

National Testing Agency

Question Paper Name :	Water Engineering and Management Eng 30th June 2023 Shift 3
Subject Name :	Water Engineering and Management Eng
Creation Date :	2023-06-30 23:01:21
Duration :	120
Total Marks :	400
Display Marks:	Yes

Water Engineering and Management

Group Number :	1
Group Id :	686340444
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Part A

Section Id :	686340883
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	21
Number of Questions to be attempted :	21
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	6863401463
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 68634044857 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

Before the 1920s, film used to be silent with just the action on the scene along with subtitles. Come the decade of 1920 and the advent of new technology, the filmmakers had the possibility to synchronise a soundtrack with the action on the screen. This included dialogues, musical score and special effects. After this development, the movies were called talkies since the audience was able to hear the actors talk with each other. There was no stopping from then on and the next significant development was the introduction of colour. However, colour movies were somewhat slow to catch on, especially when compared to the addition of sound to the movie. Another reason for this slow acceptance of colour was the considerable developing and processing cost it entailed. With passing of time, and improving technology, the colour processing became as affordable as black-and-white films. More and more movies were filmed in colour to a point when the film makers did away with black-and-white films.

Sub questions

Question Number : 1 Question Id : 68634044858 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Movies that had no sound were called _____ movies

1. dumb
2. mute
3. muffled
4. silent

Options :

686340177201. 1
686340177202. 2
686340177203. 3
686340177204. 4

Question Number : 2 Question Id : 68634044859 Question Type : MCQ Option Shuffling : No 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 acceptance of colour movies was a little slow compared to the _____

1. simileys
2. selfies
3. besties
4. talkies

Options :

686340177205. 1
686340177206. 2
686340177207. 3
686340177208. 4

Question Number : 3 Question Id : 68634044860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Colour movies were little slow on the uptake owing to their high _____ and _____ costs.

1. processing/ developing
2. reviewing/developing
3. filming / processing
4. filming/developing

Options :

686340177209. 1
686340177210. 2
686340177211. 3
686340177212. 4

Question Number : 4 Question Id : 68634044861 Question Type : MCQ Option Shuffling : No 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 _____ of the soundtrack to the action in the film revolutionized the process of film making.

1. stitching
2. synchronization
3. adhering
4. business

Options :

686340177213. 1
686340177214. 2
686340177215. 3
686340177216. 4

Question Number : 5 Question Id : 68634044862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What is the main idea of the passage?

1. Film making is an easy job.
2. Advancement in technology has had a tremendous impact on film making
3. Silent movies and talkies were destined to become obsolete
4. Colour movies with a soundtrack are better than black-and-white movies with a soundtrack.

Options :

686340177217. 1
686340177218. 2
686340177219. 3
686340177220. 4

Question Id : 68634044857 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

Before the 1920s, film used to be silent with just the action on the scene along with subtitles. Come the decade of 1920 and the advent of new technology, the filmmakers had the possibility to synchronise a soundtrack with the action on the screen. This included dialogues, musical score and special effects. After this development, the movies were called talkies since the audience was able to hear the actors talk with each other. There was no stopping from then on and the next significant development was the introduction of colour. However, colour movies were somewhat slow to catch on, especially when compared to the addition of sound to the movie. Another reason for this slow acceptance of colour was the considerable developing and processing cost it entailed. With passing of time, and improving technology, the colour processing became as affordable as black-and-white films. More and more movies were filmed in colour to a point when the film makers did away with black-and-white films.

Sub questions

Question Number : 1 Question Id : 68634044858 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Movies that had no sound were called _____ movies

1. dumb
2. mute
3. muffled
4. silent

Options :

686340177201. 1
686340177202. 2
686340177203. 3
686340177204. 4

Question Number : 2 Question Id : 68634044859 Question Type : MCQ Option Shuffling : No 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 acceptance of colour movies was a little slow compared to the _____

1. simileys
2. selfies
3. besties
4. talkies

Options :

686340177205. 1
686340177206. 2
686340177207. 3
686340177208. 4

Question Number : 3 Question Id : 68634044860 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Colour movies were little slow on the uptake owing to their high _____ and _____ costs.

1. processing/ developing
2. reviewing/developing
3. filming / processing
4. filming/developing

Options :

686340177209. 1
686340177210. 2
686340177211. 3
686340177212. 4

Question Number : 4 Question Id : 68634044861 Question Type : MCQ Option Shuffling : No 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 _____ of the soundtrack to the action in the film revolutionized the process of film making.

1. stitching
2. synchronization
3. adhering
4. business

Options :

686340177213. 1
686340177214. 2
686340177215. 3

Question Number : 5 Question Id : 68634044862 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What is the main idea of the passage?

1. Film making is an easy job.
2. Advancement in technology has had a tremendous impact on film making
3. Silent movies and talkies were destined to become obsolete
4. Colour movies with a soundtrack are better than black-and-white movies with a soundtrack.

Options :

686340177217. 1
686340177218. 2
686340177219. 3
686340177220. 4

Sub-Section Number :

2

Sub-Section Id :

6863401464

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 6 Question Id : 68634044863 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct sequence of the four phrases given below to make a meaningful sentence.

- A. the tangled oak treetops that you can barely see the sky
- B. moss and lichen drip so thickly from
- C. in the southwest of England
- D. in Wistman's Wood in Dartmoor National Park

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

Options :

686340177221. 1
686340177222. 2
686340177223. 3
686340177224. 4

Question Number : 6 Question Id : 68634044863 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct sequence of the four phrases given below to make a meaningful sentence.

- A. the tangled oak treetops that you can barely see the sky
- B. moss and lichen drip so thickly from
- C. in the southwest of England
- D. in Wistman's Wood in Dartmoor National Park

1. A, B, C, D

2. D, C, B, A

3. B, D, A, C

4. C, A, D, B

Options :

686340177221. 1

686340177222. 2

686340177223. 3

686340177224. 4

Question Number : 7 Question Id : 68634044864 Question Type : MCQ Option Shuffling : No 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 one-word substitute for "the art of beautiful handwriting"?

- 1. Epigraphy
- 2. Calligraphy
- 3. Cartography
- 4. Topography

Options :

686340177225. 1

686340177226. 2

686340177227. 3

686340177228. 4

Question Number : 7 Question Id : 68634044864 Question Type : MCQ Option Shuffling : No 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 one-word substitute for "the art of beautiful handwriting"?

1. Epigraphy
2. Calligraphy
3. Cartography
4. Topography

Options :

686340177225. 1
686340177226. 2
686340177227. 3
686340177228. 4

Question Number : 8 Question Id : 68634044865 Question Type : MCQ Option Shuffling : No 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 can be taken to be synonym for 'obstreperous'?

1. objectionable
2. sycophantic
3. disruptive
4. obsequious

Options :

686340177229. 1
686340177230. 2
686340177231. 3
686340177232. 4

Question Number : 8 Question Id : 68634044865 Question Type : MCQ Option Shuffling : No 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 can be taken to be synonym for 'obstreperous'?

1. objectionable
2. sycophantic
3. disruptive
4. obsequious

Options :

686340177229. 1
686340177230. 2

686340177231. 3

686340177232. 4

Question Number : 9 Question Id : 68634044866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct pair of prepositions to fill in the blanks of the following sentence:

She walked _____ her friend _____ the rally to support the workers.

1. beside, during
2. besides, beside
3. during, beside
4. with, on

Options :

686340177233. 1

686340177234. 2

686340177235. 3

686340177236. 4

Question Number : 9 Question Id : 68634044866 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Choose the correct pair of prepositions to fill in the blanks of the following sentence:

She walked _____ her friend _____ the rally to support the workers.

1. beside, during
2. besides, beside
3. during, beside
4. with, on

Options :

686340177233. 1

686340177234. 2

686340177235. 3

686340177236. 4

Question Number : 10 Question Id : 68634044867 Question Type : MCQ Option Shuffling : No 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 Word		LIST II Type of pronoun	
A.	what	I.	reflexive
B.	myself	II.	relative
C.	his	III.	indefinite
D.	somewhere	IV.	possessive

Choose the most appropriate answer from the options given below:

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

Options :

686340177237. 1
686340177238. 2
686340177239. 3
686340177240. 4

Question Number : 10 Question Id : 68634044867 Question Type : MCQ Option Shuffling : No 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 Word		LIST II Type of pronoun	
A.	what	I.	reflexive
B.	myself	II.	relative
C.	his	III.	indefinite
D.	somewhere	IV.	possessive

Choose the most appropriate answer from the options given below:

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

Options :

686340177237. 1
686340177238. 2
686340177239. 3
686340177240. 4

Question Number : 11 Question Id : 68634044868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Find the average of first five multiples of 3 and first five multiples of 5.

- 1. 20
- 2. 16
- 3. 12
- 4. 22

Options :

686340177241. 1
686340177242. 2
686340177243. 3
686340177244. 4

Question Number : 11 Question Id : 68634044868 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Find the average of first five multiples of 3 and first five multiples of 5.

- 1. 20
- 2. 16
- 3. 12
- 4. 22

Options :

686340177241. 1
686340177242. 2
686340177243. 3
686340177244. 4

Question Number : 12 Question Id : 68634044869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Simplify

$$0.9 - [2.3 - 3.2 - (7.3 - 5.4 - 3.7)]$$

1. 0.18

2. 0

3. 1.8

4. -2.6

Options :

686340177245. 1

686340177246. 2

686340177247. 3

686340177248. 4

Question Number : 12 Question Id : 68634044869 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Simplify

$$0.9 - [2.3 - 3.2 - (7.3 - 5.4 - 3.7)]$$

1. 0.18

2. 0

3. 1.8

4. -2.6

Options :

686340177245. 1

686340177246. 2

686340177247. 3

686340177248. 4

Question Number : 13 Question Id : 68634044870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Perimeter of a square is same as perimeter of a rectangle. If sides of rectangle are in the ratio 17:11, then find the ratio in the areas of the square and the rectangle.

1. 17:11
2. 10:9
3. 114:113
4. 196:187

Options :

686340177249. 1
686340177250. 2
686340177251. 3
686340177252. 4

Question Number : 13 Question Id : 68634044870 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Perimeter of a square is same as perimeter of a rectangle. If sides of rectangle are in the ratio 17:11, then find the ratio in the areas of the square and the rectangle.

1. 17:11
2. 10:9
3. 114:113
4. 196:187

Options :

686340177249. 1
686340177250. 2
686340177251. 3
686340177252. 4

Question Number : 14 Question Id : 68634044871 Question Type : MCQ Option Shuffling : No 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 a certain sum of money lent at 16% per annum, the difference between the compound interest for 1 year, payable half yearly and the simple interest for 1 year is ₹ 56. The sum is:

1. ₹ 5,780
2. ₹ 7,805
3. ₹ 7,850
4. ₹ 8,750

Options :

- 686340177253. 1
- 686340177254. 2
- 686340177255. 3
- 686340177256. 4

Question Number : 14 Question Id : 68634044871 Question Type : MCQ Option Shuffling : No 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 a certain sum of money lent at 16% per annum, the difference between the compound interest for 1 year, payable half yearly and the simple interest for 1 year is ₹ 56. The sum is:

- 1. ₹ 5,780
- 2. ₹ 7,805
- 3. ₹ 7,850
- 4. ₹ 8,750

Options :

- 686340177253. 1
- 686340177254. 2
- 686340177255. 3
- 686340177256. 4

Question Number : 15 Question Id : 68634044872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

The average age of three boys is 22 years. Eight times the age of the youngest of them is 3 times the sum of the ages of the other two boys. Find the age of the eldest of them if he is 8 years older to the youngest of them.

- 1. 24 years
- 2. 25 years
- 3. 26 years
- 4. 28 years

Options :

- 686340177257. 1
- 686340177258. 2
- 686340177259. 3
- 686340177260. 4

Question Number : 15 Question Id : 68634044872 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

The average age of three boys is 22 years. Eight times the age of the youngest of them is 3 times the sum of the ages of the other two boys. Find the age of the eldest of them if he is 8 years older to the youngest of them.

1. 24 years
2. 25 years
3. 26 years
4. 28 years

Options :

686340177257. 1
686340177258. 2
686340177259. 3
686340177260. 4

Question Number : 16 Question Id : 68634044873 Question Type : MCQ Option Shuffling : No 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 is the statement followed by two conclusions numbered I and II.

Statement : Our securities investment carry market risk. Consult your investment advisor or agent before investing.

Conclusions I : One should not invest in securities.

II : The investment advisor calculates the market risk with certainty.

Identify which of the conclusions follows the given statement:

1. Only II follows
2. Only I follows
3. Both I and II follows
4. Either I or II follows

Options :

686340177261. 1
686340177262. 2
686340177263. 3
686340177264. 4

Question Number : 16 Question Id : 68634044873 Question Type : MCQ Option Shuffling : No 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 is the statement followed by two conclusions numbered I and II.

Statement : Our securities investment carry market risk. Consult your investment advisor or agent before investing.

Conclusions I : One should not invest in securities.

II : The investment advisor calculates the market risk with certainty.

Identify which of the conclusions follows the given statement:

1. Only II follows
2. Only I follows
3. Both I and II follows
4. Either I or II follows

Options :

686340177261. 1
686340177262. 2
686340177263. 3
686340177264. 4

Question Number : 17 Question Id : 68634044874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Find the correct water image of the given figure (X)

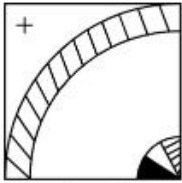
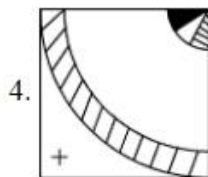
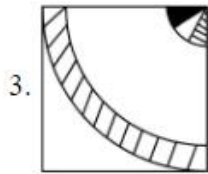
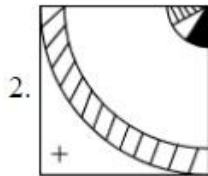
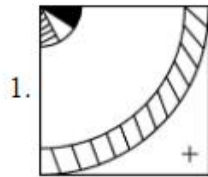


Fig (x)



Options :

686340177265. 1

686340177266. 2

686340177267. 3

686340177268. 4

Question Number : 17 Question Id : 68634044874 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Find the correct water image of the given figure (X)

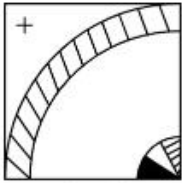
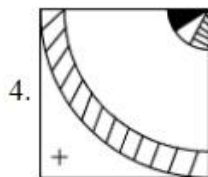
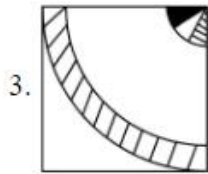
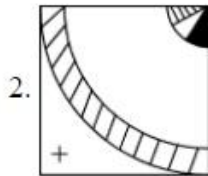
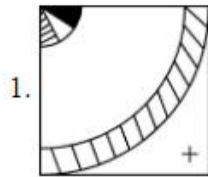


Fig (x)



Options :

686340177265. 1

686340177266. 2

686340177267. 3

686340177268. 4

Question Number : 18 Question Id : 68634044875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

In a certain coding system, if $2 = 5$, $4 = 18$, $6 = 39$ then $10 = ?$

1. 105

2. 104

3. 89

4. 54

Options :

686340177269. 1

686340177270. 2
686340177271. 3
686340177272. 4

Question Number : 18 Question Id : 68634044875 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

In a certain coding system, if $2 = 5$, $4 = 18$, $6 = 39$ then $10 = ?$

1. 105
2. 104
3. 89
4. 54

Options :

686340177269. 1
686340177270. 2
686340177271. 3
686340177272. 4

Question Number : 19 Question Id : 68634044876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Find the mirror image of the given combination

"AN54WMG3"

1. 3GMW42NA
2. 3GMW42NV
3. 3GMW42NA
4. 3GMW42NV

Options :

686340177273. 1
686340177274. 2
686340177275. 3
686340177276. 4

Question Number : 19 Question Id : 68634044876 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Find the mirror image of the given combination

"AN54WMG3"

1. 3DMW42NA

2. 3DWM42NV

3. 3GWM42NV

4. 3DWM42NV

Options :

686340177273. 1

686340177274. 2

686340177275. 3

686340177276. 4

Question Number : 20 Question Id : 68634044877 Question Type : MCQ Option Shuffling : No 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 you were born on 6th November, 1983, which was a Sunday, then on which day of the week does your birthday fall in 1984?

1. Monday

2. Wednesday

3. Tuesday

4. Friday

Options :

686340177277. 1

686340177278. 2

686340177279. 3

686340177280. 4

Question Number : 20 Question Id : 68634044877 Question Type : MCQ Option Shuffling : No 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 you were born on 6th November, 1983, which was a Sunday, then on which day of the week does your birthday fall in 1984?

1. Monday
2. Wednesday
3. Tuesday
4. Friday

Options :

686340177277. 1
686340177278. 2
686340177279. 3
686340177280. 4

Question Number : 21 Question Id : 68634044878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Satellite having the same orbital period as the period of rotation of the earth about its own axis is known as

1. Polar Satellite
2. Stationary Satellite
3. Geostationary Satellite
4. INSAT

Options :

686340177281. 1
686340177282. 2
686340177283. 3
686340177284. 4

Question Number : 21 Question Id : 68634044878 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Satellite having the same orbital period as the period of rotation of the earth about its own axis is known as

1. Polar Satellite
2. Stationary Satellite
3. Geostationary Satellite
4. INSAT

Options :

686340177281. 1
686340177282. 2
686340177283. 3
686340177284. 4

Question Number : 22 Question Id : 68634044879 Question Type : MCQ Option Shuffling : No 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 Aluminium company		LIST II Location	
A.	BALCO	I.	HIRAKUND
B.	HINDALCO	II.	KORBA
C.	Indian Aluminum Company	III.	KORAPUT
D.	NALCO	IV.	RENUKOAT

Choose the most appropriate answer from the options given below:

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

Options :

686340177285. 1
686340177286. 2
686340177287. 3
686340177288. 4

Question Number : 22 Question Id : 68634044879 Question Type : MCQ Option Shuffling : No 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 Aluminium company		LIST II Location	
A.	BALCO	I.	HIRAKUND
B.	HINDALCO	II.	KORBA
C.	Indian Aluminum Company	III.	KORAPUT
D.	NALCO	IV.	RENUKOAT

Choose the most appropriate answer from the options given below:

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

Options :

686340177285. 1
686340177286. 2
686340177287. 3
686340177288. 4

Question Number : 23 Question Id : 68634044880 Question Type : MCQ Option Shuffling : No 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 speaker can stop a member of Parliament from speaking and let another member speak. This phenomenon is known as _____

1. Decorum
2. Crossing the floor
3. Interpellation
4. Yielding the floor

Options :

686340177289. 1
686340177290. 2
686340177291. 3
686340177292. 4

Question Number : 23 Question Id : 68634044880 Question Type : MCQ Option Shuffling : No 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 speaker can stop a member of Parliament from speaking and let another member speak. This phenomenon is known as _____

1. Decorum
2. Crossing the floor
3. Interpellation
4. Yielding the floor

Options :

686340177289. 1
686340177290. 2
686340177291. 3
686340177292. 4

Question Number : 24 Question Id : 68634044881 Question Type : MCQ Option Shuffling : No 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 Religious Institution		LIST II Founder	
A.	Arya Samaj	I.	Gopal Krishna Gokhle
B.	Ramakrishna Mission	II.	N.M.Joshi
C.	Servant of Indian society	III.	Dayanand Saraswati
D.	Social Sevice League	IV.	Swami Vivekananda

Choose the most appropriate answer from the options given below:

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

Options :

686340177293. 1
686340177294. 2
686340177295. 3
686340177296. 4

Question Number : 24 Question Id : 68634044881 Question Type : MCQ Option Shuffling : No 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 Religious Institution		LIST II Founder	
A.	Arya Samaj	I.	Gopal Krishna Gokhle
B.	Ramakrishna Mission	II.	N.M.Joshi
C.	Servant of Indian society	III.	Dayanand Saraswati
D.	Social Sevice League	IV.	Swami Vivekananda

Choose the most appropriate answer from the options given below:

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

Options :

686340177293. 1
686340177294. 2
686340177295. 3
686340177296. 4

Question Number : 25 Question Id : 68634044882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Point of origin of earthquake wave is known as _____

1. Seismic zone
2. Focus
3. Photosphere
4. Epicentre

Options :

686340177297. 1
686340177298. 2
686340177299. 3
686340177300. 4

Question Number : 25 Question Id : 68634044882 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Point of origin of earthquake wave is known as _____

1. Seismic zone
2. Focus
3. Photosphere
4. Epicentre

Options :

686340177297. 1
686340177298. 2
686340177299. 3
686340177300. 4

Part B: Water Engineering and Management

Section Id :	686340884
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	6863401465
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 26 Question Id : 68634044883 Question Type : MCQ Option Shuffling : No 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.	Uniform flow	I.	Flow through a water supply pipe.
B.	Laminar flow	II.	Flow through a straight tube of uniform diameter and uniform roughness
C.	Turbulent flow	III.	Flow above the drain hole of wash basin
D.	Irrrotational flow	IV.	Flow of blood in veins and Arteries

Choose the correct answer from the options given below:

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

Options :

686340177301. 1
686340177302. 2
686340177303. 3
686340177304. 4

Question Number : 26 Question Id : 68634044883 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	एकसमान प्रवाह	I.	एक जल आपूर्ति पाइप से हो कर प्रवाह
B.	पर्णदलीय (laminar) प्रवाह	II.	एक समान व्यास और एक समान खुरदुरेपन की एक सीधी ट्यूब से होकर प्रवाह
C.	अशांत (Turbulent) प्रवाह	III.	वाँश बेसिन के ड्रेन छिद्र (hole) के उपर से प्रवाह
D.	अघूर्णी प्रवाह	IV.	शिरा और धमनियाँ में रक्त प्रवाह

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177301. 1
686340177302. 2

686340177303. 3

686340177304. 4

Question Number : 27 Question Id : 68634044884 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

When the water surface coincides the top edge of a rectangular vertical 40m (wide) x 3m (deep), then the depth of center of pressure is.

1. 1 m
2. 1.5 m
3. 2 m
4. 2.5 m

Options :

686340177305. 1

686340177306. 2

686340177307. 3

686340177308. 4

Question Number : 27 Question Id : 68634044884 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जब जल की सतह एक आयताकार ऊर्ध्व द्वार 40 m (चौड़ा) × 3m (गहरा), से मेल खाती है तो दाब के केन्द्र की गहराई होगी:-

1. 1 m
2. 1.5 m
3. 2 m
4. 2.5 m

Options :

686340177305. 1

686340177306. 2

686340177307. 3

686340177308. 4

Question Number : 28 Question Id : 68634044885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Unit of kinematic viscosity is.

1. m^2/sec
2. $\text{Newton sec}/\text{m}^2$
3. $\text{Newton sec}/\text{m}^3$
4. $\text{Kg sec}/\text{m}^2$

Options :

686340177309. 1
686340177310. 2
686340177311. 3
686340177312. 4

Question Number : 28 Question Id : 68634044885 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

गतीक श्यानता की इकाई है

1. $\text{मी}^2 / \text{सेकण्ड}$
2. $\text{न्यूटन सेकण्ड} / \text{मी}^2$
3. $\text{न्यूटन सेकण्ड} / \text{मी}^3$
4. $\text{कि.ग्रा सेकण्ड} / \text{मी}^2$

Options :

686340177309. 1
686340177310. 2
686340177311. 3
686340177312. 4

Question Number : 29 Question Id : 68634044886 Question Type : MCQ Option Shuffling : No 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 dimensional formula of force is:

1. MLT^{-2}
2. $\text{M}^{-1} \text{LT}^2$
3. $\text{ML}^{-2} \text{T}$
4. $\text{M}^{-1} \text{L}^2 \text{T}^{-2}$

Options :

686340177313. 1
686340177314. 2
686340177315. 3
686340177316. 4

Question Number : 29 Question Id : 68634044886 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

बल का आयामी सूत्र है

1. MLT^{-2}
2. $M^{-1}LT^2$
3. $ML^{-2}T$
4. $M^{-1}L^2T^{-2}$

Options :

686340177313. 1
686340177314. 2
686340177315. 3
686340177316. 4

Question Number : 30 Question Id : 68634044887 Question Type : MCQ Option Shuffling : No 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: As temperature increases, viscosity of air decreases.

Reason R: As the temperature increases, activity of air molecule increases.

In the light of the above statements, choose the correct 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 true but R is false
4. A is true but R is true

Options :

686340177317. 1
686340177318. 2
686340177319. 3
686340177320. 4

Question Number : 30 Question Id : 68634044887 Question Type : MCQ Option Shuffling : No 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: जब तापमान बढ़ता है, हवा की श्यानता घटती है

कारण R: जब तापमान बढ़ता है, वायु अणुओं की गतिविधि बढ़ जाती 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 और 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 :

686340177317. 1
686340177318. 2
686340177319. 3
686340177320. 4

Question Number : 31 Question Id : 68634044888 Question Type : MCQ Option Shuffling : No 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 stream function for a two-dimensional flow is given by $\Psi = 2xy$. the velocity at (2,2) is.

1. $4\sqrt{2}$
2. 4
3. $2\sqrt{2}$
4. $\sqrt{2}$

Options :

686340177321. 1
686340177322. 2
686340177323. 3
686340177324. 4

Question Number : 31 Question Id : 68634044888 Question Type : MCQ Option Shuffling : No 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 द्विआयामीय प्रवाह के लिए धारा (प्रवाह) फलन $\Psi = 2xy$ है। (2,1) पर वेग है

1. $4\sqrt{2}$
2. 4
3. $2\sqrt{2}$
4. $\sqrt{2}$

Options :

686340177321. 1
686340177322. 2
686340177323. 3
686340177324. 4

Question Number : 32 Question Id : 68634044889 Question Type : MCQ Option Shuffling : No 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 modulus of Rupture of Lime mortar (28 days curing) should not be less than.

1. 1 N/mm^2
2. 2 N/mm^2
3. 2.5 N/mm^2
4. 3.0 N/mm^2

Options :

686340177325. 1
686340177326. 2
686340177327. 3
686340177328. 4

Question Number : 32 Question Id : 68634044889 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

द्रवीय (hydraulic) चुना मोर्टार (28 दिन, तिराई) के विकिरण/ टूटने का मापांक _____ से कम नहीं होना चाहिए।

1. 1 N/mm^2
2. 2 N/mm^2
3. 2.5 N/mm^2
4. 3.0 N/mm^2

Options :

686340177325. 1
686340177326. 2
686340177327. 3
686340177328. 4

Question Number : 33 Question Id : 68634044890 Question Type : MCQ Option Shuffling : No 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 good brick should not absorb water by weight more than.

1. 10%
2. 20%
3. 25%
4. 30%

Options :

686340177329. 1
686340177330. 2
686340177331. 3
686340177332. 4

Question Number : 33 Question Id : 68634044890 Question Type : MCQ Option Shuffling : No 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 अच्छी ईंट को वजन में _____ % से अधिक जल, अवशोषित नहीं करना चाहिए

1. 10%
2. 20%
3. 25%
4. 30%

Options :

686340177329. 1
686340177330. 2
686340177331. 3
686340177332. 4

Question Number : 34 Question Id : 68634044891 Question Type : MCQ Option Shuffling : No 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: Workability of concrete is improved by air entraining agent

Reason R: Air entraining agent increases concrete strength

In the light of the above statements, choose the correct 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 true but R is false
4. A is false but R is true

Options :

686340177333. 1
686340177334. 2
686340177335. 3
686340177336. 4

Question Number : 34 Question Id : 68634044891 Question Type : MCQ Option Shuffling : No 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: वायु आरोही कर्मक द्वारा कंक्रीट की कार्यक्षमता में सुधार किया जाता है।

कारण R: वायु आरोही कर्मक कंक्रीट की ताकत बढ़ाता 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 और 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 :

686340177333. 1
686340177334. 2
686340177335. 3
686340177336. 4

Question Number : 35 Question Id : 68634044892 Question Type : MCQ Option Shuffling : No 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 higher percentage of tricalcium silicate in cement results in rapid hardening with an early gain in strength at higher heat of hydration.

Reason R: A higher percentage of dicalcium silicate in cement results in slow hardening and less heat and hydration and greater resistance to chemical attack.

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 :

- 686340177337. 1
- 686340177338. 2
- 686340177339. 3
- 686340177340. 4

Question Number : 35 Question Id : 68634044892 Question Type : MCQ Option Shuffling : No 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: सीमेंट में ट्राईकैल्शियम सिलिकेट के उच्च प्रतिशत के परिणामस्वरूप उच्च ताप और जलयोजन में ताकत में शुरुआती लाभ के साथ तेजी से सख्त हो जाता है।

कारण R: सीमेंट में ट्राईकैल्शियम सिलिकेट का उच्च प्रतिशत धीमी गति से सख्त होता है और जलयोजन की कम गर्मी और रासायनिक हमले के लिए अधिक प्रतिरोध होता 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 और 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 :

686340177337. 1
686340177338. 2
686340177339. 3
686340177340. 4

Question Number : 36 Question Id : 68634044893 Question Type : MCQ Option Shuffling : No 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.	Fineness of cement	I.	le-Chatelier Apparatus
B.	Setting time	II.	Vicat's Needle
C.	Soundness	III.	Air permeability Apparatus
D.	Workability	IV.	Slump cone

Choose the correct answer from the options given below:

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

Options :

686340177341. 1
686340177342. 2
686340177343. 3
686340177344. 4

Question Number : 36 Question Id : 68634044893 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	सीमेंट की सूक्ष्मता	I.	ले-चेटेलियर उपकरण
B.	स्थापन काल	II.	वीकेट की सुई/निडल
C.	दृढ़ता	III.	हवा पारगम्यता
D.	व्यवहार्यता	IV.	मंदी शंकु

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177341. 1
686340177342. 2
686340177343. 3
686340177344. 4

Question Number : 37 Question Id : 68634044894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Tensile strength of concrete is measured by

1. Direct tension test in the universal tensile machine
2. Applying compressive load along the diameter of the cylinder
3. Applying third point loading on prism
4. Applying tensile load along the diameter of the cylinder

Options :

686340177345. 1
686340177346. 2
686340177347. 3
686340177348. 4

Question Number : 37 Question Id : 68634044894 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

कंक्रीट की तनन (तन्यता) सामर्थ्य मापी जाती है

1. सार्वभौमिक तन्यता मशीन में प्रत्यक्ष तनाव परीक्षण से
2. सिलेंडर (बेलन) के व्यास के साथ (संपीडन) कंप्रेसिव दाब लगाकर
3. प्रिज्म पर तृतीय बिंदु (थर्ड पॉइंट) लोडिंग लागू करके
4. सिलेंडर (बेलन) के साथ तन्य भार लागू करके

Options :

- 686340177345. 1
- 686340177346. 2
- 686340177347. 3
- 686340177348. 4

Question Number : 38 Question Id : 68634044895 Question Type : MCQ Option Shuffling : No 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 P is the standard consistency of cement the amount of water used in conducting the initial setting time test on cement is.

1. 0.65 P
2. 0.85 P
3. 0.6 P
4. 0.8 P

Options :

- 686340177349. 1
- 686340177350. 2
- 686340177351. 3
- 686340177352. 4

Question Number : 38 Question Id : 68634044895 Question Type : MCQ Option Shuffling : No 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 P सीमेंट की मानक स्थिरता है, तो सीमेंट पर प्रारंभिक सेटिंग समय परीक्षण करने में उपयोग किए जाने वाले पानी की मात्रा है

1. 0.65 P
2. 0.85 P
3. 0.6 P
4. 0.8 P

Options :

- 686340177349. 1
- 686340177350. 2
- 686340177351. 3
- 686340177352. 4

Question Number : 39 Question Id : 68634044896 Question Type : MCQ Option Shuffling : No 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 W is weight of the chain, L is span and P is tension or pull, then sag correction for chain line will be.

- 1. $W^2L^2/24P^2$
- 2. $W^2L/24P$
- 3. $W^2L/24P^2$
- 4. $W^2L^2/24P$

Options :

- 686340177353. 1
- 686340177354. 2
- 686340177355. 3
- 686340177356. 4

Question Number : 39 Question Id : 68634044896 Question Type : MCQ Option Shuffling : No 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 W चेन का वजन, L सिरों के बीच की दूरी और P तनाव या खिंचाव है, तो चेन रेखा का स्थिति सुधार होगा

- 1. $W^2L^2/24P^2$
- 2. $W^2L/24P$
- 3. $W^2L/24P^2$
- 4. $W^2L^2/24P$

Options :

- 686340177353. 1
- 686340177354. 2
- 686340177355. 3
- 686340177356. 4

Question Number : 40 Question Id : 68634044897 Question Type : MCQ Option Shuffling : No 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 sensitiveness of a bubble tube in a level would decrease if.

1. The radius of curvature of the internal surface of the tube is increased
2. The diameter of the tube is increased
3. The length of the vapour bubble is increased
4. The viscosity of the liquid is increased

Options :

686340177357. 1
686340177358. 2
686340177359. 3
686340177360. 4

Question Number : 40 Question Id : 68634044897 Question Type : MCQ Option Shuffling : No 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 स्तर पर एक बुलबुला नली की सर्वेदनशीलता कम हो जाएगी, यदि

1. आंतरिक सतह की वक्रता त्रिज्या कम हो जाए
2. नली का व्यास बढ़ जाए
3. वाष्प बुलबुले की लंबाई बढ़ा दी जाए
4. द्रव्य की श्यानता बढ़ा दी जाए

Options :

686340177357. 1
686340177358. 2
686340177359. 3
686340177360. 4

Question Number : 41 Question Id : 68634044898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

What is the volume of a 6m deep tank having rectangular shaped top 6mx4m and bottom 4mx2m (compound through the use of prismoidal formula)

1. 96 m^3
2. 94 m^3
3. 92 m^3
4. 90 m^3

Options :

686340177361. 1
686340177362. 2
686340177363. 3
686340177364. 4

Question Number : 41 Question Id : 68634044898 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

6m गहरे टैंक का आयतन क्या है, जिसमें आयताकार शीर्ष $6m \times 4m$ और तल $4m \times 2m$ है।

(प्रज्मोडुल फार्मला का उपयोग करके गणना करें)

1. $96 m^3$

2. $94 m^3$

3. $92 m^3$

4. $90 m^3$

Options :

686340177361. 1
686340177362. 2
686340177363. 3
686340177364. 4

Question Number : 42 Question Id : 68634044899 Question Type : MCQ Option Shuffling : No 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 n observations are taken, then accidental errors are proportional to.

1. n

2. n^2

3. $\sqrt{n}$

4. $1/n$

Options :

686340177365. 1
686340177366. 2
686340177367. 3
686340177368. 4

Question Number : 42 Question Id : 68634044899 Question Type : MCQ Option Shuffling : No 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 n प्रेक्षण लिए जाते हैं, तो आकस्मिक त्रुटियाँ किसके समानुपाती होती है?

1. n
2. n^2
3. $\sqrt{n}$
4. $1/n$

Options :

686340177365. 1
686340177366. 2
686340177367. 3
686340177368. 4

Question Number : 43 Question Id : 68634044900 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Which one of the following methods estimates best area of an irregular and curved boundary?

1. Trapezoidal method
2. Simpson's method
3. Average ordinate method
4. Mid-ordinate method

Options :

686340177369. 1
686340177370. 2
686340177371. 3
686340177372. 4

Question Number : 43 Question Id : 68634044900 Question Type : MCQ Option Shuffling : No 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 विधि अनियमित और घुमावदार सीमा के क्षेत्र का सबसे अच्छा अनुमान लगाती है?

1. समलम्बाकार विधि (ट्रैपेजॉइडल) विधि
2. सिम्पसन विधि
3. औसत समन्वय विधि
4. मध्य समन्वय विधि

Options :

686340177369. 1

686340177370. 2
686340177371. 3
686340177372. 4

Question Number : 44 Question Id : 68634044901 Question Type : MCQ Option Shuffling : No 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 true length of a line is known to be 200m. When this is measured with a 20m tape, the length is 200.80m. The correct length of the 20m tape is.

1. 19.92m
2. 19.98 m
3. 20.04 m
4. 20.08 m

Options :

686340177373. 1
686340177374. 2
686340177375. 3
686340177376. 4

Question Number : 44 Question Id : 68634044901 Question Type : MCQ Option Shuffling : No 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 रेखा की वास्तविक लंबाई 200 मीटर मानी जाती है। जब इसे 20 मीटर टेप से मापा जाता है तो लंबाई 200.80 मीटर होती है। 20 मीटर टेप की सही लंबाई है,

1. 19.92m
2. 19.98 m
3. 20.04 m
4. 20.08 m

Options :

686340177373. 1
686340177374. 2
686340177375. 3
686340177376. 4

Question Number : 45 Question Id : 68634044902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Survey of India was Publicity toposheet using a scale of

1. 1:1000
2. 1:5000
3. 1:10,000
4. 1:50,000

Options :

686340177377. 1
686340177378. 2
686340177379. 3
686340177380. 4

Question Number : 45 Question Id : 68634044902 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सर्वे ऑफ इंडिया _____ के पैमाने का उपयोग करते हुए टोपोशीट प्रकाशित कर रहा था,

1. 1:1000
2. 1:5000
3. 1:10,000
4. 1:50,000

Options :

686340177377. 1
686340177378. 2
686340177379. 3
686340177380. 4

Question Number : 46 Question Id : 68634044903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

The method of orienting a plane table with two inaccessible points is known as.

1. Intersection
2. Resection
3. Back Sighting
4. Two point problem

Options :

686340177381. 1
686340177382. 2

686340177383. 3

686340177384. 4

Question Number : 46 Question Id : 68634044903 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

दो दुर्गम बिंदुओं के साथ एक समतल मेज को उन्मुख करने की विधि कहलाती है

1. प्रतिच्छेदन
2. उच्छेदन
3. पीछे देखना
4. दो बिंदु समस्या

Options :

686340177381. 1

686340177382. 2

686340177383. 3

686340177384. 4

Question Number : 47 Question Id : 68634044904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Theory of errors and adjustments deals with minimizing the effects of.

1. Instrumental errors
2. Mistake
3. Systematic error
4. Personal and accidental error

Options :

686340177385. 1

686340177386. 2

686340177387. 3

686340177388. 4

Question Number : 47 Question Id : 68634044904 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

त्रुटियों और समायोजन का सिद्धांत _____ के प्रभावों को कम करने से संबंधित है।

1. वाद्य त्रुटियाँ
2. गलती
3. व्यवस्थित त्रुटि
4. व्यक्तिगत और आकस्मिक त्रुटियाँ

Options :

686340177385. 1
686340177386. 2
686340177387. 3
686340177388. 4

Question Number : 48 Question Id : 68634044905 Question Type : MCQ Option Shuffling : No 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 side of a square land was measured as 150m and is in error by 0.05m. What is the corresponding error in the computed area of the land?

1. 5m^2
2. 10 m^2
3. 15 m^2
4. 20 m^2

Options :

686340177389. 1
686340177390. 2
686340177391. 3
686340177392. 4

Question Number : 48 Question Id : 68634044905 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

वर्गाकार भूमि के किनारे को 150 मीटर के रूप में मापा गया था और इसमें 0.05 मीटर की त्रुटि है। भूमि के गणना क्षेत्र में संबंधित त्रुटि क्या है

1. 5m^2
2. 10m^2
3. 15m^2
4. 20m^2

Options :

686340177389. 1
686340177390. 2
686340177391. 3
686340177392. 4

Question Number : 49 Question Id : 68634044906 Question Type : MCQ Option Shuffling : No 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.	Shear centre	I.	Tension
B.	Principal plane	II.	slope
C.	Fixed end	III.	Shear stress
D.	Middle third Rule	IV.	Twisting

Choose the correct answer from the options given below:

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

Options :

686340177393. 1
686340177394. 2
686340177395. 3
686340177396. 4

Question Number : 49 Question Id : 68634044906 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	अपरुपण केंद्र	I.	तनाव
B.	प्रमुख सतह	II.	ढलान
C.	स्थायी सिरा	III.	अपरुपण तनाव
D.	मध्य तीसरा नियम	IV.	घुमाना

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177393. 1
686340177394. 2
686340177395. 3
686340177396. 4

Question Number : 50 Question Id : 68634044907 Question Type : MCQ Option Shuffling : No 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 circular shaft is subjected to a torque T and a bending moment M, the ratio of maximum shear stress to maximum bending stress given by:

1. $2M/T$
2. $T/2M$
3. $2T/M$
4. $M/2T$

Options :

686340177397. 1
686340177398. 2
686340177399. 3
686340177400. 4

Question Number : 50 Question Id : 68634044907 Question Type : MCQ Option Shuffling : No 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 वृत्ताकार शाफ्ट पर बल आघूर्ण T है और बंकन आघूर्ण M है, तो अधिकतम अपरूपण प्रतिबल और अधिकतम बंकन प्रतिबल का अनुपात इस प्रकार दिया जाता है,

1. $2M/T$
2. $T/2M$
3. $2T/M$
4. $M/2T$

Options :

686340177397. 1
686340177398. 2
686340177399. 3
686340177400. 4

Question Number : 51 Question Id : 68634044908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Stiffness method of structural analysis starts with.

1. Force-deformation relations
2. Equilibrium condition
3. Compatible deformation
4. Equilibrium state of internal stress component

Options :

686340177401. 1
686340177402. 2
686340177403. 3
686340177404. 4

Question Number : 51 Question Id : 68634044908 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

संरचनात्मक विश्लेषण की कठोरता विधि _____ से शुरू होती है

1. बल-विरूपण संबंध
2. संतुलन की स्थिति
3. अनुकूल विरूपण
4. आंतरिक तनाव घटकों की संतुलन स्थिति

Options :

686340177401. 1
686340177402. 2
686340177403. 3
686340177404. 4

Question Number : 52 Question Id : 68634044909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

What is the ratio of maximum shear stress to average shear stress for a circular section

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

Options :

686340177405. 1
686340177406. 2
686340177407. 3
686340177408. 4

Question Number : 52 Question Id : 68634044909 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

वृत्ताकार खंड के लिए अधिकतम अपरुपण प्रतिबल और औसत अपरुपण प्रतिबल का अनुपात क्या है

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

Options :

686340177405. 1
686340177406. 2
686340177407. 3
686340177408. 4

Question Number : 53 Question Id : 68634044910 Question Type : MCQ Option Shuffling : No 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

By considering σ = direct stress, E = modulus of elasticity, G = modulus of rigidity, I = moment of inertia and V = Volume

LIST I (Strain energy)		LIST II (Gradually applied load)	
A.	$\frac{\sigma^2 V}{2E}$	I.	Axial load
B.	$\frac{\tau^2 V}{2G}$	II.	Bending load
C.	$\frac{\tau^2 V}{4G}$	III.	Shear load
D.	$\int_0^L \frac{M^2 x}{2EI} dx$	IV.	Torsional load

Choose the correct answer from the options given below:

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

Options :

686340177409. 1
686340177410. 2
686340177411. 3
686340177412. 4

Question Number : 53 Question Id : 68634044910 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	$\frac{\sigma^2 V}{2E}$	I.	अक्षीय भार
B.	$\frac{\tau^2 V}{2G}$	II.	झुकावीय भार
C.	$\frac{\tau^2 V}{4G}$	III.	अपरूपण भार
D.	$\int_0^L \frac{M^2 x dx}{2EI}$	IV.	मरोड़ भार

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

मानते हुए कि symbol = प्रत्यक्ष तनाव, E - लोच का मापांक, G - कठोरता का मापांक, I - जड़त्व आघूर्ण, V - आयतन

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

Options :

686340177409. 1
686340177410. 2
686340177411. 3
686340177412. 4

Question Number : 54 Question Id : 68634044911 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

For a given activity, the optimistic time, pessimistic time and most probable estimates are 5, 17, 8 days respectively. The expected time is

1. 8 days
2. 9 days
3. 10 days
4. 15 days

Options :

686340177413. 1
686340177414. 2
686340177415. 3
686340177416. 4

Question Number : 54 Question Id : 68634044911 Question Type : MCQ Option Shuffling : No 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 दी गई मात्रा के लिए आशावादी समय, निराशावादी समय और सबसे संभावित अनुमान क्रमशः 5, 17 और 8 दिन है, अपेक्षित समय है

1. 8 दिन
2. 9 दिन
3. 10 दिन
4. 15 दिन

Options :

686340177413. 1
686340177414. 2
686340177415. 3
686340177416. 4

Question Number : 55 Question Id : 68634044912 Question Type : MCQ Option Shuffling : No 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.	Used for recording instructions given by the executive engineer at site	I.	Co-ordination
B.	Used widely for civil engineering construction	II.	Unity command
C.	One of the Principle organisation	III.	Line organisation
D.	One of the function of management	IV.	Site order book

Choose the correct answer from the options given below:

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

Options :

686340177417. 1
686340177418. 2
686340177419. 3
686340177420. 4

Question Number : 55 Question Id : 68634044912 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	कार्यपालन यंत्री द्वारा दिए गए निर्देशों को साइट पर दर्ज करने के लिए उपयोग किया जाता है।	I.	समन्वय
B.	सिविल अभियांत्रिकी निर्माण के लिए व्यापक रूप से उपयोग किया जाता है।	II.	आदेश की समानता
C.	संगठन के प्रमुख में से एक	III.	कार्यरत संगठन
D.	प्रबंधन के कार्यों में से एक	IV.	निर्माण स्थल आदेश पुस्तिका

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177417. 1
686340177418. 2
686340177419. 3
686340177420. 4

Question Number : 56 Question Id : 68634044913 Question Type : MCQ Option Shuffling : No 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.	Activity	I.	Resourceless element
B.	Event	II.	Resource consuming element
C.	Dummy	III.	Spare time
D.	Float	IV.	Instantaneous stage

Choose the correct answer from the options given below:

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

Options :

686340177421. 1
686340177422. 2
686340177423. 3
686340177424. 4

Question Number : 56 Question Id : 68634044913 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (वस्तुएँ)	सूची II (विशेषताएँ)
A. गतिविधि	I. संसाधनहीन तत्व
B. आयोजन	II. अनुनाद खपत तत्व
C. प्रतिरूपी	III. अल्प-समय
D. तैरना	IV. तात्कालिक चरण

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177421. 1
686340177422. 2
686340177423. 3
686340177424. 4

Question Number : 57 Question Id : 68634044914 Question Type : MCQ Option Shuffling : No 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 serious limitation of inter dependencies between various activities is generally observed in.

1. Bar-chart
2. Milk-Stone chart
3. Network Analysis
4. Job layouts

Options :

686340177425. 1
686340177426. 2
686340177427. 3
686340177428. 4

Question Number : 57 Question Id : 68634044914 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

आमतौर पर विभिन्न गतिविधियों के बीच अंतर -निर्भरता की एक गंभीर सीमा देखी जाती है

1. बार - चार्ट
2. मिल्कस्टोन चार्ट
3. नेटवर्क विश्लेषण
4. जॉब -लॉगआऊट्स

Options :

686340177425. 1
686340177426. 2
686340177427. 3
686340177428. 4

Question Number : 58 Question Id : 68634044915 Question Type : MCQ Option Shuffling : No 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 radius of mohr's circle of stress of a strained element is 20 N/mm^2 and minor principle tensile stress is 10 N/mm^2 the major principle stress is

1. 30 N/mm^2
2. 50 N/mm^2
3. 60 N/mm^2
4. 100 N/mm^2

Options :

686340177429. 1
686340177430. 2
686340177431. 3
686340177432. 4

Question Number : 58 Question Id : 68634044915 Question Type : MCQ Option Shuffling : No 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 तनावपूर्ण तत्व के मोहर वृत्त का त्रिज्या 20 N/mm^2 और लघु मुख्य तन्यता तनाव का मान 10 N/mm^2 है, दीर्घ मुख्य तनाव का मान है,

1. 30 N/mm^2
2. 50 N/mm^2
3. 60 N/mm^2
4. 100 N/mm^2

Options :

686340177429. 1
686340177430. 2
686340177431. 3
686340177432. 4

Question Number : 59 Question Id : 68634044916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

What is hydrological cycle?

1. Processes involved in the transfer of moisture from sea to land
2. Processes involved in the transfer of moisture from sea back to sea again
3. Processes involved in the transfer of water from snowmelt in mountain to sea
4. Processes involved in the transfer of moisture from sea to land and back to sea again

Options :

686340177433. 1
686340177434. 2
686340177435. 3
686340177436. 4

Question Number : 59 Question Id : 68634044916 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

हाइड्रोलॉजिकल चक्र क्या है?

1. समुंद्र से भूमि की ओर नमी के हस्तांतरण में शामिल प्रक्रिय
2. दुबारा समुंद्र से वापस समुंद्र की ओर नमी के हस्तांतरण में शामिल प्रक्रिया
3. बर्फ के पिघलने से पहाड़ से समुंद्र तक नमी के हस्तांतरण में शामिल प्रक्रिया
4. समुंद्र से भूमि की ओर और फिर से समुंद्र की तरफ नमी के हस्तांतरण में शामिल प्रक्रिया

Options :

- 686340177433. 1
- 686340177434. 2
- 686340177435. 3
- 686340177436. 4

Question Number : 60 Question Id : 68634044917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Hydrograph is the graphical representation of.

- 1. Runoff time
- 2. Surface runoff and time
- 3. ground water flow and time
- 4. Rainfall and time

Options :

- 686340177437. 1
- 686340177438. 2
- 686340177439. 3
- 686340177440. 4

Question Number : 60 Question Id : 68634044917 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

हाइड्रोग्राफ _____ का चित्रमय (ग्राफिकल) प्रतिनिधित्व है

- 1. अपवाह समय
- 2. सतह अपवाह और समय
- 3. जलप्रवाह और समय
- 4. वर्षा और समय

Options :

- 686340177437. 1
- 686340177438. 2
- 686340177439. 3
- 686340177440. 4

Question Number : 61 Question Id : 68634044918 Question Type : MCQ Option Shuffling : No 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: Humidity decrease with altitude

Reason R: At higher altitude the convective currents are very much reduced

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 :

686340177441. 1
686340177442. 2
686340177443. 3
686340177444. 4

Question Number : 61 Question Id : 68634044918 Question Type : MCQ Option Shuffling : No 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: नमी, ऊँचाई के साथ कम हो जाती है

कारण R: अधिक ऊँचाई पर, संवहन धाराएँ बहुत कम हो जाती हैं।

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 और 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 :

686340177441. 1
686340177442. 2
686340177443. 3
686340177444. 4

Question Number : 62 Question Id : 68634044919 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Penman's equation is based on

1. Energy budgeting only
2. Energy budgeting and water budgeting
3. Energy budgeting and mass transfer
4. Water budgeting and mass transfer

Options :

686340177445. 1
686340177446. 2
686340177447. 3
686340177448. 4

Question Number : 62 Question Id : 68634044919 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

पेनमैन समीकरण आधारित है

1. केवल ऊर्जा बजट पर
2. ऊर्जा बजट और जल बजट पर
3. ऊर्जा बजट और द्रव्यमान स्थानांतरण पर
4. जल बजट और द्रव्यमान स्थानांतरण पर

Options :

686340177445. 1
686340177446. 2
686340177447. 3
686340177448. 4

Question Number : 63 Question Id : 68634044920 Question Type : MCQ Option Shuffling : No 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 (Type of Precipitation)		LIST II } (Principle causes)	
A.	Convective	I.	Pressure difference
B.	Cyclonic	II.	Mountain barrier
C.	Frontal	III.	Temperature difference
D.	Orographic	IV.	Warm and cold air masses

Choose the correct answer from the options given below:

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

Options :

686340177449. 1
686340177450. 2
686340177451. 3
686340177452. 4

Question Number : 63 Question Id : 68634044920 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (वर्षण के प्रकार)		सूची II (मुख्य कारण)	
A.	संवहनी	I.	दबाब अंतर
B.	चक्रवाती	II.	पर्वत बाधा
C.	ललाट वर्षण	III.	तापमान अंतर
D.	भौगोलिक	IV.	गर्म और ठंडी हवा के द्रव्यमान

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177449. 1
686340177450. 2
686340177451. 3
686340177452. 4

Question Number : 64 Question Id : 68634044921 Question Type : MCQ Option Shuffling : No 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.	Anemometer	I.	Humidity
B.	Rain simulator	II.	Evapotranspiration
C.	Lysimeter	III.	Infiltration
D.	Hygro meter	IV.	Wind speed

Choose the correct answer from the options given below:

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

Options :

686340177453. 1
686340177454. 2
686340177455. 3
686340177456. 4

Question Number : 64 Question Id : 68634044921 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	ऐनोमीमीटर	I.	नमी
B.	वर्ष सिम्युलेटर	II.	वाष्पन- उत्सर्जन
C.	लाइसीमीटर	III.	रिसना
D.	हाइकोमीटर	IV.	वायु- गति

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177453. 1
686340177454. 2

686340177455. 3

686340177456. 4

Question Number : 65 Question Id : 68634044922 Question Type : MCQ Option Shuffling : No 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 6-hour storm with hourly intensities of 7, 18, 25, 12, 10 and 3mm per hour produced a run off 33 mm. Then the ϕ index is

1. 7 mm / hr
2. 3 mm / hr
3. 10 mm / hr
4. 8 mm / hr

Options :

686340177457. 1

686340177458. 2

686340177459. 3

686340177460. 4

Question Number : 65 Question Id : 68634044922 Question Type : MCQ Option Shuffling : No 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 6 घंटे के तूफान ने 7, 18, 25, 12, 10 और 3 mm प्रतिघंटा 30 mm का अपवाह उत्पन्न किया, तो ϕ सूचकांक है,

1. 7 mm / hr
2. 3 mm / hr
3. 10 mm / hr
4. 8 mm / hr

Options :

686340177457. 1

686340177458. 2

686340177459. 3

686340177460. 4

Question Number : 66 Question Id : 68634044923 Question Type : MCQ Option Shuffling : No 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 Darcy's law, for ground water movement velocity is proportional to.

1. Hydraulic gradient
2. Square of hydraulic gradient
3. Square root of hydraulic gradient
4. Reciprocal of hydraulic gradient

Options :

686340177461. 1
686340177462. 2
686340177463. 3
686340177464. 4

Question Number : 66 Question Id : 68634044923 Question Type : MCQ Option Shuffling : No 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 के नियमानुसार भूजल संचलन के लिए, वेग आनुपातिक है

1. हाइड्रोलिक (ग्रेडिएंट) ढाल के
2. हाइड्रोलिक ढाल (ग्रेडियंट) के वर्ग के
3. हाइड्रोलिक ढाल (ग्रेडियंट) के वर्गमूल के
4. हाइड्रोलिक ढाल (ग्रेडियंट) के व्युत्क्रम के

Options :

686340177461. 1
686340177462. 2
686340177463. 3
686340177464. 4

Question Number : 67 Question Id : 68634044924 Question Type : MCQ Option Shuffling : No 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.	Lacustrine soil	I.	Transported by wind
B.	Alluvial soil	II.	Transportation by running water
C.	Aeoline soil	III.	Deposited at the bottom of lakes
D.	Marine soil	IV.	Deposited in sea water

Choose the correct answer from the options given below:

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

Options :

686340177465. 1
686340177466. 2
686340177467. 3
686340177468. 4

Question Number : 67 Question Id : 68634044924 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	सरोवर मिट्टी	I.	हवा के द्वारा ले जाई गई
B.	जलोढ़ मिट्टी	II.	बहते पानी के द्वारा ले जाना
C.	वातज मिट्टी	III.	झीलों के तल में जमा होना
D.	समुद्री मिट्टी	IV.	समुद्री पानी में जमा होना

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177465. 1
686340177466. 2
686340177467. 3
686340177468. 4

Question Number : 68 Question Id : 68634044925 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Reduction in volume of soil primarily due to squeezing out of water from winds is called.

1. Primary consolidation
2. Plastic flow
3. Creep
4. Secondary consolidation

Options :

686340177469. 1
686340177470. 2
686340177471. 3
686340177472. 4

Question Number : 68 Question Id : 68634044925 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

मुख्य रूप से रिक्तियों से जल के निचुड़ने के कारण मृदा के आयतन में कमी कहलाती है

1. प्राथमिक समेकन
2. प्लास्टिक प्रवाह
3. रेंगना
4. द्वितीयक समेकन

Options :

686340177469. 1
686340177470. 2
686340177471. 3
686340177472. 4

Question Number : 69 Question Id : 68634044926 Question Type : MCQ Option Shuffling : No 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 change that take place during the process of consolidation of a saturated clay would include.

1. An increase in pore water pressure and an increase in effective pressure
2. An increase in pore water pressure and a decrease in effective pressure
3. A decrease in pore water pressure and a decrease in effective pressure
4. A decrease in pore water pressure and an increase in effective pressure

Options :

686340177473. 1
686340177474. 2
686340177475. 3
686340177476. 4

Question Number : 69 Question Id : 68634044926 Question Type : MCQ Option Shuffling : No 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 संतृप्त मिट्टी के समेकन की प्रक्रिया के दौरान होने वाले परिवर्तन में शामिल होंगे

1. रोम कूप में पानी के दबाव में वृद्धि और प्रभावी दबाव में वृद्धि
2. रोम कूप में पानी के दबाव में वृद्धि और प्रभावी दबाव में कमी
3. रोम कूप में पानी के दबाव में कमी और प्रभावी दबाव में कमी
4. रोम कूप में पानी के दबाव में कमी और प्रभावी दबाव में वृद्धि

Options :

686340177473. 1
686340177474. 2
686340177475. 3
686340177476. 4

Question Number : 70 Question Id : 68634044927 Question Type : MCQ Option Shuffling : No 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 sand sample has a bulk density of 20kN/m^3 and degree of saturation of 70%. If the specific gravity of soil grain is 2.65, the value of critical hydraulic gradient for the soil will be.

1. 1.02
2. 1.05
3. 1.10
4. 1.15

Options :

686340177477. 1
686340177478. 2
686340177479. 3
686340177480. 4

Question Number : 70 Question Id : 68634044927 Question Type : MCQ Option Shuffling : No 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 रेत के नमूने का घनत्व $20 \text{ km} / \text{m}^3$ है और संतृप्ति की डिग्री 70% है। यदि मिट्टी के दाने का विशिष्ट गुरुत्व 2.65 है, तो मिट्टी के लिए क्रांतिक हाइड्रोलिक प्रवणता (ग्रेडिएंट) का मान होगा,

1. 1.02
2. 1.05
3. 1.10
4. 1.15

Options :

686340177477. 1
686340177478. 2
686340177479. 3
686340177480. 4

Question Number : 71 Question Id : 68634044928 Question Type : MCQ Option Shuffling : No 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 (Measuring device)		LIST II (Soil Parameter)	
A.	Pycnometer	I.	Compressibility
B.	Hydrometer	II.	Permeability
C.	Oedometer	III.	Specific gravity
D.	Permeameter	IV.	Particle size analysis

Choose the correct answer from the options given below:

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

Options :

686340177481. 1
686340177482. 2
686340177483. 3
686340177484. 4

Question Number : 71 Question Id : 68634044928 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (मापक यंत्र)	सूची II मिट्टी प्रचाल (पैर)
A. पाइकोमीटर	I. दबाव
B. हाइड्रोमीटर	II. भेद्यता/प्रसणीयता
C. ओइडोमीटर	III. विशिष्ट गुरुत्व
D. परमीमीटर	IV. कण आकार विश्लेषण

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177481. 1
686340177482. 2
686340177483. 3
686340177484. 4

Question Number : 72 Question Id : 68634044929 Question Type : MCQ Option Shuffling : No 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 (Soil)	LIST II (Group Symbol)
A. Clayly gravel	I. SM
B. Clayly sand	II. OH
C. Organic clay	III. SC
D. Silty sand	IV. GC

Choose the correct answer from the options given below:

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

Options :

686340177485. 1

686340177486. 2
686340177487. 3
686340177488. 4

**Question Number : 72 Question Id : 68634044929 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

सूची I का सूची II से मिलान कीजिए

सूची I (मिट्टी)		सूची II (समूह प्रतीक)	
A.	मिट्टी की बजरी	I.	SM
B.	मिट्टी की रेत	II.	OH
C.	जैविक मिट्टी	III.	SC
D.	कीचड़ युक्त रेत	IV.	GC

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177485. 1
686340177486. 2
686340177487. 3
686340177488. 4

**Question Number : 73 Question Id : 68634044930 Question Type : MCQ Option Shuffling : No 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 (Deposit)		LIST II (Satl structure)	
A.	Coarse grained soil	I.	Flocculated
B.	Silt deposit	II.	Cohesive matrix
C.	Clay deposit	III.	Honey comb
D.	Composite soil	IV.	Single grained

Choose the correct answer from the options given below:

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

Options :

686340177489. 1
686340177490. 2
686340177491. 3
686340177492. 4

Question Number : 73 Question Id : 68634044930 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (जमाव)		सूची II (मिट्टी की संरचना)	
A.	मोटे दाने वाली मिट्टी	I.	गुच्छेदार
B.	गाद जमाव	II.	संसक्त आव्यूह (मैट्रिक्स)
C.	चिकनी मिट्टी का जमाव	III.	मधुकोष
D.	मिश्रित/ (समग्र) मिट्टी	IV.	एकल दाना

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177489. 1
686340177490. 2
686340177491. 3
686340177492. 4

Question Number : 74 Question Id : 68634044931 Question Type : MCQ Option Shuffling : No 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 water content of inorganic soil is determined by heating the soil in an oven at a temperature of 105° to 110°C

Reason R: The free water absorbed water and structural water are all completely removed from the soil by heating it at 105° to 110°C

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 :

686340177493. 1
686340177494. 2
686340177495. 3
686340177496. 4

Question Number : 74 Question Id : 68634044931 Question Type : MCQ Option Shuffling : No 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: 105°C से 110°C के तापमान पर ओवन (भट्ठी) में मिट्टी को गर्म करके आकारबर्निक मिट्टी की जल सामग्री निर्धारित की जाती है।

कारण R: मुक्त पानी, अवशोषित पानी और संरचनात्मक पानी सभी को मिट्टी से 105°C से 110°C पर गर्म करके पूरी तरह हटा दिया जाता 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 और 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 :

- 686340177493. 1
- 686340177494. 2
- 686340177495. 3
- 686340177496. 4

Question Number : 75 Question Id : 68634044932 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Relative density of a compacted dense sand is approximately equal to.

1. 0.4
2. 0.6
3. 0.95
4. 1.20

Options :

- 686340177497. 1
- 686340177498. 2
- 686340177499. 3
- 686340177500. 4

Question Number : 75 Question Id : 68634044932 Question Type : MCQ Option Shuffling : No 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 मिश्रित सधन बालू का आपेक्षिक घनत्व लगभग _____ के बराबर होता है

1. 0.4
2. 0.6
3. 0.95
4. 1.20

Options :

686340177497. 1
686340177498. 2
686340177499. 3
686340177500. 4

Question Number : 76 Question Id : 68634044933 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

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

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

Options :

686340177501. 1
686340177502. 2
686340177503. 3
686340177504. 4

Question Number : 76 Question Id : 68634044933 Question Type : MCQ Option Shuffling : No 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 मिट्टी में द्रव सीमा 40 % है प्लास्टिसिटी सुचनांक 20% है। मिट्टी की प्लास्टिक सीमा _____ होगी।

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

Options :

686340177501. 1
686340177502. 2

686340177503. 3

686340177504. 4

Question Number : 77 Question Id : 68634044934 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A soil sample has a shrinkage limit of 10% and specific gravity of soil solids as 2.7. The porosity of the soil at shrinkage limit is.

1. 21.2%

2. 27%

3. 73%

4. 78.8%

Options :

686340177505. 1

686340177506. 2

686340177507. 3

686340177508. 4

Question Number : 77 Question Id : 68634044934 Question Type : MCQ Option Shuffling : No 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 मिट्टी के नमूने की संकुचन सीमा 10% तथा ठोस मिट्टी का विशिष्ट घनत्व 2.7 है। संकुचन सीमा पर मिट्टी की संरध्रता है

1. 21.2%

2. 27%

3. 73%

4. 78.8%

Options :

686340177505. 1

686340177506. 2

686340177507. 3

686340177508. 4

Question Number : 78 Question Id : 68634044935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

A soil has a discharge velocity of 6×10^{-7} m/s and a void ratio of 0.5, its seepage velocity is.

1. 18×10^{-7} m/s
2. 12×10^{-7} m/s
3. 6×10^{-7} m/s
4. 3×10^{-7} m/s

Options :

686340177509. 1
686340177510. 2
686340177511. 3
686340177512. 4

Question Number : 78 Question Id : 68634044935 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

मृदा का निर्वहन वेग 6×10^{-7} m/s है और रिक्तानुपात 0.5 है। इसका रिझाव वेग है।

1. 18×10^{-7} m/s
2. 12×10^{-7} m/s
3. 6×10^{-7} m/s
4. 3×10^{-7} m/s

Options :

686340177509. 1
686340177510. 2
686340177511. 3
686340177512. 4

Question Number : 79 Question Id : 68634044936 Question Type : MCQ Option Shuffling : No 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.	Sudden closure sluice gate	I.	Uniform flow
B.	Hydraulic jump in a stilling basin	II.	Rapidly varied flow
C.	Spreading irrigation water in the field	III.	Unsteady flow
D.	Flow in the main irrigation canal	IV.	Spatially varied flow

Choose the correct answer from the options given below:

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

Options :

686340177513. 1
686340177514. 2
686340177515. 3
686340177516. 4

Question Number : 79 Question Id : 68634044936 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I		सूची II	
A.	स्लुइस गेट का अचानक बंद होना	I.	एक समान प्रवाह
B.	स्टिलिंग बेसिन में द्रवीय उछल	II.	तीव्र विविध प्रवाह
C.	खेत में सिंचाई कार्य का प्रसार	III.	अस्थिर प्रवाह
D.	मुख्य सिंचाई नहर में प्रवाह	IV.	विशिष्ट विविध प्रवाह

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177513. 1
686340177514. 2
686340177515. 3
686340177516. 4

Question Number : 80 Question Id : 68634044937 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Consumptive use refers to the loss of water as a result of.

1. Evaporation and Transpiration
2. Crop water Requirement
3. Evaporation and infiltration
4. Evaporation and Transpiration from the cropped area

Options :

686340177517. 1
686340177518. 2
686340177519. 3
686340177520. 4

Question Number : 80 Question Id : 68634044937 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

उपभोग्य उपयोग से तात्पर्य _____ के परिणाम स्वरूप जल की हानि से हुए

1. वाष्पीकरण और वाष्पोत्सर्जन
2. फसल जल की आवश्यकता
3. वाष्पीकरण और रिझाव
4. फसली क्षेत्र से वाष्पीकरण और वाष्पोत्सर्जन

Options :

686340177517. 1
686340177518. 2
686340177519. 3
686340177520. 4

Question Number : 81 Question Id : 68634044938 Question Type : MCQ Option Shuffling : No 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 channel designed by lacey's theory has a velocity of 0.88m/sec. The silt factor is 1.1, then mean depth will be.

1. 1.95m
2. 1.76m
3. 1.63m
4. 1.50m

Options :

686340177521. 1
686340177522. 2
686340177523. 3
686340177524. 4

Question Number : 81 Question Id : 68634044938 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

लेसी के सिद्धांत द्वारा डिजाइन किए गए चैनल का वेग 0.88 m/s है। गाद कारक 1.1 है तो द्रवीय (hydraulic) माध्य गहराई होगी

1. 1.95m
2. 1.76m
3. 1.63m
4. 1.50m

Options :

686340177521. 1
686340177522. 2
686340177523. 3
686340177524. 4

Question Number : 82 Question Id : 68634044939 Question Type : MCQ Option Shuffling : No 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 (theory)		LIST II (Propounded by)	
A.	Exit gradient	I.	A.N. Khosla
B.	Alluvial canal	II.	G. lacy
C.	Unit hydrograph	III.	L.K Sherman
D.	Boundary layer	IV.	L. Prandtl

Choose the correct answer from the options given below:

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

Options :

686340177525. 1
686340177526. 2
686340177527. 3
686340177528. 4

Question Number : 82 Question Id : 68634044939 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (सिद्धांत)		सूची II (प्रतिपादिक)	
A.	निर्गम प्रवणता	I.	ए.एन.खोसला
B.	जलोढ़ नहर	II.	जी.लेसी
C.	युनिट हाइड्रोग्राफ	III.	एल.के.शेरमैन
D.	सिमा परत	IV.	एल. प्रडटल

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

Options :

686340177525. 1
686340177526. 2
686340177527. 3
686340177528. 4

Question Number : 83 Question Id : 68634044940 Question Type : MCQ Option Shuffling : No 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 order to ensure that no scouring take place in the bed of a channel of bed slope 'S' constructed on alluvial soil of particle size 'd' cm, the flow velocity should be restricted.

1. $4.85 d^{1/2} s^{-1/6}$
2. $4.85 d^{1/2} s^{1/6}$
3. $0.48 d^{1/2} s^{-1/6}$
4. $0.48 d^{1/2} s^{1/6}$

Options :

686340177529. 1
686340177530. 2
686340177531. 3
686340177532. 4

Question Number : 83 Question Id : 68634044940 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

यह सुनिश्चित करने के लिए कि कण आकार d cm की जलोढ़ मिट्टी पर निर्मित बेड स्लोप (ढलान) के चैनल के बेड स्लोप (ढलान) S में कोई परिमार्जन नहीं होता है, प्रवाह वेग को निम्न मात्रा तक सीमित किया जाना चाहिए

1. $4.85 d^{1/2} s^{-1/6}$
2. $4.85 d^{1/2} s^{1/6}$
3. $0.48 d^{1/2} s^{-1/6}$
4. $0.48 d^{1/2} s^{1/6}$

Options :

686340177529. 1
686340177530. 2
686340177531. 3
686340177532. 4

Question Number : 84 Question Id : 68634044941 Question Type : MCQ Option Shuffling : No 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 discharge unit draw down at the wall is known as.

1. Specific yield
2. Specific storage
3. Specific retention
4. Specific capacity

Options :

686340177533. 1
686340177534. 2
686340177535. 3
686340177536. 4

Question Number : 84 Question Id : 68634044941 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

दीवार पर प्रति यूनिट ड्रा डाऊन डिस्चार्ज _____ के रूप में जाना जाता है,

1. विशिष्ट उपज
2. विशिष्ट भंडारण
3. विशिष्ट प्रतिधारण
4. विशिष्ट क्षमता

Options :

686340177533. 1
686340177534. 2
686340177535. 3
686340177536. 4

Question Number : 85 Question Id : 68634044942 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

At a hydraulic jump, the depth at the two sides are 0.4m and 1.4m. The head loss in the jump is naerly equal.

1. 1.0m
2. 0.9m
3. 0.7m
4. 0.45m

Options :

686340177537. 1

686340177538. 2
686340177539. 3
686340177540. 4

Question Number : 85 Question Id : 68634044942 Question Type : MCQ Option Shuffling : No 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 द्रवचालित उछाल पर, दोनों किनारों पर भुजाएँ 0.4 m और 1.4 m है। उछाल में शिर्ष ह्रास लगभग बराबर है:-

1. 1.0m
2. 0.9m
3. 0.7m
4. 0.45m

Options :

686340177537. 1
686340177538. 2
686340177539. 3
686340177540. 4

Question Number : 86 Question Id : 68634044943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

For standing crops in conducting sandy fields, the best method of irrigation is.

1. Sprinkal irrigation
2. Free flooding
3. Check method
4. Furrow method

Options :

686340177541. 1
686340177542. 2
686340177543. 3
686340177544. 4

Question Number : 86 Question Id : 68634044943 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

खड़ी फसलों के लिए रेतीली खेतों में सिंचाई के लिए सबसे अच्छी विधि है:

1. छिड़काव सिंचाई
2. मुक्त बाढ़
3. क्यारी विधि
4. नाली विधि

Options :

686340177541. 1
686340177542. 2
686340177543. 3
686340177544. 4

Question Number : 87 Question Id : 68634044944 Question Type : MCQ Option Shuffling : No 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 (Pump)		LIST II (Requirement)	
A.	Multistage centri-fugal of moderate size impellers	I.	High head and low discharge
B.	Archimedeian screw type pump	II.	Low head and large discharge
C.	stuple reciprocating pump	III.	High head and moderate discharge
D.	Axial flow propeller pump	IV.	Low head and low discharge

Choose the correct answer from the options given below:

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

Options :

686340177545. 1
686340177546. 2
686340177547. 3
686340177548. 4

Question Number : 87 Question Id : 68634044944 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

सूची I का सूची II से मिलान कीजिए

सूची I (पम्प)		सूची II (आवश्यकता)	
A.	मध्यम आकार का बहुस्तरीय अभिकेन्द्र पम्प	I.	उच्च शिर्ष और निम्न निर्वहन
B.	आर्किमिडीज का पेंच प्रकार का पम्प	II.	निम्न शिर्ष और उच्च निर्वहन
C.	सामान्य प्रत्यागमनी पम्प	III.	उच्च शिर्ष और माध्यम निर्वहन
D.	अक्षिय प्रवाह प्रोपेलर पम्प	IV.	निम्न शिर्ष और निम्न निर्वहन

निम्नलिखित विकल्पों में से सही उत्तर का चयन कीजिए :

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

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

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

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

Options :

686340177545. 1

686340177546. 2

686340177547. 3

686340177548. 4

Question Number : 88 Question Id : 68634044945 Question Type : MCQ Option Shuffling : No 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 commonly used hand pump is the.

1. Centrifugal pump

2. Reciprocating pump

3. Rotary pump

4. Axial flow pump

Options :

686340177549. 1

686340177550. 2

686340177551. 3

686340177552. 4

Question Number : 88 Question Id : 68634044945 Question Type : MCQ Option Shuffling : No 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 सामान्यतः उपयोग में आने वाला हस्त पम्प (चोपाकल) है:

1. अभिकेन्द्रि पम्प
2. प्रत्यागमनी पम्प
3. घूर्णी पम्प
4. अक्षिय प्रवाह पम्प

Options :

686340177549. 1
686340177550. 2
686340177551. 3
686340177552. 4

Question Number : 89 Question Id : 68634044946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

Plough generals used for breaking impervious layer just below ploughing larger with help of number tyness is called.

1. Subsoiler
2. Chisel plough
3. Disc Plough
4. Indegenous plough

Options :

686340177553. 1
686340177554. 2
686340177555. 3
686340177556. 4

Question Number : 89 Question Id : 68634044946 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

जुताई के परत के ठीक नीचे की अभेद्ध परत की कई प्रकार कि हल कि सहायता से जुताई किया जाता, जो कहलाता है।

1. उप मिट्टी
2. छेनी हल
3. डिस्क हल
4. देशी हल

Options :

686340177553. 1
686340177554. 2
686340177555. 3
686340177556. 4

Question Number : 90 Question Id : 68634044947 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Travel Reduction Ratio, (TRR) is given by

1. $TRR = 1 - \frac{\text{Actual velocity}}{\text{Theoretical velocity}}$

2. $TRR = 1 - \frac{\text{Theoretical velocity}}{\text{Actual velocity}}$

3. $TRR = 1 + \frac{\text{Actual velocity}}{\text{Theoretical velocity}}$

4. $TRR = 1 + \frac{\text{Theoretical velocity}}{\text{Actual velocity}}$

Options :

686340177557. 1
686340177558. 2
686340177559. 3
686340177560. 4

Question Number : 90 Question Id : 68634044947 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

यात्रा कमीकरण अनुपात (Travel Reduction Ratio, TRR) को लिखा जाना है।

1. $TRR = 1 - \frac{\text{वास्तविक वेग}}{\text{सैद्धांतिक वेग}}$

2. $TRR = 1 - \frac{\text{सैद्धांतिक वेग}}{\text{वास्तविक वेग}}$

3. $TRR = 1 + \frac{\text{वास्तविक वेग}}{\text{सैद्धांतिक वेग}}$

4. $TRR = 1 + \frac{\text{सैद्धांतिक वेग}}{\text{वास्तविक वेग}}$

Options :

686340177557. 1
686340177558. 2
686340177559. 3
686340177560. 4

Question Number : 91 Question Id : 68634044948 Question Type : MCQ Option Shuffling : No 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 gas is mainly emitted from paddy fields and ruminants and is also a green house gas?

1. NO_2
2. CO
3. CO_2
4. CH_4

Options :

686340177561. 1
686340177562. 2
686340177563. 3
686340177564. 4

Question Number : 91 Question Id : 68634044948 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

निम्न गैसों में से कौन सा मुख्य रूप से धान की खेतों में से तथा जुगाली करने वाले जानवरों से निकलती है और एक ग्रीन हाउस गैस भी है?

1. NO_2
2. CO
3. CO_2
4. CH_4

Options :

686340177561. 1
686340177562. 2
686340177563. 3
686340177564. 4

Question Number : 92 Question Id : 68634044949 Question Type : MCQ Option Shuffling : No 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 gear 'A' having 50 teeth and running at a speed of 200 rpm is driving to another gear 'B' having 125 rpm. How many number of teeth are there in gear 'B'?

1. 500
2. 400
3. 80
4. 60

Options :

686340177565. 1
686340177566. 2
686340177567. 3
686340177568. 4

Question Number : 92 Question Id : 68634044949 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4 Wrong Marks : 1

यदि एक गियर A में 50 दांत है 250 घूर्णज प्रति मिनट की चाल से गति कर रहा है एक अन्य गियर B जो 125 घूर्णज प्रति मिनट के साथ गति कर पाने में संयोजित है। गियर B में कितने दांत हैं?

1. 500
2. 400
3. 80
4. 60

Options :

686340177565. 1
686340177566. 2
686340177567. 3
686340177568. 4

Question Number : 93 Question Id : 68634044950 Question Type : MCQ Option Shuffling : No 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 use tractor is conducted economical when it is utilised for.

1. 1500 hrs/year
2. 1200 hrs/year
3. 1000 hrs/year
4. 1400 hrs/year

Options :

686340177569. 1
686340177570. 2
686340177571. 3
686340177572. 4

**Question Number : 93 Question Id : 68634044950 Question Type : MCQ Option Shuffling : No 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 ट्रैक्टर के उपयोग को व्यवसायिक माना जाता है जब इसका उपयोग _____ हो रहा है।

1. 1500 घंटे/ वर्ष
2. 1200 घंटे/ वर्ष
3. 1000 घंटे/ वर्ष
4. 1400 घंटे/ वर्ष

Options :

686340177569. 1
686340177570. 2
686340177571. 3
686340177572. 4

**Question Number : 94 Question Id : 68634044951 Question Type : MCQ Option Shuffling : No 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 an offset harrow, the number of gang is.

1. 4
2. 2
3. 1
4. 3

Options :

686340177573. 1
686340177574. 2
686340177575. 3
686340177576. 4

**Question Number : 94 Question Id : 68634044951 Question Type : MCQ Option Shuffling : No 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 ऑफसेट हैरो में गण (gang) होते हैं?

1. 4
2. 2
3. 1
4. 3

Options :

686340177573. 1
686340177574. 2
686340177575. 3
686340177576. 4

Question Number : 95 Question Id : 68634044952 Question Type : MCQ Option Shuffling : No 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 commonly used pump in tractor hydraulic system are.

1. Centrifugal type
2. Gear type
3. Vane type
4. Unbalanced vane type

Options :

686340177577. 1
686340177578. 2
686340177579. 3
686340177580. 4

Question Number : 95 Question Id : 68634044952 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

सबसे अधिक उपयोग किए जाने वाले ट्रैक्टर सिंचाई प्रणाली है:-

1. अभिकेन्द्रि प्रकार
2. गियर प्रकार
3. गुलदान प्रकार
4. अस्थिर गुलदान प्रकार

Options :

686340177577. 1

686340177578. 2
686340177579. 3
686340177580. 4

Question Number : 96 Question Id : 68634044953 Question Type : MCQ Option Shuffling : No 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 bottle sterilization usually done at.

1. 110° - 120° C, for 20 - 40 minutes
2. 40° - 60° C, for 10 - 20 minutes
3. 135° - 150° C, for 6 to 2 seconds
4. 40° - 60° C, for 6 - 2 seconds

Options :

686340177581. 1
686340177582. 2
686340177583. 3
686340177584. 4

Question Number : 96 Question Id : 68634044953 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

बोटल बंधाकर सामान्यतः _____ पर किया जाता

1. 110° - 120° C, 20 - 40 मिनट के लिए
2. 40° - 60° C, 10 - 20 मिनट के लिए
3. 135° - 150° C, 6 - 2 सकेण्डों के लिए
4. 40° - 60° C, 6 - 2 सकेण्डों के लिए

Options :

686340177581. 1
686340177582. 2
686340177583. 3
686340177584. 4

Question Number : 97 Question Id : 68634044954 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1

Batch pasteurization stand for.

1. Low temperature long time pasteurization method
2. High temperature short time pasteurization method
3. Regenerative heating
4. Regenerative coding

Options :

- 686340177585. 1
- 686340177586. 2
- 686340177587. 3
- 686340177588. 4

Question Number : 97 Question Id : 68634044954 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

दल (Batch) पास्चुरीकरण का मतलब है:-

1. निम्न तापमान- दिर्घ समय पास्चुरीकरण विधि
2. उच्च तापमान - लघु समय पास्चुरीकरण विधि
3. पुनर्योगी गर्म होना
4. पुनर्योगी ठंडा होना

Options :

- 686340177585. 1
- 686340177586. 2
- 686340177587. 3
- 686340177588. 4

Question Number : 98 Question Id : 68634044955 Question Type : MCQ Option Shuffling : No 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 p_H value of milk is.

1. 8.5
2. 7.9
3. 7.5
4. 6.7

Options :

- 686340177589. 1

686340177590. 2
686340177591. 3
686340177592. 4

**Question Number : 98 Question Id : 68634044955 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

दुध का p_H मान है:-

1. 8.5
2. 7.9
3. 7.5
4. 6.7

Options :

686340177589. 1
686340177590. 2
686340177591. 3
686340177592. 4

**Question Number : 99 Question Id : 68634044956 Question Type : MCQ Option Shuffling : No 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 important and abundant gas in atmosphere that fertilizes crops.

1. Sulphur
2. Ozone
3. Oxygen
4. Nitrogen

Options :

686340177593. 1
686340177594. 2
686340177595. 3
686340177596. 4

**Question Number : 99 Question Id : 68634044956 Question Type : MCQ Option Shuffling : No Is Question Mandatory :
No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 4 Wrong Marks : 1**

निम्न में से कौन सी वायुमंडल में महत्वपूर्ण और प्रचुर मात्रा में पाया जाने वाली गैस है जो फसल के लिए उर्वरक है:-

1. सल्फर
2. आर्जोन
3. ऑक्सीजन
4. नाइट्रोजन

Options :

686340177593. 1
686340177594. 2
686340177595. 3
686340177596. 4

Question Number : 100 Question Id : 68634044957 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

Price fixing in milk is based on.

1. fat content
2. Protein content
3. Lactose content
4. Whiteness content

Options :

686340177597. 1
686340177598. 2
686340177599. 3
686340177600. 4

Question Number : 100 Question Id : 68634044957 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Correct Marks : 4 Wrong Marks : 1

दुध का मुल्य निर्धारण _____ के आधार पर होना है।

1. वसा की मात्रा
2. प्रोटीन की मात्रा
3. लैक्टोज की मात्रा
4. खेतता की मात्रा

Options :

686340177597. 1

686340177598. 2
686340177599. 3
686340177600. 4

