question Id : 92090612708 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 केन्द्रापसारी दमकल (पंप)के आवेजक की चाल को द्विगुणित कर दिया जाये तो दमकल (पंप) की अस्व शक्ति होगी :

- |                         |                        |
|-------------------------|------------------------|
| (1) हासित होकर आधी      | (2) दुगनी हो जाएगी ।   |
| (3) चार गुनी हो जाएगी । | (4) आठ गुनी हो जाएगी । |

**Options :**

- 92090650189. 1
- 92090650190. 2
- 92090650191. 3
- 92090650192. 4

**Question Number : 49 Question Id : 92090612709 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 a centrifugal pump has water horse power of 10 H.P., and the pump efficiency is 80%, the required B.H.P. will be:

- |            |              |
|------------|--------------|
| (1) 10 H.P | (2) 12.5 H.P |
| (3) 14 H.P | (4) 18 H.P   |

**Options :**

- 92090650193. 1
- 92090650194. 2
- 92090650195. 3
- 92090650196. 4

**Question Number : 49 Question Id : 92090612709 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 केन्द्रापसारी दमकल (पंप)के पास 10 एच.पी. की जल अश्व शक्ति है और दमकल (पंप) की कार्य क्षमता 80% है तो अपेक्षित बी.एच.पी होगी?

- |              |                |
|--------------|----------------|
| (1) 10 एच.पी | (2) 12.5 एच.पी |
| (3) 14 एच.पी | (4) 18 एच.पी   |

**Options :**

- 92090650193. 1
- 92090650194. 2

92090650195. 3

92090650196. 4

**Question Number : 50 Question Id : 92090612710 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**

Anemometer is used for measurement of \_\_\_\_

- |                        |                   |
|------------------------|-------------------|
| (1) Evapotranspiration | (2) Soil moisture |
| (3) Wind direction     | (4) Wind speed    |

**Options :**

92090650197. 1

92090650198. 2

92090650199. 3

92090650200. 4

**Question Number : 50 Question Id : 92090612710 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**

पवनवेगमापी किसके मापन हेतु प्रयुक्त होता है ?

- |                   |                  |
|-------------------|------------------|
| (1) वाष्पोत्सर्जन | (2) मृदा- आद्रता |
| (3) पवन-दिशा      | (4) पवन-चाल      |

**Options :**

92090650197. 1

92090650198. 2

92090650199. 3

92090650200. 4

**Question Number : 51 Question Id : 92090612711 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 most economical channel section of trapezoidal shaped with 1:1 side slopes should have the width of the channel bottom 'b' and depth of flow as 'd' related as:

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| (1) $b = \frac{d}{2} \tan 45^\circ$ | (2) $b = \frac{d}{2} \tan 22.5^\circ$ |
| (3) $b = 2d \tan 45^\circ$          | (4) $b = 2d \tan 22.5^\circ$          |

**Options :**

- 92090650201. 1
- 92090650202. 2
- 92090650203. 3
- 92090650204. 4

**Question Number : 51 Question Id : 92090612711 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**

1:1 की पार्श्व प्रवणता के साथ समलंबी आकृति के सर्वधिक आर्थिक प्रणाल के प्रणाल अधस्त की चौड़ाई 'B' और प्रभाव की गभीरता 'D' \_\_\_\_\_ रूप में संबंधित होनी चाहिए :

- (1)  $b = \frac{1}{2}$  स्पर्शज्या  $45^\circ$
- (2)  $b = \frac{1}{2}$  स्पर्शज्या  $22.5^\circ$
- (3)  $b = 2d$  स्पर्शज्या  $45^\circ$
- (4)  $b = 2d$  स्पर्शज्या  $22.5^\circ$

**Options :**

- 92090650201. 1
- 92090650202. 2
- 92090650203. 3
- 92090650204. 4

**Question Number : 52 Question Id : 92090612712 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 a rectangular channel with bottom width as 1 m and depth of flow as 0.5 m, the hydraulic radius will be:

- (1) 0.25 m
- (2) 0.50 m
- (3) 1.50 m
- (4) 2.0 m

**Options :**

- 92090650205. 1
- 92090650206. 2
- 92090650207. 3
- 92090650208. 4

**Question Number : 52 Question Id : 92090612712 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 आयाताकार प्रणाल की अधस्तल चौड़ाई 1 मी. और प्रवाह की गभीरता 0.5 मी. हो तो जलदृढ़ी त्रिज्या होगी:

- (1) 0.25 मी. (2) 0.50 मी.  
(3) 1.50 मी. (4) 2.0 मी.

**Options :**

92090650205. 1  
92090650206. 2  
92090650207. 3  
92090650208. 4

**Question Number : 53 Question Id : 92090612713 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 most economical rectangular channel section with bottom width 'b' and depth of flow 'd' should be related as:

- (1)  $b=d$  (2)  $b=\frac{d}{2}$   
(3)  $d=\frac{b}{2}$  (4)  $d=\frac{b}{4}$

**Options :**

92090650209. 1  
92090650210. 2  
92090650211. 3  
92090650212. 4

**Question Number : 53 Question Id : 92090612713 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**

किसी सर्वधिक आर्थिक आयाताकार प्रणाल अनुभाग की अधस्तल चौड़ाई 'b' और प्रवाह की गभीरता 'd' \_\_\_\_\_ रूप में संबंधित होनी चाहिए ।

- (1)  $b=d$  (2)  $b=\frac{d}{2}$   
(3)  $d=\frac{b}{2}$  (4)  $d=\frac{b}{4}$

**Options :**

92090650209. 1

92090650210. 2

92090650211. 3

92090650212. 4

**Question Number : 54 Question Id : 92090612714 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 Manning's roughness coefficient 'n', Chezy's coefficient 'c' and hydraulic radius of the section 'R' are related as:

(1)  $n = R^{\frac{1}{6}} / c$

(2)  $n = (R^{\frac{2}{3}}) / c$

(3)  $c = \left( R^{\frac{1}{6}} \right)^n$

(4)  $c = n.R^{\frac{1}{2}}$

**Options :**

92090650213. 1

92090650214. 2

92090650215. 3

92090650216. 4

**Question Number : 54 Question Id : 92090612714 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**

मैनिंग का रुक्षता गुणांक 'n', चेजी का गुणांक 'c' और अनुभाग की जलदृढ़ी त्रिज्या 'R' \_\_\_\_\_ रूप में सम्बंधित हैं

(1)  $n = R^{\frac{1}{6}} / c$

(2)  $n = (R^{\frac{2}{3}}) / c$

(3)  $c = \left( R^{\frac{1}{6}} \right)^n$

(4)  $c = n.R^{\frac{1}{2}}$

**Options :**

92090650213. 1

92090650214. 2

92090650215. 3

92090650216. 4

**Question Number : 55 Question Id : 92090612715 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**

An agriculture field has actual moisture content of 15% and its field capacity is 23% by weight. If the depth of root zone is 1.0 m and specific gravity of soil is 2.5, compute the depth of irrigation required.

- (1) 10 cm (2) 15 cm  
(3) 20 cm (4) 25 cm

**Options :**

92090650217. 1  
92090650218. 2  
92090650219. 3  
92090650220. 4

**Question Number : 55 Question Id : 92090612715 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**

किसी कृषि-क्षेत्र की वास्तविक आद्रता आधेय 15% और इसकी भारानुसार क्षेत्र धारिता 25% है। यदि मूल-क्षेत्र की गभीरता 1.0 मी. और मृदा का आपेक्षित घनत्व 2.5 हो तो अपेक्षित सिंचाई की गंभीरता का परिकलन कीजिए:

- (1) 10 से.मी. (2) 15 से.मी.  
(3) 20 से.मी. (4) 25 से.मी.

**Options :**

92090650217. 1  
92090650218. 2  
92090650219. 3  
92090650220. 4

**Question Number : 56 Question Id : 92090612716 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 180 hecter area is drained through a drain with average discharge rate of 2 m<sup>3</sup>/s. The drainage coefficient will be:

- (1) 5.6 cm (2) 7.6 cm  
(3) 9.6 cm (4) 10.6 cm

**Options :**

92090650221. 1  
92090650222. 2  
92090650223. 3

92090650224. 4

**Question Number : 56 Question Id : 92090612716 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**

180 हेक्टेयर क्षेत्र को किसी अपवाहिक के माध्यम से औसत आस्राव दर 2 मी<sup>2</sup>/से. से अपवाहित किया गया। अपवाह गुणांक होगी :

- |                |                 |
|----------------|-----------------|
| (1) 5.6 से.मी. | (2) 7.6 से.मी.  |
| (3) 9.6 से.मी. | (4) 10.6 से.मी. |

**Options :**

- 92090650221. 1
- 92090650222. 2
- 92090650223. 3
- 92090650224. 4

**Question Number : 57 Question Id : 92090612717 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 tile drains should be laid at the slope such that the minimum velocity of flow in tile should be:

- |             |             |
|-------------|-------------|
| (1) 60 cm/s | (2) 45 cm/s |
| (3) 30 cm/s | (4) 25 cm/s |

**Options :**

- 92090650225. 1
- 92090650226. 2
- 92090650227. 3
- 92090650228. 4

**Question Number : 57 Question Id : 92090612717 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**

खपड़ा ( टाईल) अपवाहिकाओं को इस प्रवणता पर तैयार किसी जाना चाहिए ताकि खपड़ा (टाईल) में प्रवाह का वेग \_\_\_\_\_ हो

- |                    |                    |
|--------------------|--------------------|
| (1) 60 से.मी./से.  | (2) 45 से.मी./ से. |
| (3) 30 से.मी./ से. | (4) 25 से.मी./ से. |

**Options :**

92090650225. 1  
92090650226. 2  
92090650227. 3  
92090650228. 4

**Question Number : 58 Question Id : 92090612718 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 value of conservation practice factor for universal soil loss equation in case of up-down cultivation is

- (1) 0.2 (2) 0.4  
(3) 0.8 (4) 1.0

**Options :**

92090650229. 1  
92090650230. 2  
92090650231. 3  
92090650232. 4

**Question Number : 58 Question Id : 92090612718 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**

अप-डाउन कृषि के मामले में सार्वभौम मृदा क्षय हेतु संरक्षण प्रक्रिया कारक का मान है:

- (1) 0.2 (2) 0.4  
(3) 0.8 (4) 1.0

**Options :**

92090650229. 1  
92090650230. 2  
92090650231. 3  
92090650232. 4

**Question Number : 59 Question Id : 92090612719 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 value of slope length factor in USLE for 22.1 m length of slope will be:

- (1) 1.0 (2) 0.8  
(3) 0.6 (4) 0.4



**Options :**

- 92090650233. 1
- 92090650234. 2
- 92090650235. 3
- 92090650236. 4

**Question Number : 59 Question Id : 92090612719 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**

यू.एस. एल. ई. में प्रवणता की लम्बाई हेतु प्रवणता लम्बाई कारक का मान होगा:

- |         |         |
|---------|---------|
| (1) 1.0 | (2) 0.1 |
| (3) 0.6 | (4) 0.4 |

**Options :**

- 92090650233. 1
- 92090650234. 2
- 92090650235. 3
- 92090650236. 4

**Question Number : 60 Question Id : 92090612720 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 bench terraces with level surface are to be built on a 30% sloped land. The vertical interval for the terraces with 4 m width will be:

- |           |           |
|-----------|-----------|
| (1) 0.8 m | (2) 1.0 m |
| (3) 1.2 m | (4) 1.6 m |

**Options :**

- 92090650237. 1
- 92090650238. 2
- 92090650239. 3
- 92090650240. 4

**Question Number : 60 Question Id : 92090612720 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**

समतल पृष्ठ वाले वैदिका कगारो को 30% प्रवणत भूमि बनाया जाना है | 4 मी. चौड़ाई वाली वेदिकाओं के लिए ऊर्ध्वाधर अन्तराल होगा :

- |             |             |
|-------------|-------------|
| (1) 0.8 मी. | (2) 1.0 मी. |
| (3) 1.2 मी. | (4) 1.6 मी. |

**Options :**

92090650237. 1  
92090650238. 2  
92090650239. 3  
92090650240. 4

**Question Number : 61 Question Id : 92090612721 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 low rainfall zone on 4% land slope, the vertical interval for contour bunds will be:

- |           |           |
|-----------|-----------|
| (1) 0.8 m | (2) 1.0 m |
| (3) 1.2 m | (4) 1.5 m |

**Options :**

92090650241. 1  
92090650242. 2  
92090650243. 3  
92090650244. 4

**Question Number : 61 Question Id : 92090612721 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**

4% भू-प्रवणता प्र किसी अल्प-वर्षण- क्षेत्र में समोच्च बंधों हेतु ऊर्ध्वाधर अन्तराल होगा:

- |             |             |
|-------------|-------------|
| (1) 0.8 मी. | (2) 1.0 मी. |
| (3) 1.2 मी. | (4) 1.5 मी. |

**Options :**

92090650241. 1  
92090650242. 2  
92090650243. 3  
92090650244. 4

**Question Number : 62 Question Id : 92090612722 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 silvi-pastoral system of land use indicate the practice of growing simultaneously:

- |                                      |   |
|--------------------------------------|---|
| (1) Horticultural and forest species | (2) Grasses and legums along with trees |
| (3) Grasses and cereal crops         | (4) Horticultural and cereal crops      |

**Options :**

- 92090650245. 1
- 92090650246. 2
- 92090650247. 3
- 92090650248. 4

**Question Number : 62 Question Id : 92090612722 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**

भूमि उपयोग की सिल्वी पशुचारणिक प्रणाली साथ-साथ वर्धन की प्रथा सूचित करती है :

- |                                    |                                    |
|------------------------------------|------------------------------------|
| (1) उद्यान कृषीय एवं वन प्रजातियाँ | (2) वृक्षों के साथ घासों और फलियाँ |
| (3) घासों और धानिय फसलें           | (4) उद्यान कृषीय और धानिय फसलें    |

**Options :**

- 92090650245. 1
- 92090650246. 2
- 92090650247. 3
- 92090650248. 4

**Question Number : 63 Question Id : 92090612723 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 confined aquifer of thickness 'b' and hydraulic conductivity 'k' will have the transmissibility 'T' as:

- |             |                 |
|-------------|-----------------|
| (1) $T=k/b$ | (2) $T=k.b$     |
| (3) $T=k+b$ | (4) $T=(k-1).b$ |

**Options :**

- 92090650249. 1
- 92090650250. 2
- 92090650251. 3
- 92090650252. 4

Question Number : 63 Question Id : 92090612723 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

स्थूलता 'b' और जलदृढ़ी चालकता 'K' वाले परिरुद्ध जलदृढ़ी की संचरणशीलता (T) क्या होगी ?

- (1)  $T=k/b$  (2)  $T=k.b$   
(3)  $T= k+b$  (4)  $T=(k-1).b$

Options :

92090650249. 1  
92090650250. 2  
92090650251. 3  
92090650252. 4

Question Number : 64 Question Id : 92090612724 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 velocity of water entering the well screen is about:

- (1) 1 cm/sec (2) 3 cm/sec  
(3) 5 cm/sec (4) 8 cm/sec

Options :

92090650253. 1  
92090650254. 2  
92090650255. 3  
92090650256. 4

Question Number : 64 Question Id : 92090612724 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

कूप छत्री में प्रवेश करने वाले जल का वेग लगभग \_\_\_\_ होती है।

- (1) 1 से.मी./ से. (2) 3 से.मी./ से.  
(3) 5 से.मी./ से. (4) 8 से.मी./ से.

Options :

92090650253. 1  
92090650254. 2  
92090650255. 3  
92090650256. 4

**Question Number : 65 Question Id : 92090612725 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 sub-injector directly supplies water to the root zone at a depth of:

- |              |              |
|--------------|--------------|
| (1) 5-10 cm  | (2) 10-15 cm |
| (3) 15-20 cm | (4) 20-30 cm |

**Options :**

- 92090650257. 1
- 92090650258. 2
- 92090650259. 3
- 92090650260. 4

**Question Number : 65 Question Id : 92090612725 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 उप-अन्तः क्षेपित्र कितनी गभीरता प्र मूल- क्षेत्र तक सीधी जलापूर्ति करता है ?

- |                  |                  |
|------------------|------------------|
| (1) 5-10 से.मी.  | (2) 10-15 से.मी. |
| (3) 15-20 से.मी. | (4) 20-30 से.मी. |

**Options :**

- 92090650257. 1
- 92090650258. 2
- 92090650259. 3
- 92090650260. 4

**Question Number : 66 Question Id : 92090612726 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 centrifugal pump fails to deliver water.

Reasons (R) : The foot valve or reflex valve of the suction line is defective.

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 :**

92090650261. 1
92090650262. 2
92090650263. 3
92090650264. 4

**Question Number : 66 Question Id : 92090612726 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 : एक केन्द्रापसारी दमकल (पंप) जल प्रदान करने में असफल हो जाता है

कारण R : चूषण रेखा का पाद कपाट या प्रतिवर्त कपाट सदोष है

उपरोक्त कथन के आलोक 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 सही हैं, लेकिन R, A की सही व्याख्या नहीं है
- (3) A सही है, लेकिन R सही नहीं है
- (4) A सही नहीं है, लेकिन R सही है

**Options :**

92090650261. 1

92090650262. 2

92090650263. 3

92090650264. 4

**Question Number : 67 Question Id : 92090612727 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) : The bench terraces with inward slope are adopted in heavy rainfall areas.

Reasons (R) : The runoff generated from heavy rainfall will move towards inside length of terraces without damaging the outer edge or shoulder bund of the terrace.

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 :**

92090650265. 1

92090650266. 2

92090650267. 3

92090650268. 4

**Question Number : 67 Question Id : 92090612727 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 : भारी वर्षा वाले क्षेत्रों में आभ्यन्तर प्रवणता वाली वेदिका कगारें अंग्रीकृत होती है

कारण R : भारी वर्षा से जनित वाह वेदिका की आन्तरिक लम्बाई की और बाहरी किनारे या वेदिका स्कन्ध बंध को बिना क्षति पहुँचाए चला जाएगा

उपरोक्त कथन के आलोक 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 सही हैं, लेकिन R, A की सही व्याख्या नहीं है
- (3) A सही हैं, लेकिन R सही नहीं है
- (4) A सही नहीं हैं, लेकिन R सही है

**Options :**

92090650265. 1
92090650266. 2
92090650267. 3
92090650268. 4

**Question Number : 68 Question Id : 92090612728 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 water has a sequence of processes as follows:

- (A) Hill erosion
- (B) Gully erosion
- (C) Sheet erosion
- (D) Stream bank erosion
- (E) Rain drop erosion

Choose the correct answer from the options given below :

- (1) (C), (A), (E), (D), (B)
- (2) (E), (B), (D), (A), (C)
- (3) (A), (C), (B), (E), (D)
- (4) (E), (C), (A), (B), (D)

**Options :**

92090650269. 1
92090650270. 2
92090650271. 3



92090650272. 4

**Question Number : 68 Question Id : 92090612728 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**

जल के द्वारा मृदा अपरदन की प्रक्रियाओं का अनुक्रम निम्नलिखित है:

- A. क्षुद्र सरिता अपरदन
- B. अवनालिका अपरदन
- C. परत अपरदन
- D. सरिता तट अपरदन
- E. वर्षा बिंदु अपरदन

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

- (1) C, A, E, D, B
- (2) E, B, D, A, C
- (3) A, C, B, E, D
- (4) E, C, A, B, D

**Options :**

- 92090650269. 1
- 92090650270. 2
- 92090650271. 3
- 92090650272. 4

**Question Number : 69 Question Id : 92090612729 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 :

Statement I : Snowfall and hail are the forms of precipitation.

Statement II : Convective and orographic are also the forms of precipitation.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650273. 1
92090650274. 2
92090650275. 3
92090650276. 4

**Question Number : 69 Question Id : 92090612729 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:

कथन I : हिमपात एवं करका/ओला वर्षण के प्रकार हैं।

कथन II : संवहनी और वृष्टिछाया भी वर्षण के प्रकार हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650273. 1
92090650274. 2
92090650275. 3
92090650276. 4

**Question Number : 70 Question Id : 92090612730 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 :

Statement I : Orographic type of precipitation generally occurs in coastal areas.

Statement II : Convective type of storm precipitation generally occurs in hilly areas.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650277. 1
92090650278. 2
92090650279. 3
92090650280. 4

**Question Number : 70 Question Id : 92090612730 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:

कथन I : वर्षण का वृष्टिछाया प्रकार सामान्यतया तटीय क्षेत्रों में घटित होता है।

कथन II : झंझावात वर्षण का संवहनी प्रकार सामान्यतया पर्वतीय क्षेत्रों में घटित होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650277. 1

92090650278. 2

92090650279. 3

92090650280. 4

**Question Number : 71 Question Id : 92090612731 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 :

Statement I : In a float type rain gauge, the siphoning takes place after collecting 10 mm rainfall.

Statement II : The tipping bucket type rain gauge generally works for the measurement of 10 cm rainfall in a day.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650281. 1

92090650282. 2

92090650283. 3

92090650284. 4

**Question Number : 71 Question Id : 92090612731 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:

कथन I : 10 से.मी. वर्षा के अनुप्रापण के पश्चात एक प्लवी प्रकार वर्षामापी में नली के द्वारा बहने या सिफॉनिंग का कार्य प्रारम्भ होता है।

कथन II : टपकन डोल प्रकार वर्षामापी सामान्यतया 10 से.मी. वर्षा के मापन हेतु कार्य करता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650281. 1
92090650282. 2
92090650283. 3
92090650284. 4

**Question Number : 72 Question Id : 92090612732 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 :

Statement I : The rainfall intensity at a place is generally inversely proportional to its duration.

Statement II : Isohyet method can be used to compute rainfall intensity at a place.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650285. 1
92090650286. 2
92090650287. 3
92090650288. 4

**Question Number : 72 Question Id : 92090612732 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:

कथन I : किसी स्थान पर वर्षाण तीव्रता सामान्यतया इसकी अवधि का व्युत्क्रमानुपाती होती है।

कथन II : समवर्षण प्रणाली को किसी स्थान पर वर्षण तीव्रता के अभिकलन हेतु प्रयुक्त किया जा सकता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650285. 1

92090650286. 2

92090650287. 3

92090650288. 4

**Question Number : 73 Question Id : 92090612733 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 :

Statement I : Evapotranspiration depends on temperature and relative humidity.

Statement II : Runoff generally depends on the climatic and physiographic factors.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650289. 1  
92090650290. 2  
92090650291. 3  
92090650292. 4

**Question Number : 73 Question Id : 92090612733 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:

कथन I : वाष्पोत्सर्जन तापमान और सापेक्षिक आर्द्रता पर निर्भर करता है।

कथन II : वह सामान्यतया जलवायु-विषयक और भूआकृतिक कारकों पर निर्भर करता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650289. 1  
92090650290. 2  
92090650291. 3  
92090650292. 4

**Question Number : 74 Question Id : 92090612734 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 :

Statement I : In a soil sample, the porosity ( $n$ ) and void ratio ( $e$ ) are related as:  $n = \frac{e}{1+e}$

Statement II : The dry bulk density of a soil sample is more than the wet bulk density.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650293. 1

92090650294. 2

92090650295. 3

92090650296. 4

**Question Number : 74 Question Id : 92090612734 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:

कथन I : एक मृदा प्रतिदर्श में सरम्भता ( $n$ ) और शून्यिका अनुपात ( $e$ ),  $n = \frac{e}{1+e}$  के रूप में सम्बंधित होते हैं।

कथन II : किसी मृदा प्रतिदर्श का शुष्क स्थूल घनत्व आर्द्र स्थूल घनत्व से अधिक होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**



- 92090650293. 1
- 92090650294. 2
- 92090650295. 3
- 92090650296. 4

**Question Number : 75 Question Id : 92090612735 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 :

Statement I : Soil texture can be changed by cultural practices.

Statement II : Soil structure can be modified by cultural practices.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

- 92090650297. 1
- 92090650298. 2
- 92090650299. 3
- 92090650300. 4

**Question Number : 75 Question Id : 92090612735 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:

कथन I : मृदा संव्यूति सांस्कृतिक प्रथाओं के द्वारा परिवर्तित की जा सकती है।

कथन II : मृदा संरचना सांस्कृतिक प्रथाओं के द्वारा रूपान्तरित की जा सकती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650297. 1

92090650298. 2

92090650299. 3

92090650300. 4

**Question Number : 76 Question Id : 92090612736 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 :

Statement I : As per USDA, the clay particles have diameter less than 0.002 mm.

Statement II : As per USDA, the gravel in a soil sample has the particle diameter more than 5 mm.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650301. 1

92090650302. 2

92090650303. 3

92090650304. 4

**Question Number : 76 Question Id : 92090612736 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:

कथन I : यू.एस.डी.ए.के अनुसार मृत्तिका कणों का व्यास 0.002 मी.मी. से कम होता है।

कथन II : यू.एस.डी.ए. के अनुसार किसी मृदा प्रतिदर्श में बजरी के कणों का व्यास 5 मि.मी. से अधिक होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650301. 1

92090650302. 2

92090650303. 3

92090650304. 4

**Question Number : 77 Question Id : 92090612737 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:

Statement I : A flowing artesian well penetrates the upper impervious layer of a confined aquifer.

Statement II : The piezometric surface in an artesian well remains below the ground surface.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650305. 1

92090650306. 2

92090650307. 3

92090650308. 4

**Question Number : 77 Question Id : 92090612737 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:

कथन I : एक प्रवाहमय एस्टरियन कूप किसी परिष्कृत जलभृत के ऊपरी अप्रवेश्य संस्तर का वेधन करता है।

कथन II : किसी एस्टरियन कूप में दाब समोच्च पृष्ठ भौम संस्तर के नीचे बना रहता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650305. 1

92090650306. 2

92090650307. 3

92090650308. 4

**Question Number : 78 Question Id : 92090612738 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:

- Statement I : For unconfined aquifer, the sum of specific yield and specific retention is equal to porosity.
- Statement II : In confined aquifer the product of hydraulic conductivity and thickness of aquifer is called transmissivity of the aquifer.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

92090650309. 1  
92090650310. 2  
92090650311. 3  
92090650312. 4

**Question Number : 78 Question Id : 92090612738 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:

कथन I : अपरिरुद्ध जलभृत हेतु, विशिष्ट लब्धि और विशिष्ट धारिता का योग सरंध्रता के बराबर होता है।

कथन II : किसी परिरुद्ध जलभृत में जलदृढ़ी संवाहकता और जलभृत की मोटाई का गुणनफल जलभृत की पारगम्यता कहलाती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650309. 1  
92090650310. 2  
92090650311. 3  
92090650312. 4

**Question Number : 79 Question Id : 92090612739 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 :

Statement I : Evapotranspiration for a crop can be estimated as a product of pan evaporation and crop coefficient.

Statement II : Evapotranspiration can not be measured under field conditions.

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

- (1) Both Statement I and Statement II are correct
- (2) Both Statement I and Statement II are incorrect
- (3) Statement I is correct but Statement II is incorrect
- (4) Statement I is incorrect but Statement II is correct

**Options :**

- 92090650313. 1
- 92090650314. 2
- 92090650315. 3
- 92090650316. 4

**Question Number : 79 Question Id : 92090612739 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:

कथन I : किसी फसल हेतु वाष्पोत्सर्जन, पूण वाष्पन तथा फसल गुणांक के गुणनफलके रूप में आकलित किया जा सकता है।

कथन II : वाष्पोत्सर्जन को क्षेत्र परिस्थिति के अन्तर्गत नहीं मापा जा सकता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

- 92090650313. 1
- 92090650314. 2
- 92090650315. 3
- 92090650316. 4

**Question Number : 80 Question Id : 92090612740 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 :

Statement I : Peizometric level is related to unconfined aquifers.

Statement II : A confined aquifer has water table as the water level.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

- 92090650317. 1
- 92090650318. 2
- 92090650319. 3
- 92090650320. 4

**Question Number : 80 Question Id : 92090612740 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:

कथन I : दाब समोच्च पृष्ठ अपरिरुद्ध जलभृत से सम्बद्ध है।

कथन II : एक परिरुद्ध जलभृत में भौम जल स्तर, जल स्तर के रूप में होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650317. 1
92090650318. 2
92090650319. 3
92090650320. 4

**Question Number : 81 Question Id : 92090612741 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 :

Statement I : If two centrifugal pumps are connected in series, the total discharge will become double.

Statement II : If two centrifugal pumps are connected in series, the total head developed will become double.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650321. 1
92090650322. 2



92090650323. 3

92090650324. 4

**Question Number : 81 Question Id : 92090612741 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:

कथन I : यदि दो केन्द्रापरसारी दम कल (पंप) परस्पर श्रेणी में आबद्ध हो तो आस्राव द्विगुणित हो जाएगा ।

कथन II : यदि दो केन्द्रापरसारी दमकल(पंप) परस्पर श्रेणी में आबद्ध हों तो कुल शीर्ष विकसित द्विगुणित हो जाएगा।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य है
- (2) कथन I और II दोनों असत्य है
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650321. 1

92090650322. 2

92090650323. 3

92090650324. 4

**Question Number : 82 Question Id : 92090612742 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 :

Statement I : If two centrifugal pumps are joined in parallel, the total discharge will become double.

Statement II : If two centrifugal pumps are joined in parallel, the total head developed will become double.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650325. 1
92090650326. 2
92090650327. 3
92090650328. 4

**Question Number : 82 Question Id : 92090612742 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:

कथन I : यदि दो केन्द्रापरसारी दमकल परस्पर समांतर रूप से जोड़े गए हों तो कुल आस्राव दोगुना हो जाएगा।

कथन II : यदि दो केन्द्रापरसारी दमकल परस्पर समांतर रूप से जोड़े गए हों तो कुल शीर्ष विकसित दोगुना हो जाएगा।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650325. 1
92090650326. 2
92090650327. 3

92090650328. 4

**Question Number : 83 Question Id : 92090612743 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 :

Statement I : A jet pump is used when the suction lift of centrifugal pump exceeds the permissible limit.

Statement II : The air lift pump uses compressed air for lifting water.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650329. 1

92090650330. 2

92090650331. 3

92090650332. 4

**Question Number : 83 Question Id : 92090612743 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:

कथन I : एक जेट दमकल (पंप) का तब प्रयोग किया जाता है जब केन्द्रापरसारी दमकल (पंप) का चूषण उत्पादन अनुज्ञेय सीमान्त का अतिक्रमण करता है।

कथन II : जल उत्पादन हेतु वायु उत्पापक दमकल (पंप) संपीडित वायु का प्रयोग है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650329. 1
92090650330. 2
92090650331. 3
92090650332. 4

**Question Number : 84 Question Id : 92090612744 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 :

Statement I : Rotary pump is a positive displacement pump.

Statement II : Reciprocating pump is rotodynamic pump.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650333. 1
92090650334. 2
92090650335. 3
92090650336. 4

**Question Number : 84 Question Id : 92090612744 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:

कथन I : घूर्णी दमकल (पंप) एक धनात्मक विस्थापन दमकल (पंप) है।

कथन II : प्रत्यागमनी दमकल (पंप) एक घूर्णगतिक दमकल (पंप) है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650333. 1
92090650334. 2
92090650335. 3
92090650336. 4

**Question Number : 85 Question Id : 92090612745 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 :

Statement I : Well development can be done by surging method.

Statement II : Water jet method is used for well drilling.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650337. 1

92090650338. 2

92090650339. 3

92090650340. 4

**Question Number : 85 Question Id : 92090612745 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:

कथन I : कूप परिवर्धन, प्रोत्कर्षण विधि द्वारा किया जाता सकता है।

कथन II : जल जेट विधि का प्रयोग कूप प्रवेधन हेतु किया जाता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650337. 1

92090650338. 2

92090650339. 3

92090650340. 4

**Question Number : 86 Question Id : 92090612746 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 :

Statement I : Agricultural drainage is necessary for the removal of excess water from root zone.

Statement II : Drainage is required for the removal of salts from the root zone.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

- 92090650341. 1
- 92090650342. 2
- 92090650343. 3
- 92090650344. 4

**Question Number : 86 Question Id : 92090612746 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:

कथन I : मूल क्षेत्र से अतिरिक्त जल के निराकरण हेतु कृषीय अपवाह तन्त्र आवश्यक है।

कथन II : मूल क्षेत्र से लवणों के अपनयन हेतु अपवाह तन्त्र की आवश्यकता होती है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

- 92090650341. 1

92090650342. 2

92090650343. 3

92090650344. 4

**Question Number : 87 Question Id : 92090612747 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 :

Statement I : Hooghoudt's equation is used to design the sub-surface drainage system.

Statement II : Manning's equation can be used to design the open ditch drainage system.

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

(1) Both Statement I and Statement II are true

(2) Both Statement I and Statement II are false

(3) Statement I is true but Statement II is false

(4) Statement I is false but Statement II is true

**Options :**

92090650345. 1

92090650346. 2

92090650347. 3

92090650348. 4

**Question Number : 87 Question Id : 92090612747 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:

कथन I : अधस्तल अपवाह तन्त्र को अभिकल्प करने के लिए हूघाँट के समीकरण का प्रयोग किया जाता है।

कथन II : खुली खाई अपवाह तन्त्र को अभिकल्प करने के लिए मैनिंग के समीकरण का प्रयोग किया जा सकता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650345. 1
92090650346. 2
92090650347. 3
92090650348. 4

**Question Number : 88 Question Id : 92090612748 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 :

Statement I : Mole drainage is used for surface drainage of an area.

Statement II : Mole drains are made with the help of mole plough and mole plug.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650349. 1  
92090650350. 2  
92090650351. 3  
92090650352. 4

**Question Number : 88 Question Id : 92090612748 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:

कथन I : किसी क्षेत्र के पृष्ठ अपवाह हेतु मोल अपवाह प्रयुक्त होता है।

कथन II : मोल हल एवं मोल डाट की सहायता से मोल अपवाहिकाएँ बनाई जाती हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650349. 1  
92090650350. 2  
92090650351. 3  
92090650352. 4

**Question Number : 89 Question Id : 92090612749 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 :

Statement I : Contour cultivation and contour bundling are biological measures for erosion control.

Statement II : Graded bundling and terracing are engineering measures for control of soil erosion.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

- 92090650353. 1
- 92090650354. 2
- 92090650355. 3
- 92090650356. 4

**Question Number : 89 Question Id : 92090612749 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:

कथन I : समोच्च कृषि और समोच्च बाँध निर्माण अपरदन को नियंत्रण हेतु जैव पैमाने है।

कथन II : प्रवणित बाँध निर्माण और वैदिका निर्माण मृदा अपरदन को नियंत्रित करने के लिए अभियांत्रिकी मापदण्ड हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य है
- (2) कथन I और II दोनों असत्य है
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

- 92090650353. 1

92090650354. 2

92090650355. 3

92090650356. 4

**Question Number : 90 Question Id : 92090612750 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 :

Statement I : Brushwood edging can be used for the protection of stream banks.

Statement II : Sodding or turfing can be used for protection of stream bank slopes.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650357. 1

92090650358. 2

92090650359. 3

92090650360. 4

**Question Number : 90 Question Id : 92090612750 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:

कथन I : सरिता- तीरों की संरक्षा हेतु झाड़ जंगल कोर सज्जा का प्रयोग किया जा सकता है।

कथन II : सरिता- तीर ढालों की संरक्षा हेतु सतृण भूखंड निर्माण या दर्भस्थल निर्माण किया जा सकता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650357. 1  
92090650358. 2  
92090650359. 3  
92090650360. 4

**Question Number : 91 Question Id : 92090612751 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 :

Statement I : Vegetative measures and tillage practices can reduce wind erosion.

Statement II : Vegetation cover and chemical measures can be used for stabilization of sand dunes.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650361. 1  
92090650362. 2

92090650363. 3

92090650364. 4

**Question Number : 91 Question Id : 92090612751 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:

कथन I : वनस्पति संस्तर और कर्षण व्यवहार वातीय अपरदन को कम सकते हैं।

कथन II : वनस्पति आवरण और रासायनिक उपाय बालू टिब्बों के स्थिरीकरण हेतु प्रयुक्त किए जा सकते हैं।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य है
- (2) कथन I और II दोनों असत्य है
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650361. 1

92090650362. 2

92090650363. 3

92090650364. 4

**Question Number : 92 Question Id : 92090612752 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 :

Statement I : Initiation and saltation are the phases of wind erosion.

Statement II : Suspension and transportation are the types of movement of soil particles by wind.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650365. 1
92090650366. 2
92090650367. 3
92090650368. 4

**Question Number : 92 Question Id : 92090612752 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:

कथन I : समारंभन और उत्परिवर्तन, वातीय अपरदन का प्रावस्थाएँ है।

कथन II : निलम्बन और परिवहन, वायु के द्वारा मृदा कणों के संचलन के प्रकार है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य है
- (2) कथन I और II दोनों असत्य है
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650365. 1
92090650366. 2
92090650367. 3

92090650368. 4

**Question Number : 93 Question Id : 92090612753 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 :

Statement I : The volute type of centrifugal pump is preferred for lower discharge.

Statement II : Volute type pump is desirable for low head applications.

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

- (1) Both Statement I and Statement II are true
- (2) Both Statement I and Statement II are false
- (3) Statement I is true but Statement II is false
- (4) Statement I is false but Statement II is true

**Options :**

92090650369. 1

92090650370. 2

92090650371. 3

92090650372. 4

**Question Number : 93 Question Id : 92090612753 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:

कथन I : अल्पतर आस्राव हेतु केन्द्रापसारी दमकल (पंप) के वलित (वाँल्युट) प्रकार अधिक पसंद किए जाते हैं।

कथन II : निम्न शीर्ष अनुप्रयोगों के लिए वलित (वाँल्युट) प्रकार का दमकल (पंप) वाञ्छनीय होता है।

उपरोक्त कथन के आलोक में, नीचे दिए गए विकल्पों में से सही उत्तर का चयन कीजिए:

- (1) कथन I और II दोनों सत्य हैं
- (2) कथन I और II दोनों असत्य हैं
- (3) कथन I सत्य है, लेकिन कथन II असत्य है
- (4) कथन I असत्य है, लेकिन कथन II सत्य है

**Options :**

92090650369. 1  
92090650370. 2  
92090650371. 3  
92090650372. 4

**Question Number : 94 Question Id : 92090612754 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 types of surface drainage system used in flat areas include:

- (A) Random drain system
- (B) Tile drain system
- (C) Parallel field drain system
- (D) Parallel open ditch system
- (E) Bedding system

Choose the correct answer from the options given below :

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

**Options :**

92090650373. 1  
92090650374. 2  
92090650375. 3  
92090650376. 4

**Question Number : 94 Question Id : 92090612754 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**

समतल क्षेत्रों में प्रयुक्त पृष्ठ अपवाह तन्त्र के प्रकार अन्तर्विष्ट करते हैं:

- A. यादृच्छिक अपहिका प्राणली
- B. खपड़ा (टाईल) अपहिका प्राणली
- C. समांतर क्षेत्र अपहिका प्राणली
- D. समांतर खुली खाई प्राणली
- E. संस्तरण प्राणली

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

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

**Options :**

- 92090650373. 1
- 92090650374. 2
- 92090650375. 3
- 92090650376. 4

**Question Number : 95 Question Id : 92090612755 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) Hydraulic ram	(I) Priming
(B) Centrifugal pump	(II) Under water operation
(C) Air lift pump	(III) No external power source
(D) Submersible pump	(IV) Compressed air

Choose the correct answer from the options given below :

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

**Options :**

92090650377. 1  
92090650378. 2  
92090650379. 3  
92090650380. 4

**Question Number : 95 Question Id : 92090612755 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 के साथ सूची II का मिलान कीजिए :

सूची-I	सूची-II
(A) जलदृढ़ी पुंमेष	(I) उपक्रामण
(B) केन्द्रापसारी ( दमकल) पंप	(II) जलगत प्रचालन
(C) वायु उत्थापक दमकल(पंप)	(III) कोई बाह्य शक्ति-स्त्रोत नहीं
(D) निमज्नीय दमकल (पंप)	(IV) संपीडित वायु

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

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

**Options :**

92090650377. 1  
92090650378. 2

92090650379. 3

92090650380. 4

**Question Number : 96 Question Id : 92090612756 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) Cavity well	(I) Uniformity coefficient
(B) Sieve analysis	(II) No strainer
(C) Gravitational water	(III) Soil moisture
(D) Tensiometer	(IV) Free water

Choose the correct answer from the options given below :

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

**Options :**

92090650381. 1

92090650382. 2

92090650383. 3

92090650384. 4

**Question Number : 96 Question Id : 92090612756 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 के साथ सूची II का मिलान कीजिए :

सूची-I	सूची-II
(A) कोटरीय कूप	(I) एकरूपता गुणांक
(B) छत्री विश्लेषण	(II) चालनित्र नहीं
(C) गुरुत्वीय जल	(III) मृदा आर्द्रता
(D) पृष्ठतनावमापी	(IV) मुक्त जल

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

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

**Options :**

92090650381. 1
92090650382. 2
92090650383. 3
92090650384. 4

**Question Number : 97 Question Id : 92090612757 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) Duty	(I) Stream bank erosion
(B) Spur	(II) Wind erosion
(C) Surface creep	(III) Agroforestry system
(D) Alley cropping	(IV) Depth of water

Choose the correct answer from the options given below :

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

**Options :**

92090650385. 1
92090650386. 2

92090650387. 3

92090650388. 4

**Question Number : 97 Question Id : 92090612757 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 के साथ सूची II का मिलान कीजिए :

सूची-I	सूची-II
(A) जलमान	(I) सरिता तट अपरदन
(B) लोष्ठक	(II) वायु अपरदन
(C) पृष्ठीय सर्पण	(III) कृषिवानिकी प्रणाली
(D) तिथि-सस्यन	(IV) जल की गभीरता

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

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

**Options :**

92090650385. 1

92090650386. 2

92090650387. 3

92090650388. 4

**Question Number : 98 Question Id : 92090612758 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) Herring bone	(I) Centrifugal pump
(B) Impeller	(II) Well development
(C) Surging	(III) Aquifer
(D) Aquiclude	(IV) Tile drainage

Choose the correct answer from the options given below :

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

**Options :**

92090650389. 1  
92090650390. 2  
92090650391. 3  
92090650392. 4

**Question Number : 98 Question Id : 92090612758 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 के साथ सूची II का मिलान कीजिए :

सूची-I	सूची-II
(A) आड़ा (हेरिंग बोन)	(I) केन्द्रापसारी दमकल(पंप)
(B) आवेजक	(II) कूप परिवृद्धि
(C) प्रोत्कर्षण	(III) जलभृत
(D) मितजलभृत	(IV) खपड़ा (टाईल) अपवाह

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

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

**Options :**

92090650389. 1  
92090650390. 2

92090650391. 3

92090650392. 4

**Question Number : 99 Question Id : 92090612759 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) Chute spillway	(I) Drip irrigation
(B) Anti-seep collar	(II) Drop inlet structure
(C) Grid iron	(III) SAF stilling basin
(D) Emitters	(IV) Tile drains

Choose the correct answer from the options given below :

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

**Options :**

92090650393. 1

92090650394. 2

92090650395. 3

92090650396. 4

**Question Number : 99 Question Id : 92090612759 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 के साथ सूची II का मिलान कीजिए:

सूची-I	सूची-II
(A) प्रवणिका अधिप्लव मार्ग	(I) द्रप्स (बूँद) सिंचाई
(B) गैर निस्थंद कॉलर	(II) बूँद अंतर्गम संरचना
(C) जालीदारा लोहपात्र	(III) एस ए एफ स्थिरण द्रोणी
(D) उत्सर्जक	(IV) खपड़ा (टाईल) अपवाहिका

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

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

**Options :**

92090650393. 1  
92090650394. 2  
92090650395. 3  
92090650396. 4

**Question Number : 100 Question Id : 92090612760 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) Arc view	(I) GIS
(B) Plotter	(II) Software
(C) Raster	(III) Land use-land cover
(D) Thematic map	(IV) Hardware

Choose the correct answer from the options given below :

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

**Options :**

92090650397. 1

92090650398. 2

92090650399. 3

92090650400. 4

**Question Number : 100 Question Id : 92090612760 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 के साथ सूची II का मिलान कीजिए :

सूची-I	सूची-II
(A) चाप दृश्य	(I) जी आई एस
(B) आलेखित	(II) मृदा सामग्री
(C) चित्ररेखपुंज	(III) भूमि उपयोग-भूमि आवरण
(D) उष्णतीय मानचित्र	(IV) यंत्र सामग्री

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

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

**Options :**

92090650397. 1

92090650398. 2

92090650399. 3

92090650400. 4