

SSC JE

Previous Year Paper

(Civil) Paper-I

09 Oct, 2023 Shift 1

Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	09/10/2023
Exam Time	9:00 AM - 11:00 AM
Subject	Junior Engineer 2023 Civil Paper I

Section : General Intelligence and Reasoning

Q.1 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?
 $13 - 145 \times 29 \div 52 + 11 = ?$

Ans 1. 106

2. 117

3. 94

4. 83

Question ID : 264330126061

Option 1 ID : 264330493919

Option 2 ID : 264330493917

Option 3 ID : 264330493916

Option 4 ID : 264330493918

Status : Answered

Chosen Option : 1

Q.2 Vipul departs from his home and walks 20 m towards the east. He then turns left and walks 15 m. He turns left again and walks 10 m. He then takes a right turn and walks 20 m. He then takes a left turn and walks 14 m. He takes a final left turn and walks 45 m to stop at Point X. How far is he from a pole which is 10 m to the south of his house?
(Assume that all the turns are 90° turns only.)

Ans 1. 10 m

2. 14 m

3. 6 m

4. 4 m

Question ID : 264330131637

Option 1 ID : 264330515649

Option 2 ID : 264330515647

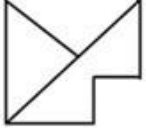
Option 3 ID : 264330515648

Option 4 ID : 264330515650

Status : Answered

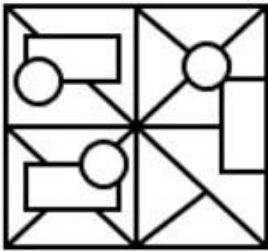
Chosen Option : 4

Q.3 Select the option in which the given figure is embedded (rotation is NOT allowed).

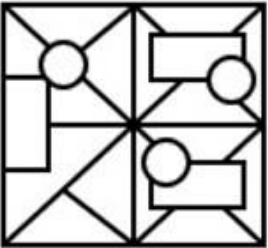


Ans

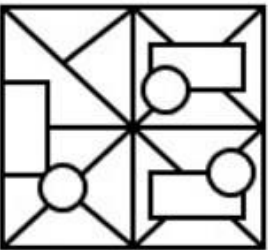
✗ 1.



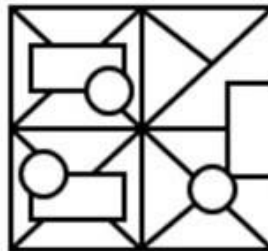
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330129540

Option 1 ID : 264330507528

Option 2 ID : 264330507526

Option 3 ID : 264330507527

Option 4 ID : 264330507529

Status : Answered

Chosen Option : 4

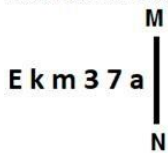
Q.4 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Crew : Sailor :: Army : ?

- Ans 1. Police
 2. Battlefield
 3. Soldier
 4. War

Question ID : 264330144531
 Option 1 ID : 264330566379
 Option 2 ID : 264330566382
 Option 3 ID : 264330566380
 Option 4 ID : 264330566381
 Status : Answered
 Chosen Option : 3

Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans 1. a 7 3 m k E
 2. E k m 3 7 a
 3. a 7 3 m k E
 4. a 7 3 m k E

Question ID : 26433056967
 Option 1 ID : 264330222852
 Option 2 ID : 264330222855
 Option 3 ID : 264330222854
 Option 4 ID : 264330222853
 Status : Answered
 Chosen Option : 2

Q.6 Alisha is an athlete who runs 10 km towards the south and then turns to the left. After running 6 km, she again turns to the left and runs 10 km. Now, In which direction is she from the starting point?

- Ans 1. West
 2. South
 3. North
 4. East

Question ID : 26433093122
 Option 1 ID : 264330365742
 Option 2 ID : 264330365744
 Option 3 ID : 264330365743
 Option 4 ID : 264330365741
 Status : Answered
 Chosen Option : 4

Q.7 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some chips are wafers.
No wafer is a toffee.
All desserts are chips.

Conclusions:

I. All chips can never be toffees.
II. No dessert is a wafer.
III. Some toffees are desserts.

- Ans 1. Only I follows
 2. Only III follows
 3. None follows
 4. Only I and II follow

Question ID : 264330144508
Option 1 ID : 264330566288
Option 2 ID : 264330566290
Option 3 ID : 264330566287
Option 4 ID : 264330566289
Status : Answered
Chosen Option : 1

Q.8 Which of the following terms will replace the question mark (?) in the given series?
KLJH, FGEC, ABZX, VWUS, ?

- Ans 1. PQSM
 2. QRPN
 3. QRTV
 4. QRNP

Question ID : 26433089473
Option 1 ID : 264330351394
Option 2 ID : 264330351395
Option 3 ID : 264330351396
Option 4 ID : 264330351393
Status : Answered
Chosen Option : 2

Q.9 Which of the following numbers will replace the question marks (?) in the given series?
8, 10, 24, 58, 120, ?

- Ans 1. 234
 2. 243
 3. 218
 4. 216

Question ID : 26433097282
Option 1 ID : 264330381825
Option 2 ID : 264330381826
Option 3 ID : 264330381827
Option 4 ID : 264330381828
Status : Answered
Chosen Option : 4

Q.10 Seven people L, M, N, O, P, Q and R are sitting in a straight line adjacent to one another, facing the north (not necessarily in the given order). P is sitting third to the left of Q. N is an immediate neighbour of O and Q. L is sitting third to the right of Q. R is the immediate neighbour of L and M. Who is sitting to the immediate right of P?

- Ans
- 1. Q
 - 2. O
 - 3. N
 - 4. R

Question ID : 26433080710
Option 1 ID : 264330316773
Option 2 ID : 264330316775
Option 3 ID : 264330316776
Option 4 ID : 264330316774
Status : Answered
Chosen Option : 2

Q.11 In a certain code language, "MERITORIOUS" is written as "10" and "OBJECTIONABLE" is written as "12". How will "PREPATORY" be written in that language?

- 1. 8
- 2. 6
- 3. 7
- 4. 9

Question ID : 264330130326
Option 1 ID : 264330510415
Option 2 ID : 264330510417
Option 3 ID : 264330510418
Option 4 ID : 264330510416
Status : Answered
Chosen Option : 1

Ans

Q.12 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Lyric : Song :: Stanza : ?

- Ans
- 1. Essay
 - 2. English
 - 3. Poem
 - 4. Literature

Question ID : 264330144588
Option 1 ID : 264330566609
Option 2 ID : 264330566610
Option 3 ID : 264330566608
Option 4 ID : 264330566607
Status : Answered
Chosen Option : 3

Q.13 Select the option that is related to the third word in the same way as the second word is related to the first word (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word).
Bird : Ornithology :: Plant : _____

- Ans
- 1. Physics
 - 2. Botany
 - 3. Trees
 - 4. Chemistry

Question ID : 26433078834
Option 1 ID : 264330309351
Option 2 ID : 264330309348
Option 3 ID : 264330309349
Option 4 ID : 264330309350
Status : Answered
Chosen Option : 2

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.
13, 34, 63, 108, 177, 278, ?

- 1. 423
- 2. 491
- 3. 432
- 4. 419

Question ID : 26433078933
Option 1 ID : 264330309746
Option 2 ID : 264330309745
Option 3 ID : 264330309747
Option 4 ID : 264330309744
Status : Answered
Chosen Option : 4

Ans

Q.15 Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

NTD : OVG :: KPM : LRP :: ? : UXQ

- Ans
- 1. SVN
 - 2. TVM
 - 3. TVN
 - 4. SUM

Question ID : 264330144559
Option 1 ID : 264330566494
Option 2 ID : 264330566492
Option 3 ID : 264330566493
Option 4 ID : 264330566491
Status : Answered
Chosen Option : 3

Q.16 Which letter-cluster will replace the question mark (?) to complete the given series?

XUOA, DYME, JCKI, PGIO, ?

- Ans
- 1. UKGU
 - 2. ULGU
 - 3. VLGU
 - 4. VKGU

Question ID : 264330144630
Option 1 ID : 264330566778
Option 2 ID : 264330566776
Option 3 ID : 264330566775
Option 4 ID : 264330566777
Status : Answered
Chosen Option : 4

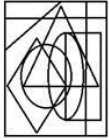
Q.17 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

8 : 1 :: ? : 2 :: 200 : 5

- Ans
- 1. 78
 - 2. 64
 - 3. 32
 - 4. 48

Question ID : 264330144457
Option 1 ID : 264330566086
Option 2 ID : 264330566083
Option 3 ID : 264330566084
Option 4 ID : 264330566085
Status : Answered
Chosen Option : 3

Q.18 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).



Ans

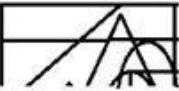
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 264330144810

Option 1 ID : 264330567495

Option 2 ID : 264330567498

Option 3 ID : 264330567496

Option 4 ID : 264330567497

Status : Answered

Chosen Option : 1

Q.19 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
33 : 627 :: 47 : 893 :: 21 : ?

Ans ✓ 1. 399

✗ 2. 385

✗ 3. 371

✗ 4. 407

Question ID : 26433078883

Option 1 ID : 264330309546

Option 2 ID : 264330309545

Option 3 ID : 264330309544

Option 4 ID : 264330309547

Status : Answered

Chosen Option : 1

Q.20 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', what will come in place of the question mark?
 $153 \times 9 - 5 + 32 \div 90 = ?$

Ans ✗ 1. 150

✗ 2. 160

✓ 3. 143

✗ 4. 155

Question ID : 264330130212

Option 1 ID : 264330509959

Option 2 ID : 264330509962

Option 3 ID : 264330509960

Option 4 ID : 264330509961

Status : Answered

Chosen Option : 3

Q.21 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtraction/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) (6, 12, 9)

(16, 10, 13)

Ans 1. (15, 7, 11)

2. (19, 24, 5)

3. (3, 14, 8)

4. (13, 38, 4)

Question ID : 264330144421

Option 1 ID : 264330565941

Option 2 ID : 264330565940

Option 3 ID : 264330565939

Option 4 ID : 264330565942

Status : Answered

Chosen Option : 1

Q.22 Which of the following numbers will replace the question mark (?) in the given series?

17, 57, 22, 52, ?, 47

Ans 1. 23

2. 27

3. 49

4. 51

Question ID : 26433091015

Option 1 ID : 264330357469

Option 2 ID : 264330357471

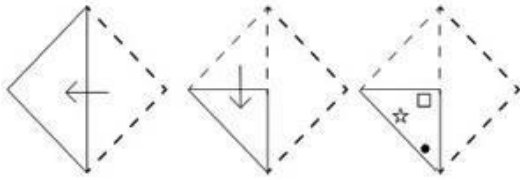
Option 3 ID : 264330357472

Option 4 ID : 264330357470

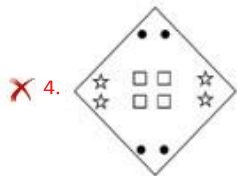
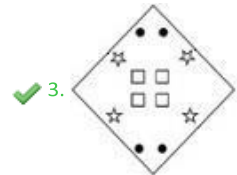
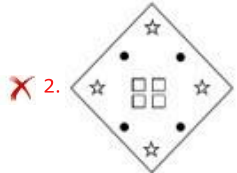
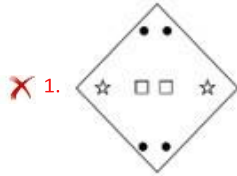
Status : Answered

Chosen Option : 2

Q.23 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 264330103018
 Option 1 ID : 264330404463
 Option 2 ID : 264330404464
 Option 3 ID : 264330404461
 Option 4 ID : 264330404462

Status : Answered
 Chosen Option : 3

Q.24 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Country
2. Continent
3. City
4. Municipality
5. State

Ans 1. 5, 3, 2, 4, 1

2. 1, 2, 5, 3, 4

3. 2, 1, 5, 3, 4

4. 1, 2, 5, 4, 3

Question ID : 264330131976
 Option 1 ID : 264330516999
 Option 2 ID : 264330517001
 Option 3 ID : 264330517000
 Option 4 ID : 264330517002

Status : Answered
 Chosen Option : 3

Q.25 Arrange the following words in a logical and meaningful order.

1. city
2. building
3. state
4. country
5. continent

- Ans
- 1. 2, 1, 4, 3, 5
 - 2. 3, 4, 2, 1, 5
 - 3. 2, 1, 3, 4, 5
 - 4. 2, 3, 4, 5, 1

Question ID : 26433076673
Option 1 ID : 264330300756
Option 2 ID : 264330300757
Option 3 ID : 264330300759
Option 4 ID : 264330300758
Status : Answered
Chosen Option : 3

Q.26 Which letter-cluster will replace the question mark (?) to complete the given series?

MCWF, OFUE, ?, SLQC, UOOB

- 1. PHTC
- 2. OHSE
- 3. PITD
- 4. QISD

Question ID : 264330144506
Option 1 ID : 264330566279
Option 2 ID : 264330566280
Option 3 ID : 264330566281
Option 4 ID : 264330566282
Status : Answered
Chosen Option : 4

Ans

Q.27 In a code language, 'COURT' is written as TROOC and 'SPORT' is written as TRIPS. How will 'BLIND' be written in the same language?

- Ans
- 1. BNELD
 - 2. DNILB
 - 3. DNALB
 - 4. DNELB

Question ID : 264330132947
Option 1 ID : 264330520848
Option 2 ID : 264330520847
Option 3 ID : 264330520849
Option 4 ID : 264330520850
Status : Answered
Chosen Option : 4

Q.28 In a certain code language, 'LESSON' is written as 'IDPPNK' and 'CLASS' is written as 'ZIZPP'. How will 'CHAPTER' be written in that language?

- Ans
- 1. MDZZOQE
 - 2. ZEZMQDO
 - 3. DOZEZMQ
 - 4. MZQEDZO

Question ID : 264330144620
Option 1 ID : 264330566738
Option 2 ID : 264330566737
Option 3 ID : 264330566736
Option 4 ID : 264330566735
Status : Answered
Chosen Option : 2

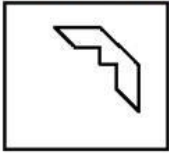
Q.29 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



- Ans
- 1.
 - 2.
 - 3.
 - 4.

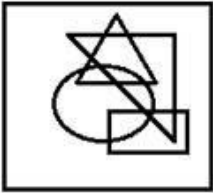
Question ID : 26433074800
Option 1 ID : 264330293291
Option 2 ID : 264330293290
Option 3 ID : 264330293289
Option 4 ID : 264330293288
Status : Answered
Chosen Option : 1

Q.30 Select the option in which the given figure is embedded (rotation is NOT allowed).

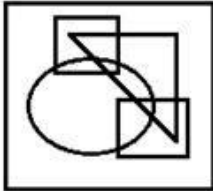


Ans

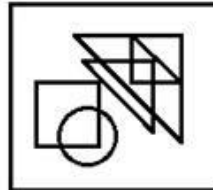
✗ 1.



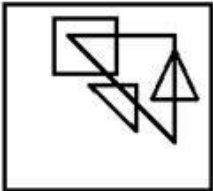
✗ 2.



✓ 3.



✗ 4.



Question ID : 26433068176

Option 1 ID : 264330267219

Option 2 ID : 264330267216

Option 3 ID : 264330267218

Option 4 ID : 264330267217

Status : Answered

Chosen Option : 3

Q.31 Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and the fourth letter cluster is related to the third letter cluster.
JSGXK : ADXIB :: LFCWE : CQTHV :: BDXOF : ?

Ans

✗ 1. SOXWZ

✓ 2. SOOZW

✗ 3. ZOOWX

✗ 4. WXOZD

Question ID : 26433074702

Option 1 ID : 264330292897

Option 2 ID : 264330292896

Option 3 ID : 264330292898

Option 4 ID : 264330292899

Status : Answered

Chosen Option : 2

Q.32 Which letter-cluster will replace the question mark (?) to complete the given series?

FDQE, KJXM, PPEU, ?, ZBSK

- Ans
- 1. VULB
 - 2. UVLC
 - 3. VUKB
 - 4. VULC

Question ID : 264330144629
Option 1 ID : 264330566773
Option 2 ID : 264330566771
Option 3 ID : 264330566774
Option 4 ID : 264330566772
Status : Answered
Chosen Option : 2

Q.33 Select the word-pair in which the two words are related in the same way as are the two words in the given pair.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Cot : Wood

- Ans
- 1. Cloth : Cotton
 - 2. Stove : Gas
 - 3. Utensil : Cook
 - 4. Jewellery : Leg

Question ID : 264330117398
Option 1 ID : 264330461636
Option 2 ID : 264330461634
Option 3 ID : 264330461635
Option 4 ID : 264330461633
Status : Answered
Chosen Option : 1

Q.34 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. 8 K 8 7 E 4 B 1
 - 2. 1 B 4 E 7 K 8
 - 3. 1 B 4 E 7 K 8
 - 4. 1 B 4 E 7 K 8

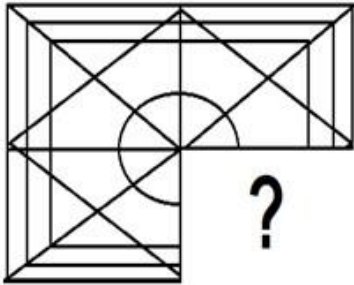
Question ID : 264330144793
Option 1 ID : 264330567430
Option 2 ID : 264330567428
Option 3 ID : 264330567427
Option 4 ID : 264330567429
Status : Answered
Chosen Option : 3

Q.35 In a certain code language, 'CHECK' is written as '110' and 'CORRECT' is written as '114'. How will 'WRONG' be written in that language?

- Ans 1. 63
 2. 106
 3. 95
 4. 69

Question ID : 264330144558
 Option 1 ID : 264330566487
 Option 2 ID : 264330566490
 Option 3 ID : 264330566488
 Option 4 ID : 264330566489
 Status : Answered
 Chosen Option : 1

Q.36 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.



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

Question ID : 264330129658
 Option 1 ID : 264330507998
 Option 2 ID : 264330508000
 Option 3 ID : 264330507999
 Option 4 ID : 264330508001
 Status : Answered
 Chosen Option : 2

Ans

Q.37 Each of the seven friends, Kirti, Siya, Amita, Preeti, Deepika, Jeet and Pari, has scored different marks in an exam. Pari has scored more than Kirti but less than Siya. Deepika has scored less than Preeti but more than Amita. Kirti has scored more than Preeti but less than Pari. Siya is not the highest scorer.

Who among the following has NOT scored more than Preeti?

- Ans
- 1. Jeet
 - 2. Siya
 - 3. Pari
 - 4. Amita

Question ID : 264330144632
Option 1 ID : 264330566783
Option 2 ID : 264330566784
Option 3 ID : 264330566785
Option 4 ID : 264330566786
Status : Answered
Chosen Option : 4

Q.38 Ram pointed towards a lady and said, "Her daughter is the wife of my son-in-law". What relation does Ram have with the woman he pointed towards?

- 1. Husband
- 2. Father
- 3. Brother
- 4. Sister

Question ID : 26433092473
Option 1 ID : 264330363182
Option 2 ID : 264330363183
Option 3 ID : 264330363181
Option 4 ID : 264330363184
Status : Answered
Chosen Option : 1

Ans

How many triangles are there in the given figure?



Q.39

- Ans
- 1. 7
 - 2. 9
 - 3. 8
 - 4. 5

Question ID : 26433068140
Option 1 ID : 264330267073
Option 2 ID : 264330267075
Option 3 ID : 264330267074
Option 4 ID : 264330267072
Status : Answered
Chosen Option : 2

Q.40 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term. $9 : 38 :: 13 : ? :: 24 : 83$

- Ans
- 1. 57
 - 2. 44
 - 3. 50
 - 4. 48

Question ID : 264330126043
Option 1 ID : 264330493846
Option 2 ID : 264330493845
Option 3 ID : 264330493844
Option 4 ID : 264330493847
Status : Answered
Chosen Option : 3

Q.41 Select the correct combination of mathematical signs that can sequentially replace the # signs and balance the given equation.

$25 \# 8 \# 21 \# 3 \# 5 \# 4 \# 4$

- 1. , +, ×, =, ÷, +
- 2. , +, ÷, ×, =, +
- 3. +, , ÷, ×, =, +
- 4. , +, ÷, =, ×, +

Question ID : 264330129581
Option 1 ID : 264330507690
Option 2 ID : 264330507693
Option 3 ID : 264330507692
Option 4 ID : 264330507691
Status : Answered
Chosen Option : 4

Ans

Q.42 Which letter-cluster will replace the question mark (?) to complete the given series?

FTFX, GVCT, ?, IZWL, JBTH

- Ans
- 1. HEVP
 - 2. HUTM
 - 3. HSRU
 - 4. HXZP

Question ID : 264330144502
Option 1 ID : 264330566263
Option 2 ID : 264330566264
Option 3 ID : 264330566266
Option 4 ID : 264330566265
Status : Answered
Chosen Option : 4

Q.43 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
 $8 * 2 * 2 * 2 * 2 = 8$

- Ans
- 1. $\times + - \div$
 - 2. $\div - + \times$
 - 3. $\times \div + -$
 - 4. $\div + - \times$

Question ID : 26433068600
Option 1 ID : 264330268913
Option 2 ID : 264330268915
Option 3 ID : 264330268912
Option 4 ID : 264330268914
Status : Answered
Chosen Option : 3

Q.44 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Adequate
 2. Aphorism
 3. Amplify
 4. Aphrodite
 5. Amorphous
 6. Adamant
- 1. 6, 1, 3, 5, 2, 4
 - 2. 6, 3, 1, 5, 4, 2
 - 3. 6, 1, 3, 2, 5, 4
 - 4. 6, 1, 5, 3, 2, 4

Question ID : 264330129470
Option 1 ID : 264330507246
Option 2 ID : 264330507248
Option 3 ID : 264330507247
Option 4 ID : 264330507249
Status : Answered
Chosen Option : 4

Ans

Q.45 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing north. Only 1 person sits to the left of D. A is an immediate neighbour of D. Only 2 people sit between F and D. Only 3 people sit between C and G. B is not an immediate neighbour of G. Only 2 people sit between E and A.

Who sits to the immediate left of G?

- Ans
- 1. A
 - 2. E
 - 3. F
 - 4. D

Question ID : 264330144641
Option 1 ID : 264330566821
Option 2 ID : 264330566822
Option 3 ID : 264330566820
Option 4 ID : 264330566819
Status : Answered
Chosen Option : 4

Q.46 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(7, 5, 24)

(8, 2, 60)

- Ans
- 1. (4, 8, 39)
 - 2. (6, 3, 36)
 - 3. (9, 3, 72)
 - 4. (6, 3, 18)

Question ID : 264330144446
Option 1 ID : 264330566040
Option 2 ID : 264330566042
Option 3 ID : 264330566041
Option 4 ID : 264330566039
Status : Answered
Chosen Option : 3

Q.47 K @ L means 'L is the husband of K
K & L means 'K is the mother of L
K # L means 'K is the son of L
If A & B @ C # D @ E, the how is B related to D?

- Ans
- 1. Son's wife
 - 2. Sister
 - 3. Mother
 - 4. Daughter

Question ID : 264330130719
Option 1 ID : 264330511989
Option 2 ID : 264330511990
Option 3 ID : 264330511988
Option 4 ID : 264330511987
Status : Answered
Chosen Option : 1

Q.48 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Unaware
2. Unable
3. Unavoidable
4. Unacceptable
5. Unanimous
6. Unaffected

- Ans
- 1. 4, 2, 6, 5, 3, 1
 - 2. 2, 4, 6, 5, 3, 1
 - 3. 2, 4, 6, 5, 1, 3
 - 4. 2, 4, 5, 6, 3, 1

Question ID : 264330117389
Option 1 ID : 264330461600
Option 2 ID : 264330461598
Option 3 ID : 264330461599
Option 4 ID : 264330461597
Status : Answered
Chosen Option : 2

Q.49 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some plates are cups.

All cups are spoons.

Conclusions:

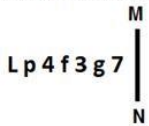
I. Some spoons are plates.

II. All spoons are plates.

- Ans
- 1. Both conclusions I and II follow
 - 2. Neither conclusion I nor II follows
 - 3. Only conclusion II follows
 - 4. Only conclusion I follows

Question ID : 264330144948
 Option 1 ID : 264330568049
 Option 2 ID : 264330568050
 Option 3 ID : 264330568048
 Option 4 ID : 264330568047
 Status : Answered
 Chosen Option : 4

Q.50 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1.
 - 2.
 - 3.
 - 4.

Question ID : 26433056960
 Option 1 ID : 264330222824
 Option 2 ID : 264330222827
 Option 3 ID : 264330222826
 Option 4 ID : 264330222825
 Status : Answered
 Chosen Option : 3

Section : General Awareness

Q.1 According to the Indian Bureau of mines 2020, which two states of India have the maximum gold ore reserves?

- Ans
- 1. Madhya Pradesh and Andhra Pradesh
 - 2. Bihar and Rajasthan
 - 3. Andhra Pradesh and Maharashtra
 - 4. Karnataka and Uttar Pradesh

Question ID : 264330138072
Option 1 ID : 264330540895
Option 2 ID : 264330540897
Option 3 ID : 264330540898
Option 4 ID : 264330540896
Status : Answered
Chosen Option : 1

Q.2 The term 'kick off' is related to which of the following games?

- Ans
- 1. Cricket
 - 2. Football
 - 3. Badminton
 - 4. Hockey

Question ID : 264330109733
Option 1 ID : 264330431211
Option 2 ID : 264330431209
Option 3 ID : 264330431212
Option 4 ID : 264330431210
Status : Answered
Chosen Option : 2

Q.3 Which of the following is referred to as 'credit money'?

- Ans
- 1. Money value = Commodity value
 - 2. Money value > Commodity value
 - 3. Money value = 10 percent less than Commodity value
 - 4. Money value < Commodity value

Question ID : 264330144406
Option 1 ID : 264330565879
Option 2 ID : 264330565882
Option 3 ID : 264330565881
Option 4 ID : 264330565880
Status : Not Answered
Chosen Option : --

Q.4 What is the dimension of a basketball court?

- Ans
- 1. 28 × 18 m
 - 2. 28 × 15 m
 - 3. 28 × 22 m
 - 4. 28 × 20 m

Question ID : 264330119284
Option 1 ID : 264330467426
Option 2 ID : 264330467425
Option 3 ID : 264330467423
Option 4 ID : 264330467424
Status : Answered
Chosen Option : 2

Q.5 'The Trophic-Dynamic Aspect of Ecology' was studied by whom in the year 1942?

- Ans
- 1. Rachel Carson
 - 2. Raymond L Lindeman
 - 3. Frederic Clements
 - 4. Alexander Humboldt

Question ID : 264330114603
Option 1 ID : 264330450498
Option 2 ID : 264330450499
Option 3 ID : 264330450500
Option 4 ID : 264330450497
Status : Not Answered
Chosen Option : --

Q.6 The Plan for Partition of India is known as the:

- Ans
- 1. 15th Aug Plan
 - 2. 3rd June Plan
 - 3. 5th May Plan
 - 4. 18th July Plan

Question ID : 264330112169
Option 1 ID : 264330440763
Option 2 ID : 264330440761
Option 3 ID : 264330440764
Option 4 ID : 264330440762
Status : Answered
Chosen Option : 2

Q.7 How do colours contribute to effective presentation and documents in MS PowerPoint?

- Ans
- 1. Colours help in copying and pasting content between documents
 - 2. Colours create a sense of hierarchy and emphasise important information.
 - 3. Colours make the content appear larger and more prominent.
 - 4. Automatically correct spelling and grammar errors in the text.

Question ID : 264330168592
Option 1 ID : 264330661182
Option 2 ID : 264330661180
Option 3 ID : 264330661179
Option 4 ID : 264330661181
Status : Answered
Chosen Option : 2

Q.8 Which of the following Legislative Bills proposed to set-up the Indian Antarctic Authority (IAA) under the Ministry of Earth Sciences, Government of India?

- Ans
- 1. The Indian Antarctic (Amendment) Bill, 2022
 - 2. The Indian Antarctic (Amendment) Bill, 2021
 - 3. The Indian Antarctic Bill, 2021
 - 4. The Indian Antarctic Bill, 2022

Question ID : 264330137272
Option 1 ID : 264330537718
Option 2 ID : 264330537717
Option 3 ID : 264330537715
Option 4 ID : 264330537716
Status : Not Answered
Chosen Option : --

Q.9 Which of the following is the correct match of the column-A

column-B?

Column-A (Type of Rock) Column-B (Example) i.
Sedimentary rocks a. Granite ii. Igneous rocks b.
Limestone iii. Metamorphic rocks c. Gneiss

- Ans
- 1. i-a, ii-c, iii-b
 - 2. i-c, ii-b, iii-a
 - 3. i-c, ii-a, iii-b
 - 4. i-b, ii-a, iii-c

Question ID : 264330131819
Option 1 ID : 264330516378
Option 2 ID : 264330516376
Option 3 ID : 264330516375
Option 4 ID : 264330516377
Status : Answered
Chosen Option : 4

Q.10 Who was responsible for killing the last Mauryan King?

- 1. Vasudev Kanva
- 2. Simuka
- 3. Kanishka
- 4. Pushyamitra Sunga

Question ID : 264330112133
Option 1 ID : 264330440618
Option 2 ID : 264330440620
Option 3 ID : 264330440619
Option 4 ID : 264330440617
Status : Answered
Chosen Option : 4

Ans

Q.11 In which of the following years was the 'New Economic Policy' introduced in India?

- Ans
- 1. 1991
 - 2. 1993
 - 3. 1992
 - 4. 1990

Question ID : 264330144393
Option 1 ID : 264330565828
Option 2 ID : 264330565830
Option 3 ID : 264330565829
Option 4 ID : 264330565827
Status : Not Answered
Chosen Option : ..

Which of the following is the correct match of the column-A with column-B?

Column-A (River)	Column-B (Place of Origin)
i. Ganga	a. Amarkantak
ii. Chenab	b. Western Ghats near Mahabaleshwar
iii. Narmada	c. Gangotri glacier
iv. Krishna	d. Spiti

Q.12

- Ans
- 1. i-c, ii-d, iii-a, iv-b
 - 2. i-c, ii-a, iii-b, iv-d
 - 3. i-d, ii-c, iii-b, iv-a
 - 4. i-c, ii-d, iii-b, iv-a

Question ID : 264330131824
Option 1 ID : 264330516396
Option 2 ID : 264330516395
Option 3 ID : 264330516398
Option 4 ID : 264330516397
Status : Answered
Chosen Option : 2

Q.13 What is in situ conservation method of biodiversity?

- 1. It concerns with the conservation of species in botanic gardens and captive breeding programmes.
- 2. It concerns with the conservation areas as 'warehouses' of biological information.
- 3. It concerns with the cryopreservation of gametes.
- 4. It concerns with the protective maintenance of threatened species in zoological parks.

Question ID : 264330113340
Option 1 ID : 264330445445
Option 2 ID : 264330445448
Option 3 ID : 264330445446
Option 4 ID : 264330445447
Status : Answered
Chosen Option : 4

Ans

Q.14 According to the Multidimensional Poverty Index 2022, which was the poorest state?

- Ans
- 1. Bihar
 - 2. Assam
 - 3. West Bengal
 - 4. Uttar Pradesh

Question ID : 264330157096
Option 1 ID : 264330615756
Option 2 ID : 264330615758
Option 3 ID : 264330615755
Option 4 ID : 264330615757
Status : Not Answered
Chosen Option : ...

Q.15 Which of the following is a collection of authoritative terminology originally compiled from IUPAC recommendations published by the scientific divisions of the union?

- Ans 1. Gold Book
 2. Purple Book
 3. Red Book
 4. Orange Book

Question ID : 264330141680
Option 1 ID : 264330555040
Option 2 ID : 264330555042
Option 3 ID : 264330555039
Option 4 ID : 264330555041
Status : Not Answered
Chosen Option : --

Q.16 Which of the following is an inanimate object that forms the environment?

- Ans 1. Plants
 2. Water
 3. Fungi
 4. Fish

Question ID : 264330113339
Option 1 ID : 264330445442
Option 2 ID : 264330445441
Option 3 ID : 264330445444
Option 4 ID : 264330445443
Status : Answered
Chosen Option : 2

Q.17 Whose invasion of India resulted in the third battle of Panipat?

- Ans 1. Ahmad Shah Abdali
 2. Dost Mohammad
 3. Nadir Shah
 4. Babur

Question ID : 264330109039
Option 1 ID : 264330428434
Option 2 ID : 264330428435
Option 3 ID : 264330428433
Option 4 ID : 264330428436
Status : Answered
Chosen Option : 1

Q.18 Appointment, posting and promotion of District Judge in a state are made by _____.

- Ans 1. Chief justice of the high court of the state in consultation with the governor
 2. Governor in consultation with the high court
 3. President in consultation with the High Court
 4. Chief Minister in consultation with Chief justice of High Court

Question ID : 264330130491
Option 1 ID : 264330511076
Option 2 ID : 264330511075
Option 3 ID : 264330511077
Option 4 ID : 264330511078
Status : Answered
Chosen Option : 1

Q.19 Apart from income tax, there will also be TDS at _____ and gift tax on digital assets to be paid by the receiver, depending on certain conditions.

- Ans 1. 1%
 2. 2%
 3. 5%
 4. 4%

Question ID : 264330156927
Option 1 ID : 264330615085
Option 2 ID : 264330615084
Option 3 ID : 264330615086
Option 4 ID : 264330615083
Status : Not Answered
Chosen Option : --

Q.20 Khagen Mahanta was a notable person in the folk music of _____.

- Ans 1. Odisha
 2. Uttar Pradesh
 3. Andhra Pradesh
 4. Assam

Question ID : 26433082116
Option 1 ID : 264330322298
Option 2 ID : 264330322300
Option 3 ID : 264330322297
Option 4 ID : 264330322299
Status : Not Answered
Chosen Option : --

Q.21 What is the horizontal field view of one eye in human beings?

- Ans 1. 150°
 2. 50°
 3. 90°
 4. 170°

Question ID : 264330134851
Option 1 ID : 264330528340
Option 2 ID : 264330528339
Option 3 ID : 264330528341
Option 4 ID : 264330528342
Status : Answered
Chosen Option : 1

Q.22 According to the Indian Constitution, which of the following is NOT a fundamental duty?

- Ans 1. To abide by the Constitution and respect its ideals
 2. To promote the spirit of brotherhood
 3. To safeguard public property
 4. To vote in public election

Question ID : 26433086792
Option 1 ID : 264330340812
Option 2 ID : 264330340809
Option 3 ID : 264330340811
Option 4 ID : 264330340810
Status : Answered
Chosen Option : 4

Q.23 The book 'Mitakshara' is related to which of the following fields?

- Ans
- 1. Agriculture
 - 2. Politics
 - 3. Finance
 - 4. Judiciary

Question ID : 26433089136
Option 1 ID : 264330350063
Option 2 ID : 264330350064
Option 3 ID : 264330350062
Option 4 ID : 264330350061
Status : Not Answered
Chosen Option : ..

Q.24 The question consists of two statements, namely, Assertion (A) and Reason (R). Use them to choose the correct alternative.

Assertion (A): Pocket money given by parents is included while estimating national income
Reason (R): It represents a transfer of payment from parents to children

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

Question ID : 264330108904
Option 1 ID : 264330427893
Option 2 ID : 264330427895
Option 3 ID : 264330427894
Option 4 ID : 264330427896
Status : Answered
Chosen Option : 4

Ans

Q.25 Who was the captain of India's Under-19 Women's cricket team that won the inaugural edition of the Women's Under-19 T-20 World Cup in January 2023?

- Ans
- 1. Sweta Sherawat
 - 2. Shafali Verma
 - 3. Archana Devi
 - 4. Richa Ghosh

Question ID : 264330132583
Option 1 ID : 264330519429
Option 2 ID : 264330519430
Option 3 ID : 264330519428
Option 4 ID : 264330519427
Status : Not Answered
Chosen Option : ..

Q.26 The weight loss and marked depletion of subcutaneous fat and muscle mass are characteristic features of which syndrome occurs in infants?

- Ans
- 1. Marasmus
 - 2. Down syndrome
 - 3. Eczema
 - 4. Pertussis

Question ID : 264330113784
Option 1 ID : 264330447224
Option 2 ID : 264330447221
Option 3 ID : 264330447222
Option 4 ID : 264330447223
Status : Answered
Chosen Option : 1

Q.27 Which city is known as 'Silicon Plateau'?

- Ans
- 1. Hyderabad
 - 2. Ahmedabad
 - 3. Bengaluru
 - 4. Chandigarh

Question ID : 264330113269
Option 1 ID : 264330445163
Option 2 ID : 264330445161
Option 3 ID : 264330445164
Option 4 ID : 264330445162
Status : Not Answered
Chosen Option : ...

Q.28 Match the hills of India with their regions.

Hills	Regions
1. Javadi Hills	a. Eastern Ghats
2. Doddabetta	b. Western Ghats
3. Jaintia Hills	c. Purvanchal
4. Patkai Hills	d. Meghalaya Plateau

- 1. 1-a, 2-b, 3-c, 4-d
- 2. 1-b, 2-a, 3-d, 4-c
- 3. 1-a, 2-b, 3-d, 4-c
- 4. 1-a, 2-d, 3-b, 4-c

Question ID : 264330138073
Option 1 ID : 264330540902
Option 2 ID : 264330540900
Option 3 ID : 264330540899
Option 4 ID : 264330540901
Status : Answered
Chosen Option : 3

Ans

Q.29 The total members who participate in the election of president is called _____.

- Ans
- 1. First Voters Group
 - 2. Electoral College
 - 3. President College
 - 4. Elite Election Group

Question ID : 264330120155
Option 1 ID : 264330470878
Option 2 ID : 264330470877
Option 3 ID : 264330470875
Option 4 ID : 264330470876
Status : Answered
Chosen Option : 2

Q.30 What is the architectural style of the Brihadisvara temple in Tamil Nadu?

- Ans
- 1. Gadaga
 - 2. Nagara
 - 3. Champa
 - 4. Dravidian

Question ID : 26433072660
Option 1 ID : 264330284901
Option 2 ID : 264330284902
Option 3 ID : 264330284903
Option 4 ID : 264330284900
Status : Answered
Chosen Option : 4

Q.31 Which of the following is NOT correct regarding the periodic table?

- Ans
- 1. There are 18 periods and 7 groups in the periodic table.
 - 2. Group 2 elements are called alkaline earth metals.
 - 3. There are 7 periods and 18 groups in the periodic table.
 - 4. Noble gases are included in group 18.

Question ID : 264330118022
Option 1 ID : 264330463904
Option 2 ID : 264330463905
Option 3 ID : 264330463903
Option 4 ID : 264330463906
Status : Answered
Chosen Option : 3

Q.32 The geothermal gradient is defined as the increase in temperature with depth in the earth. Accordingly, in normal continental crust, the rate of temperature rise within the first 3 to 5 kilometres of the Earth's surface is approximately _____.

- Ans
- 1. 25 °C/km
 - 2. 40 °C/km
 - 3. 10 °C/km
 - 4. 70 °C/km

Question ID : 264330113789
Option 1 ID : 264330447242
Option 2 ID : 264330447243
Option 3 ID : 264330447241
Option 4 ID : 264330447244
Status : Not Answered
Chosen Option : --

Q.33 'Pashto' language is spoken in which of the following neighbouring countries of India?

- Ans
- 1. Sri Lanka and Maldives
 - 2. Nepal and Bhutan
 - 3. Afghanistan and Pakistan
 - 4. China and Myanmar

Question ID : 264330113308
Option 1 ID : 264330445317
Option 2 ID : 264330445320
Option 3 ID : 264330445319
Option 4 ID : 264330445318
Status : Not Answered
Chosen Option : --

Q.34 The Sangeet Natak Akademi of India recognises 8 dance forms of Indian classical dance. Which of the following is NOT included?

- Ans
- 1. Chhau
 - 2. Kuchipudi
 - 3. Sattriya
 - 4. Bharatanatyam

Question ID : 26433064803
Option 1 ID : 264330253805
Option 2 ID : 264330253806
Option 3 ID : 264330253804
Option 4 ID : 264330253807
Status : Answered
Chosen Option : 1

Q.35 What is the term for the unwanted and unsolicited messages that are sent over the internet?

- Ans
- 1. Malware
 - 2. Phishing
 - 3. Spam
 - 4. Hacking

Question ID : 264330168574
Option 1 ID : 264330661110
Option 2 ID : 264330661108
Option 3 ID : 264330661107
Option 4 ID : 264330661109
Status : Answered
Chosen Option : 3

Q.36 How much energy is released from 1 gm of fat?

- Ans
- 1. 4 calories
 - 2. 9 calories
 - 3. 4.2 calories
 - 4. 5 calories

Question ID : 264330109916
Option 1 ID : 264330431941
Option 2 ID : 264330431942
Option 3 ID : 264330431944
Option 4 ID : 264330431943
Status : Answered
Chosen Option : 3

Q.37 Article 19 of the Constitution of India had originally guaranteed _____ rights.

- Ans
- 1. eight
 - 2. seven
 - 3. six
 - 4. five

Question ID : 264330130448
Option 1 ID : 264330510906
Option 2 ID : 264330510905
Option 3 ID : 264330510904
Option 4 ID : 264330510903
Status : Answered
Chosen Option : 2

Q.38 Name the programme launched by the Ministry of Health and Family Welfare to empower all healthcare workers engaged in oxygen management and administration with the essential knowledge and skills.

- 1. National Oxygen Management Programme
- 2. National Oxygen Development Programme
- 3. National Oxygen Supervision Programme
- 4. National Oxygen Stewardship Programme

Question ID : 264330156913
Option 1 ID : 264330615028
Option 2 ID : 264330615027
Option 3 ID : 264330615029
Option 4 ID : 264330615030
Status : Answered
Chosen Option : 3

Ans

Q.39 In September 2022, who among the following was honoured with the Dadasaheb Phalke Award for the year 2020?

- Ans
- 1. Amitabh Bachchan
 - 2. Vinod Khanna
 - 3. Asha Parekh
 - 4. Rajinikanth

Question ID : 264330133013
Option 1 ID : 264330521108
Option 2 ID : 264330521107
Option 3 ID : 264330521110
Option 4 ID : 264330521109
Status : Not Answered
Chosen Option : ..

Q.40 Which of the following article of the Constitution lays down that the National Flag and National Anthem must be respected?

- Ans
- 1. Art 51A (a)
 - 2. Art 51A (d)
 - 3. Art 51A (b)
 - 4. Art 51A (c)

Question ID : 264330112763
Option 1 ID : 264330443137
Option 2 ID : 264330443140
Option 3 ID : 264330443138
Option 4 ID : 264330443139
Status : Answered
Chosen Option : 1

Q.41 Which of the following programmes was initiated in 1979 with the objective of upgrading the traditional skills of rural youth belonging to families living below the poverty line, with family income below ₹3,500 per year?

- 1. Training to Rural Youth for Self Employment (TRYSEM)
- 2. National Rural Employment Programme (NREP)
- 3. Jawahar Rozgar Yojana (JRY)
- 4. Rural-Landless Employment Guarantee Programme (RLEGP)

Question ID : 264330119825
Option 1 ID : 264330469576
Option 2 ID : 264330469578
Option 3 ID : 264330469577
Option 4 ID : 264330469575
Status : Not Answered
Chosen Option : ...

Ans

Q.42 Which of the following is the most common omega-3 fatty acid found in vegetable oils, nuts (especially walnuts), flaxseed and leafy vegetables that help prevent heart disease and stroke?

- Ans
- 1. Docosahexaenoic acid (DHA)
 - 2. Eicosapentaenoic acid (EPA)
 - 3. Arachidonic acid (ARA)
 - 4. Alpha-linolenic acid (ALA)

Question ID : 264330110074
Option 1 ID : 264330432574
Option 2 ID : 264330432573
Option 3 ID : 264330432575
Option 4 ID : 264330432576
Status : Not Answered
Chosen Option : ...

Q.43 Select the correct combination of Indian classical dance and their respective dancer. Ans

- 1. Pandit Birju Maharaj – Sattriya
- 2. Elam Endira Devi – Manipuri
- 3. Surendra Nath Jena – Kuchipudi
- 4. Guru Bipin Singh – Mohiniyattam

Question ID : 264330130517
Option 1 ID : 264330511180
Option 2 ID : 264330511179
Option 3 ID : 264330511182
Option 4 ID : 264330511181
Status : Marked For Review
Chosen Option : 4

Q.44 What is the correct sequence of the following ports of India from North to South?

- A. Kochi port
 - B. Mormugao port
 - C. Kandla port
 - D. Mumbai port
- 1. B, A, D, C
 - 2. A, B, C, D
 - 3. A, D, B, C
 - 4. C, D, B, A

Question ID : 264330138065
Option 1 ID : 264330540867
Option 2 ID : 264330540868
Option 3 ID : 264330540870
Option 4 ID : 264330540869
Status : Answered
Chosen Option : 4

Ans

Q.45 A Parliamentary delegation from _____, led by HE Wangchuk Namgyel, called on the President of India Droupadi Murmu at Rashtrapati Bhavan on 7th February 2023.

- 1. Myanmar
- 2. Bhutan
- 3. Nepal
- 4. Turkey

Question ID : 264330132617
Option 1 ID : 264330519564
Option 2 ID : 264330519565
Option 3 ID : 264330519563
Option 4 ID : 264330519566
Status : Not Answered
Chosen Option : ..

Match the column-A with column-B.

Column-A (Rock)

i. Sedimentary rocks

ii. Igneous rocks

iii. Metamorphic rocks

Column-B (Structure type)

a. Stratification and lamination

b. crystalline structure

c. Foliation

Q.46

- Ans
- 1. i-c, ii-b, iii-a
 - 2. i-a, ii-c, iii-b
 - 3. i-a, ii-b, iii-c
 - 4. i-b, ii-a, iii-c

Question ID : 26433089680
Option 1 ID : 264330352224
Option 2 ID : 264330352223
Option 3 ID : 264330352221
Option 4 ID : 264330352222
Status : Answered
Chosen Option : 2

Q.47 Tabla maestro Ustad Alla Rakha was a musician trained by Mian Kader Baksh of the _____.

- 1. Delhi gharana
- 2. Farrukhabad gharana
- 3. Punjab gharana
- 4. Lucknow gharana

Question ID : 26433066682
Option 1 ID : 264330261254
Option 2 ID : 264330261255
Option 3 ID : 264330261252
Option 4 ID : 264330261253
Status : Not Answered
Chosen Option : ..

Ans

Q.48 The headquarters of the Ghadar Party was located at which place?

- Ans
- 1. San Francisco
 - 2. New York
 - 3. Chicago
 - 4. Washington

Question ID : 264330109049
Option 1 ID : 264330428475
Option 2 ID : 264330428473
Option 3 ID : 264330428476
Option 4 ID : 264330428474
Status : Not Answered
Chosen Option : ..

Q.49 Which parameter is kept constant in Boyle's Law?

- Ans
- 1. Pressure and mass
 - 2. Temperature
 - 3. Mass
 - 4. Temperature and pressure

Question ID : 264330131674
Option 1 ID : 264330515796
Option 2 ID : 264330515797
Option 3 ID : 264330515798
Option 4 ID : 264330515795
Status : Answered
Chosen Option : 2

Q.50 According to Census of India 2011, what was the sex ratio of Tamil Nadu?

- Ans
- 1. 993
 - 2. 991
 - 3. 931
 - 4. 996

Question ID : 264330116477
Option 1 ID : 264330457993
Option 2 ID : 264330457995
Option 3 ID : 264330457996
Option 4 ID : 264330457994
Status : Not Answered
Chosen Option : --

Section : General Engineering Civil and Structural

Q.1 A manometer is an instrument used for measuring the pressure acting on a column of fluid, which consists of a U-shaped tube of liquid in which the difference in pressure acting in the two arms of the tube causes the liquid to reach different heights in the two arms. Which of the following is NOT a limitation of the manometer?

- Ans
- 1. Difficulty in construction
 - 2. Need for levelling
 - 3. No over-range protection
 - 4. Large and bulky size

Question ID : 264330158989
Option 1 ID : 264330623317
Option 2 ID : 264330623315
Option 3 ID : 264330623316
Option 4 ID : 264330623318
Status : Answered
Chosen Option : 4

Q.2 What is the minimum value of effective depth of a cantilever RCC beam of span 7 m to satisfy the vertical deflection limit as per IS 456-2000?

- Ans
- 1. 350 mm
 - 2. 500 mm
 - 3. 269.2 mm
 - 4. 1000 mm

Question ID : 264330159654
Option 1 ID : 264330625976
Option 2 ID : 264330625977
Option 3 ID : 264330625975
Option 4 ID : 264330625978
Status : Answered
Chosen Option : 4

Q.3 Match the following.

Air Pollutant	Effect
I. Carbon monoxide	A. Asphyxia
II. Halogenated solvents	B. Attack(s) the liver
III. Hydrocarbons	C. Cause(s) cancer

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

Question ID : 264330160689
Option 1 ID : 264330630088
Option 2 ID : 264330630090
Option 3 ID : 264330630087
Option 4 ID : 264330630089
Status : Not Answered
Chosen Option : --

Q.4 A 3-degrees curve is situated on a ruling gradient of 1 in 250 on a broad Gauge track. What should be the actual ruling gradient considering the grade compensation of curvature?

- Ans
- 1. 0.12%
 - 2. 0.28%
 - 3. 1 in 300
 - 4. 1 in 280

Question ID : 26433091103
Option 1 ID : 264330357822
Option 2 ID : 264330357821
Option 3 ID : 264330357823
Option 4 ID : 264330357824
Status : Not Answered
Chosen Option : --

Q.5 If a pitot tube is placed with its nose facing downstream, the liquid:

- Ans
- 1. does not rise in the tube
 - 2. falls in the tube to a height of $\frac{v^2}{2g}$
 - 3. rises in the tube to a height of $\frac{v^2}{2g}$
 - 4. does not fall in the tube

Question ID : 264330158931
Option 1 ID : 264330623083
Option 2 ID : 264330623086
Option 3 ID : 264330623085
Option 4 ID : 264330623084
Status : Answered
Chosen Option : 3

Q.6 _____ is the best suited method of irrigation for arid conditions in hot and windy areas so as to achieve optimum usage of irrigation water.

- Ans
- 1. Drip irrigation method
 - 2. Sprinkler irrigation method
 - 3. Furrow irrigation method
 - 4. Border strip method

Question ID : 264330158531
Option 1 ID : 264330621484
Option 2 ID : 264330621483
Option 3 ID : 264330621485
Option 4 ID : 264330621486
Status : Answered
Chosen Option : 1

Q.7 If a cantilever retaining wall is to retain soil to its full height H, for the analysis of bending moment at its base, the distance from the base where the total force due to backfill acts, is _____.

- Ans
- 1. 0.25 H
 - 2. 0.5 H
 - 3. H
 - 4. 0.33 H

Question ID : 264330100812
Option 1 ID : 264330395795
Option 2 ID : 264330395794
Option 3 ID : 264330395793
Option 4 ID : 264330395796
Status : Answered
Chosen Option : 4

Q.8 A map of a certain area is drawn on a sheet. The distance on the map is 1 dm and that on the ground is 5 km. The representative fraction for the given data is _____. (Note that 'dm' means decimetre.)

- Ans
- 1. $\frac{1}{50000}$
 - 2. $\frac{1}{500}$
 - 3. $\frac{1}{500000}$
 - 4. $\frac{1}{5000}$

Question ID : 264330159310
Option 1 ID : 264330624601
Option 2 ID : 264330624599
Option 3 ID : 264330624602
Option 4 ID : 264330624600
Status : Answered
Chosen Option : 3

Q.9 For zenith angles greater than 90°, the telescope of the total station will be _____.

- Ans
- 1. pointing to the left of the observer
 - 2. pointing to the right of the observer
 - 3. pointing downwards
 - 4. pointing upwards

Question ID : 264330159303
Option 1 ID : 264330624574
Option 2 ID : 264330624573
Option 3 ID : 264330624572
Option 4 ID : 264330624571
Status : Not Answered
Chosen Option : ..

Q.10 Municipal solid waste is also known as: Ans

- 1. street sweepings
- 2. leachate
- 3. municipal rubbish
- 4. refuse

Question ID : 26433099413
Option 1 ID : 264330390267
Option 2 ID : 264330390268
Option 3 ID : 264330390265
Option 4 ID : 264330390266
Status : Answered
Chosen Option : 4

Q.11 Consider the following statements in a situation where cement and steel are supplied by the department.

I: 10% profit should be added on the cost of cement and steel.

II: Cost of carriage from godown to site work should be added.

Which of the following options is true?

- Ans
- 1. Only statement II is true
 - 2. Both statements I and II are true
 - 3. Only statement I is true
 - 4. Both statements I and II are false

Question ID : 26433099359
Option 1 ID : 264330390051
Option 2 ID : 264330390050
Option 3 ID : 264330390049
Option 4 ID : 264330390052
Status : Not Answered
Chosen Option : ..

Q.12 The number of vibrations of a sound wave per unit time is measured in _____.

- 1. pressure second
- 2. hertz
- 3. decibel
- 4. bel

Question ID : 264330162705
Option 1 ID : 264330638142
Option 2 ID : 264330638139
Option 3 ID : 264330638140
Option 4 ID : 264330638141
Status : Answered
Chosen Option : 2

Ans

Q.13 Which of the following types of trees belong to the endogenous trees?

- Ans
- 1. Oak
 - 2. Bamboo
 - 3. Deodar
 - 4. Pine

Question ID : 264330157876
Option 1 ID : 264330618864
Option 2 ID : 264330618863
Option 3 ID : 264330618865
Option 4 ID : 264330618866
Status : Answered
Chosen Option : 2

Q.14 As per IS 3495 part-3 (1992), soluble salts, if present in bricks, will cause efflorescence on the surface of bricks. If the white deposits cover about 10% of the surface, the efflorescence is said to be

- Ans
- 1. nil
 - 2. slight
 - 3. moderate
 - 4. heavy

Question ID : 264330157860
Option 1 ID : 264330618799
Option 2 ID : 264330618800
Option 3 ID : 264330618801
Option 4 ID : 264330618802
Status : Answered
Chosen Option : 2

Q.15 In a compaction test, the dry unit weight stops increasing after optimum moisture content because:

- 1. water particles start occupying space of soil grains
- 2. of capillary action
- 3. of bulking of soil
- 4. the electrical double layer stops expanding

Question ID : 264330160347
Option 1 ID : 264330628729
Option 2 ID : 264330628728
Option 3 ID : 264330628727
Option 4 ID : 264330628730
Status : Answered
Chosen Option : 1

Ans

Q.16 As per the Dicken's formula $Q_p = C.M^{3/4}$ for the calculation of peak drainage discharge, the term 'M' represents:

- Ans
- 1. rainfall intensity over the entire area
 - 2. slope of the ground surface
 - 3. time of concentration
 - 4. catchment area in sq. km.

Question ID : 26433095953
Option 1 ID : 264330376582
Option 2 ID : 264330376584
Option 3 ID : 264330376581
Option 4 ID : 264330376583
Status : Answered
Chosen Option : 4

Q.17 Which of the following keeps a record of receipts, issues and running balance of certain items of stock, especially of fitting items?

- Ans
- 1. Stock items
 - 2. Bin card
 - 3. Quantity account
 - 4. Value account

Question ID : 26433099341
Option 1 ID : 264330389978
Option 2 ID : 264330389977
Option 3 ID : 264330389980
Option 4 ID : 264330389979
Status : Not Answered
Chosen Option : _

Q.18 In traffic control, the conflict points are reduced to bare minimum and the delays are minimised by designing:

- 1. horizontal curve
- 2. super-passage
- 3. road intersection
- 4. bridges

Question ID : 26433086551
Option 1 ID : 264330339846
Option 2 ID : 264330339848
Option 3 ID : 264330339845
Option 4 ID : 264330339847
Status : Answered
Chosen Option : 4

Ans

Q.19 The total amount of dissolved salts allowable concentrations in mixing water in order to obtain a good strength concrete in terms of parts per million (ppm) as per IS 456 is _____.

- Ans
- 1. 2000 ppm
 - 2. 1000 ppm
 - 3. 15000 ppm
 - 4. 10000 ppm

Question ID : 264330100164
Option 1 ID : 264330393230
Option 2 ID : 264330393229
Option 3 ID : 264330393232
Option 4 ID : 264330393231
Status : Answered
Chosen Option : 1

Q.20 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

Assertion: The orographic type of precipitation that is caused by moving masses of moist air may get lifted up to higher altitudes, due to presence of mountains as barriers. Reason: Moving masses of moist air are lifted up to higher altitudes due to presence of mountains as barriers and consequently, they undergo cooling, condensation and precipitation.

- Ans1. 1. Both Assertion and Reason are true and Reason is the correct explanation of Assertion.
 2. Assertion is true, but Reason is false.
 3. Both Assertion and Reason are false.
 4. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.

Question ID : 264330158601
Option 1 ID : 264330621763
Option 2 ID : 264330621765
Option 3 ID : 264330621766
Option 4 ID : 264330621764
Status : Answered
Chosen Option : 1

Q.21 The type of timber recommended for constructional purpose, whose modulus of elasticity in bending is above 12.5 kN/mm^2 , is classified as _____ timber.

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

Question ID : 264330160396
Option 1 ID : 264330628925
Option 2 ID : 264330628923
Option 3 ID : 264330628924
Option 4 ID : 264330628926
Status : Answered
Chosen Option : 2

Ans

Q.22 Which method involves driving piles along both sides of an existing wall and inserting a needle in the form of pile caps through the existing one?

- Ans 1. Miscellaneous method
 2. Pit method
 3. Pile method
 4. Vibro-flotation

Question ID : 264330167517
Option 1 ID : 264330657042
Option 2 ID : 264330657039
Option 3 ID : 264330657040
Option 4 ID : 264330657041
Status : Not Answered
Chosen Option : ...

Q.23 Which of the following is an acoustical property of the construction material?

- Ans
- 1. Thermal resistivity
 - 2. Creep
 - 3. Transmission
 - 4. Hygroscopicity

Question ID : 264330157862
Option 1 ID : 264330618808
Option 2 ID : 264330618807
Option 3 ID : 264330618810
Option 4 ID : 264330618809
Status : Not Answered
Chosen Option : --

Q.24 The total area enclosed by an irrigation canal that can be included in an irrigation project for supplying water to agricultural land by a network of canals is known as _____.

- Ans
- 1. culturable command area
 - 2. gross command area
 - 3. culturable cultivable area
 - 4. unculturable area

Question ID : 264330158537
Option 1 ID : 264330621507
Option 2 ID : 264330621509
Option 3 ID : 264330621508
Option 4 ID : 264330621510
Status : Answered
Chosen Option : 1

Q.25 The coefficient of passive pressure K_p is _____ if the coefficient of active pressure K_a is $1/4$.

- Ans
- 1. 0.33
 - 2. 4
 - 3. 0.25
 - 4. 0.5

Question ID : 26433099674
Option 1 ID : 264330391294
Option 2 ID : 264330391296
Option 3 ID : 264330391293
Option 4 ID : 264330391295
Status : Answered
Chosen Option : 2

Q.26 With increase in the input power of pump, the efficiency of pump _____.

- Ans
- 1. decreases
 - 2. remains the same
 - 3. It is independent of the power
 - 4. increases

Question ID : 264330158966
Option 1 ID : 264330623223
Option 2 ID : 264330623225
Option 3 ID : 264330623226
Option 4 ID : 264330623224
Status : Answered
Chosen Option : 1

Q.27 A proper compaction of freshly prepared concrete results in:

- (i) Achieving maximum strength of concrete
- (ii) Expelling entrapped air in concrete
- (iii) Change in fineness modulus of aggregate

Ans 1. Only (ii)

2. Both (i) and (ii)

3. (i), (ii), and (iii)

4. Only (i)

Question ID : 264330100168
Option 1 ID : 264330393248
Option 2 ID : 264330393246
Option 3 ID : 264330393247
Option 4 ID : 264330393245
Status : Answered
Chosen Option : 2

Q.28 Select the correct statement related to water distribution pipe systems.

1. Sluice valves are provided only once, at the start of pipe system.

2. Air valves are provided at all the low points.

3. Drain valves are provided at all the high points.

4. Drain valves are provided at all the low points.

Question ID : 26433095956
Option 1 ID : 264330376594
Option 2 ID : 264330376595
Option 3 ID : 264330376596
Option 4 ID : 264330376593
Status : Answered
Chosen Option : 4

Ans

Q.29 Read the given statements about crop water requirement and select the correct option. Statement 1: Duty will be less for a crop requiring more water.

Statement 2: The water lost due to percolation will be more and hence the duty will be more. Ans

1. Both statement 1 and statement 2 are false

2. Both statement 1 and statement 2 are true

3. Statement 1 is true and statement 2 is false

4. Statement 1 is false and statement 2 is true

Question ID : 26433099449
Option 1 ID : 264330390410
Option 2 ID : 264330390409
Option 3 ID : 264330390411
Option 4 ID : 264330390412
Status : Answered
Chosen Option : 2

Q.30 A reinforced concrete retaining structure that provides skeletal support to earthen materials is called _____.

- Ans 1. backfill
 2. erosion
 3. lateral pressure
 4. plasticity

Question ID : 26433099381
Option 1 ID : 264330390140
Option 2 ID : 264330390137
Option 3 ID : 264330390138
Option 4 ID : 264330390139
Status : Answered
Chosen Option : 1

Q.31 The standard consistency test of cement is conducted by using _____.

- Ans 1. Casagrande's apparatus
 2. Blaine's permeability apparatus
 3. Le Chatelier's apparatus
 4. Vicat's apparatus

Question ID : 264330157681
Option 1 ID : 264330618086
Option 2 ID : 264330618085
Option 3 ID : 264330618084
Option 4 ID : 264330618083
Status : Answered
Chosen Option : 4

Q.32 In a shrinkage limit experiment, mercury is used for:

- Ans 1. prevent shrinkage of soil
 2. determine volume at plastic limit
 3. fill the voids of soil sample
 4. determine dry volume of soil

Question ID : 264330160370
Option 1 ID : 264330628822
Option 2 ID : 264330628820
Option 3 ID : 264330628821
Option 4 ID : 264330628819
Status : Not Answered
Chosen Option : --

Q.33 If the magnetic bearing of the Sun at a certain place in the Southern Hemisphere during noon is $336^{\circ} 29'$, then the magnetic declination at that place is _____.

- Ans 1. $66^{\circ} 29' E$
 2. $66^{\circ} 29' W$
 3. $23^{\circ} 31' E$
 4. $23^{\circ} 31' W$

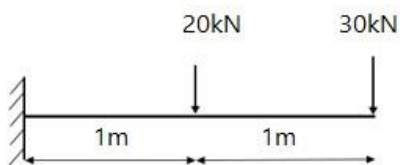
Question ID : 264330160193
Option 1 ID : 264330628113
Option 2 ID : 264330628114
Option 3 ID : 264330628111
Option 4 ID : 264330628112
Status : Answered
Chosen Option : 3

Q.34 Which of the following is NOT a structural stability criterion of a gravity dam?

- Ans 1. Overspill
 2. Crushing
 3. Sliding
 4. Overturning

Question ID : 26433099379
Option 1 ID : 264330390131
Option 2 ID : 264330390132
Option 3 ID : 264330390130
Option 4 ID : 264330390129
Status : Answered
Chosen Option : 2

Q.35 A cantilever beam is subjected to two point loads as shown in the given diagram.
Find the shear force and bending moment acting at the support of the beam.



- Ans 1. SF = 50000 N, BM = 80 kN-m
 2. SF = 10 kN, BM = 80 kN-m
 3. SF = 50 kN, BM = 8000 N-m
 4. SF = 50 kN, BM = 50 kN-m

Question ID : 26433088027
Option 1 ID : 264330345721
Option 2 ID : 264330345724
Option 3 ID : 264330345723
Option 4 ID : 264330345722
Status : Answered
Chosen Option : 1

Q.36 During rainy season, if the rainfall is sufficient during the crop period, less quantity of irrigation water shall be required and therefore, the duty of the irrigation canal will be _____.

- Ans 1. more
 2. No relation between the duty and the rainfall
 3. the same
 4. less

Question ID : 264330158542
Option 1 ID : 264330621528
Option 2 ID : 264330621530
Option 3 ID : 264330621529
Option 4 ID : 264330621527
Status : Answered
Chosen Option : 1

Q.37 Which of the following is obtained by rotating a log of wood against a sharp knife of rotary cutter?

- Ans
- 1. Batten board
 - 2. Veneers
 - 3. Laminboard
 - 4. Plywood

Question ID : 264330157856
Option 1 ID : 264330618784
Option 2 ID : 264330618785
Option 3 ID : 264330618783
Option 4 ID : 264330618786
Status : Not Answered
Chosen Option : ..

Q.38 Which of the following is NOT the requirement of an ideal permanent way? Ans

- 1. There must be certain amount of elasticity in the track.
- 2. There must be provisions of easy renewals.
- 3. It should always be straight.
- 4. The drainage system must be perfect.

Question ID : 26433086542
Option 1 ID : 264330339809
Option 2 ID : 264330339811
Option 3 ID : 264330339810
Option 4 ID : 264330339812
Status : Not Answered
Chosen Option : ..

Ans

Q.40 The relative error in a closed traverse survey with perimeter of 500 m is 1 in 2000. If the closing error lies in the fourth quadrant (Positive - Y and Negative - X), then the errors in latitude and departure, closer to two decimal point, will be _____, respectively.

1. $\sqrt{0.2}$ m and $-\sqrt{0.15}$ m

Ans

2. 0.2 m and - 0.15 m

3. 0.2 m and 0.15 m

4. $\sqrt{0.2}$ m and $\sqrt{0.15}$ m

Question ID : 264330160628
Option 1 ID : 264330629846
Option 2 ID : 264330629845
Option 3 ID : 264330629843
Option 4 ID : 264330629844
Status : Answered
Chosen Option : 2

Q.41 Warning signs are also known as _____.

1. cautionary signs

2. prohibitory signs

3. mandatory signs

4. regulatory signs

Question ID : 264330157182
Option 1 ID : 264330616094
Option 2 ID : 264330616091
Option 3 ID : 264330616092
Option 4 ID : 264330616093
Status : Answered
Chosen Option : 1

Ans

Q.42 As per IS 11624-1986, what will be the water quality rating of irrigation water when electrical conductivity (EC) is in the range of 1500 to 3000 (micromhos/cm)?

Ans 1. Medium

2. Very high

3. High

4. Low

Question ID : 264330157863
Option 1 ID : 264330618812
Option 2 ID : 264330618814
Option 3 ID : 264330618813
Option 4 ID : 264330618811
Status : Marked For Review
Chosen Option : 3

Q.43 According to IS 456:2000, The value of design bond stress in limit state method for plain bars in tension depends on the:

- Ans
- 1. none of the given option
 - 2. grade of the steel
 - 3. grade of the concrete
 - 4. length of the bar

Question ID : 264330100799
Option 1 ID : 264330395743
Option 2 ID : 264330395741
Option 3 ID : 264330395742
Option 4 ID : 264330395744
Status : Answered
Chosen Option : 3

Q.44 Which of the following is the most important property of the section in a compression member of any steel structure?

- Ans
- 1. Modulus of elasticity
 - 2. Moment of inertia
 - 3. Section modulus
 - 4. Weight of material

Question ID : 264330159688
Option 1 ID : 264330626111
Option 2 ID : 264330626114
Option 3 ID : 264330626112
Option 4 ID : 264330626113
Status : Answered
Chosen Option : 3

Q.45 In measurement of masonry activity, no deduction is made for _____.

- Ans
- 1. the end of a beam with cross sectional area $> 0.05 \text{ m}^2$
 - 2. bed plates exceeding 10 cm thickness
 - 3. the end of purlin up to 0.05 m^2
 - 4. wall plates exceeding 10 cm thickness

Question ID : 26433091119
Option 1 ID : 264330357885
Option 2 ID : 264330357888
Option 3 ID : 264330357887
Option 4 ID : 264330357886
Status : Answered
Chosen Option : 3

Q.46 Which of the following is NOT employed in the secondary treatment of sewage?

- Ans
- 1. Skimming tanks
 - 2. Trickling filters
 - 3. Contact beds
 - 4. Sand filters

Question ID : 264330160703
Option 1 ID : 264330630143
Option 2 ID : 264330630145
Option 3 ID : 264330630144
Option 4 ID : 264330630146
Status : Answered
Chosen Option : 1

Q.47 Under which of the following conditions will a steel column fail in buckling?

- Ans
- 1. The column is short.
 - 2. less than 180
 - 3. A steel column cannot fail in buckling.
 - 4. greater than 180

Question ID : 264330159696
Option 1 ID : 264330626143
Option 2 ID : 264330626145
Option 3 ID : 264330626146
Option 4 ID : 264330626144
Status : Answered
Chosen Option : 4

Q.48 The Froude number is the ratio of two forces, which are:

- Ans
- 1. buoyancy force and inertia force
 - 2. inertia force and gravity force
 - 3. viscous force and buoyancy force
 - 4. inertia force and pressure force

Question ID : 264330158928
Option 1 ID : 264330623072
Option 2 ID : 264330623073
Option 3 ID : 264330623074
Option 4 ID : 264330623071
Status : Answered
Chosen Option : 2

Q.49 According to IS 456:2000, for limit state method of collapse inflexure, which of the following assumptions is correct?

- Ans
- 1. The tensile strength of the concrete is taken into account.
 - 2. The maximum strain in concrete at the outermost compression fibre is taken as 0.0035 in bending.
 - 3. The relationship between the stress strain distribution in concrete is assumed to be straight.
 - 4. Plane section normal to axis does not remain plane after bending.

Question ID : 264330100803
Option 1 ID : 264330395759
Option 2 ID : 264330395760
Option 3 ID : 264330395758
Option 4 ID : 264330395757
Status : Answered
Chosen Option : 2

Q.50 The constant head permeability test is used for _____.

- Ans
- 1. fine grained soil
 - 2. organic soil
 - 3. clayey soil
 - 4. coarse grained soil

Question ID : 26433096818
Option 1 ID : 264330380009
Option 2 ID : 264330380012
Option 3 ID : 264330380011
Option 4 ID : 264330380010
Status : Answered
Chosen Option : 4

Q.51 The following is the table containing data recorded during curve setting by using the two theodolite method.

Point	Chord Length	Tangential Angle	Deflection Angle	Theodolite reading at	
				Point of Curve	Point of Tangency
P1	12.26 m	0° 21' 25"	A	0° 21' 25"	
P2	20 m	1° 12' 5"		B	
P3	20 m	1° 12' 5"			C
P4	20 m	1° 12' 5"	3° 57' 40"		

The values of A, B and C are ____, ____, and ____, respectively.

- Ans
- 1. A = 0° 21' 25"; B = 1° 54' 55"; C = 177° 14' 25"
 - 2. A = 0° 21' 25"; B = 1° 33' 30"; C = 357° 14' 25"
 - 3. A = 0° 21' 25"; B = 1° 33' 30"; C = 177° 14' 25"
 - 4. A = 0° 21' 25"; B = 1° 33' 30"; C = 182° 45' 35"

Question ID : 264330159336
 Option 1 ID : 264330624706
 Option 2 ID : 264330624703
 Option 3 ID : 264330624704
 Option 4 ID : 264330624705
 Status : Answered
 Chosen Option : 3

Q.52 The moment of inertia of a body is a measurement of:

- 1. its resistance against translation
- 2. its resistance against shear
- 3. its resistance against linear deformation
- 4. its resistance against rotation

Question ID : 26433099374
 Option 1 ID : 264330390110
 Option 2 ID : 264330390112
 Option 3 ID : 264330390109
 Option 4 ID : 264330390111
 Status : Not Answered
 Chosen Option : ..

Ans

Q.53 The shear strength of an RCC beam depends on which of the following factors? Ans 1.

The grade of the concrete

- 2. The type of cement
- 3. The grade of the steel
- 4. The zone of fine aggregate

Question ID : 264330100806
 Option 1 ID : 264330395769
 Option 2 ID : 264330395771
 Option 3 ID : 264330395770
 Option 4 ID : 264330395772
 Status : Answered
 Chosen Option : 1

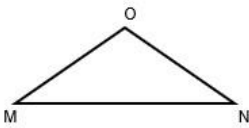
Q.54 The bearing of the magnetic meridian of a line is S 32° 10' W. If the magnetic declination is 7° 40' East, then the true bearing is _____.

- Ans
- 1. S 25° 30' W
 - 2. 212° 10'
 - 3. S 39° 50' W
 - 4. 205° 30'

Question ID : 264330159317
Option 1 ID : 264330624628
Option 2 ID : 264330624629
Option 3 ID : 264330624627
Option 4 ID : 264330624630
Status : Answered
Chosen Option : 3

Q.55

Consider the following methods used to establish a point in the field. (Refer to the figure below.)



Method 1: Point O is plotted by measuring only the distances MO and NO.

Method 2: Point O is plotted by measuring only the angles NMO and MNO.

Which of these methods also represents the principle of trigonometrical levelling?

- Ans
- 1. Method 1 only
 - 2. Neither Method 1 nor Method2
 - 3. Method 2 only
 - 4. Both Method 1 and Method2

Question ID : 264330160590
Option 1 ID : 264330629691
Option 2 ID : 264330629694
Option 3 ID : 264330629692
Option 4 ID : 264330629693
Status : Answered
Chosen Option : 3

Q.56 What is the meaning of 'ISMB 200' in the steel design?

- Ans
- 1. Indian standard medium weight beams of depth 200 mm
 - 2. Indian standard mild weight beams of depth 200 mm
 - 3. Indian standard mean weight beams of depth 200 mm
 - 4. Indian standard maximum weight beams of depth 200 mm

Question ID : 264330159695
Option 1 ID : 264330626141
Option 2 ID : 264330626140
Option 3 ID : 264330626142
Option 4 ID : 264330626139
Status : Answered
Chosen Option : 1

Q.57 _____ is a method of measuring the undrained shear strength of a cohesive soil.

- Ans 1. vane shear test
 2. torsion test
 3. triaxial test
 4. direct shear test

Question ID : 264330160388
Option 1 ID : 264330628891
Option 2 ID : 264330628894
Option 3 ID : 264330628893
Option 4 ID : 264330628892
Status : Answered
Chosen Option : 1

Q.58 Calculate the most economic area of a rectangular channel section with width B and depth y .

- Ans 1. y^2
 2. By
 3. $2y^2$
 4. $3y^2$

Question ID : 264330158927
Option 1 ID : 264330623067
Option 2 ID : 264330623068
Option 3 ID : 264330623070
Option 4 ID : 264330623069
Status : Answered
Chosen Option : 3

Q.59 Which of the following is a type of contouring method that can be effectively used in a hilly terrain by setting radial lines?

- Ans 1. Vertical control method
 2. Tacheometric method
 3. Horizontal control method
 4. Method of cross-section

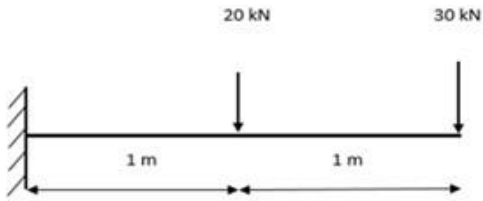
Question ID : 264330159326
Option 1 ID : 264330624663
Option 2 ID : 264330624665
Option 3 ID : 264330624664
Option 4 ID : 264330624666
Status : Answered
Chosen Option : 2

Q.60 The repair works that are usually carried out every fourth year are known as _____.

- Ans 1. quadrennial repair works
 2. regular repair works
 3. biennial repair works
 4. annual repair works

Question ID : 26433091125
Option 1 ID : 264330357911
Option 2 ID : 264330357912
Option 3 ID : 264330357910
Option 4 ID : 264330357909
Status : Answered
Chosen Option : 1

Q.61 A cantilever beam is loaded as per the given diagram. Find the bending moment acting at the mid span of beam.



- Ans
- 1. 50 kN-m
 - 2. 5000 N-m
 - 3. 30 kN-m
 - 4. 3000 N-m

Question ID : 264330159410
Option 1 ID : 264330624999
Option 2 ID : 264330625002
Option 3 ID : 264330625001
Option 4 ID : 264330625000
Status : Answered
Chosen Option : 3

Q.62 The specific energy of flow is the energy per unit weight of water with respect to the channel bottom as datum. As level of the channel bottom goes down, _____.

- 1. specific energy increases
- 2. specific energy is not depended on depth
- 3. specific energy constant
- 4. specific energy decreases

Question ID : 26433091054
Option 1 ID : 264330357625
Option 2 ID : 264330357628
Option 3 ID : 264330357627
Option 4 ID : 264330357626
Status : Answered
Chosen Option : 4

Ans

Q.63 To get the corresponding lengths, we must _____ one breadth to the long wall and _____ one breadth from the short wall from the centre line. Ans

- 1. subtract; subtract
- 2. subtract; add
- 3. add; add
- 4. add; subtract

Question ID : 264330159830
Option 1 ID : 264330626669
Option 2 ID : 264330626670
Option 3 ID : 264330626668
Option 4 ID : 264330626667
Status : Answered
Chosen Option : 4

Q.64 If the section factor and the hydraulic depth for a rectangular channel are 40 m and 4 m, respectively, then calculate the top width of the channel.

- Ans 1. 5 m
 2. 3 m
 3. 4 m
 4. 6 m

Question ID : 264330158925
Option 1 ID : 264330623059
Option 2 ID : 264330623061
Option 3 ID : 264330623060
Option 4 ID : 264330623062
Status : Not Answered
Chosen Option : ..

Q.65 Which of the given options is the best suited condition for energy recovery from municipal solid waste?

1. Presence of inorganic matter such as metal
 2. High calorific value of solid waste
 3. Presence of more non-renewable resources like glass
 4. More moisture content

Question ID : 26433095929
Option 1 ID : 264330376485
Option 2 ID : 264330376487
Option 3 ID : 264330376488
Option 4 ID : 264330376486
Status : Answered
Chosen Option : 2

Ans

Thermal expansion gives temperature stresses that are resisted by the weight of the rails. If the resistance provided per km of rail length is 700 kg, then find the maximum length of the continuous welded track that can be provided, neglecting all other factors.

Given for the rail:

Area of cross-section = 50 cm².

Modulus of elasticity = 2×10^6 kg/cm².

Coefficient of thermal expansion = $1.2 \times 10^{-5}/^{\circ}\text{C}$

Q.66 Rise in temperature = 35°C

- Ans 1. 60 km
 2. 30 m
 3. 60 m
 4. 30 km

Question ID : 264330100770
Option 1 ID : 264330395626
Option 2 ID : 264330395628
Option 3 ID : 264330395625
Option 4 ID : 264330395627
Status : Not Answered
Chosen Option : ..

Following are the observations made on a closed traverse.

Line	Fore Bearing	Back Bearing
PQ	35° 20'	216° 40'
QR	155° 30'	336° 30'
RS	293°	113°
SP	10° 50'	191° 10'

If the bearing of Line RS is not affected by local attraction, the correction that needs to be applied to each angle is _____.

Q.67

- Ans
- 1. + 2° 40'
 - 2. - 2° 40'
 - 3. - 0° 40'
 - 4. + 0° 40'

Question ID : 264330160599
Option 1 ID : 264330629730
Option 2 ID : 264330629729
Option 3 ID : 264330629727
Option 4 ID : 264330629728
Status : Not Answered
Chosen Option : ..

Q.68 Which of the following methods explains the process of underwater concreting?

- (i) Pumping technique
- (ii) Hydro valve method
- (iii) Toggle bags method
- (iv) Bagged concrete method

- 1. Only (i), (ii), (iii)
- 2. Only (i)
- 3. Both (i) and (ii)
- 4. (i), (ii), (iii), and (iv)

Question ID : 264330100169
Option 1 ID : 264330393251
Option 2 ID : 264330393249
Option 3 ID : 264330393250
Option 4 ID : 264330393252
Status : Not Answered
Chosen Option : ..

Ans

Q.69 Select the correct option for the given statements.

Statement 1: In level crossing, the canal water and drain water are allowed to intermingle with each other.

Statement 2: A level crossing is generally provided when a large canal and huge drainage approaches each other practically at the same level.

Ans1. Both statement 1 and statement 2 are true, and statement 2 is the correct explanation of statement 1

2. Statement 1 is true and statement 2 is false

3. Statement 1 is false and statement 2 is true

4. Both statement 1 and statement 2 are true, but statement 2 is not the correct explanation of statement 1

Question ID : 26433099452

Option 1 ID : 264330390421

Option 2 ID : 264330390423

Option 3 ID : 264330390424

Option 4 ID : 264330390422

Status : Answered

Chosen Option : 1

Q.70 The precipitation is collected and measured in a rain gauge. The non-recording type rain gauge extensively used in India is _____.

1. Symon's rain gauge

2. float type rain gauge

3. weighing-bucket type rain gauge

4. tipping-bucket type rain gauge

Question ID : 264330160582

Option 1 ID : 264330629661

Option 2 ID : 264330629662

Option 3 ID : 264330629660

Option 4 ID : 264330629659

Status : Answered

Chosen Option : 1

Ans

Q.71 Calculate the hook length of the bar in one side with a diameter of 16 mm.

Ans 1. 100 mm

2. 144 mm

3. 166 mm

4. 120 mm

Question ID : 264330159822

Option 1 ID : 264330626635

Option 2 ID : 264330626636

Option 3 ID : 264330626637

Option 4 ID : 264330626638

Status : Answered

Chosen Option : 2

Q.72 Surfaces painted by _____ shine like radium dials after the source of light has been cut off.

- Ans
- 1. enamel paint
 - 2. plastic paint
 - 3. oil paint
 - 4. emulsion paint

Question ID : 264330160754
Option 1 ID : 264330630350
Option 2 ID : 264330630347
Option 3 ID : 264330630349
Option 4 ID : 264330630348
Status : Not Answered
Chosen Option : ..

Q.73 In the centesimal system of angular measurement, 1 Circumference = _____

- Ans
- 1. 100 grads
 - 2. 400 grads
 - 3. 180 grads
 - 4. 360 grads

Question ID : 264330159315
Option 1 ID : 264330624619
Option 2 ID : 264330624622
Option 3 ID : 264330624620
Option 4 ID : 264330624621
Status : Not Answered
Chosen Option : ..

Q.74 With reference to compression members of steel structures, the slenderness ratio of compression is defined as the _____.

- 1. ratio of the effective length to the actual length of the member
- 2. ratio of the effective length to the area of section of the member
- 3. ratio of the effective length of the member to the appropriate radius of gyration
- 4. ratio of the length of the member to the appropriate radius of gyration

Question ID : 264330162708
Option 1 ID : 264330638151
Option 2 ID : 264330638153
Option 3 ID : 264330638154
Option 4 ID : 264330638152
Status : Answered
Chosen Option : 1

Ans

Q.75 The distance between two points measured during a hot summer by using a 30 m long chain was 2.4 km. At the end of the day's work, it was found that the chain was 2 decimetre longer. Which of the following is the correct option?

- Ans
- 1. The measured distance is 16 cm less than the actual distance.
 - 2. The measured distance is 16 m more than the actual distance.
 - 3. The measured distance is 1.6 cm more than the actual distance.
 - 4. The measured distance is 1600 cm less than the actual distance.

Question ID : 264330167218
Option 1 ID : 264330655870
Option 2 ID : 264330655869
Option 3 ID : 264330655867
Option 4 ID : 264330655868
Status : Answered
Chosen Option : 2

Q.76 A fine grained soil has liquid limit of 55 and plastic limit of 20 as per plasticity chart. According to IS classification, the soil is represented by which of the following letter symbols?

- 1. CL-OL
- 2. CI-ML
- 3. CL-ML
- 4. CH

Question ID : 26433096821
Option 1 ID : 264330380021
Option 2 ID : 264330380024
Option 3 ID : 264330380023
Option 4 ID : 264330380022
Status : Not Answered
Chosen Option : ..

Ans

Q.77 The length of the first sub chord is 10 m and the radius of the curve is 200 m. Find the first tangential angle for setting out a circular curve.

- Ans
- 1. 100°
 - 2. $100'$
 - 3. 85.95°
 - 4. $85.95'$

Question ID : 264330122661
Option 1 ID : 264330480757
Option 2 ID : 264330480758
Option 3 ID : 264330480756
Option 4 ID : 264330480755
Status : Not Answered
Chosen Option : ..

Q.78 The A-line in the unified classification system table is used to determine the plasticity index (I_p) of soil sample on its liquid limit (WL). The equation for the A-line is given as _____.

- Ans
- 1. $I_p = 0.5 (20 - WL)$
 - 2. $I_p = WL - 40$
 - 3. $I_p = 0.73 (40 - WL)$
 - 4. $I_p = 0.73 (WL - 20)$

Question ID : 26433096820
Option 1 ID : 264330380020
Option 2 ID : 264330380017
Option 3 ID : 264330380019
Option 4 ID : 264330380018
Status : Answered
Chosen Option : 4

Q.79 To study the wind pressure effect on a hollow circular chimney, the projected area calculation is given as:

- 1. (Height of chimney) \times (Internal diameter of chimney shaft)
- 2. (Height of chimney) \times (External diameter of chimney shaft)
- 3. (Height of chimney) \times (Mean diameter of chimney shaft)
- 4. $(\frac{1}{2}) \times$ (Height of chimney) \times (Internal diameter of chimney shaft)

Question ID : 264330159397
Option 1 ID : 264330624947
Option 2 ID : 264330624948
Option 3 ID : 264330624949
Option 4 ID : 264330624950
Status : Not Answered
Chosen Option : ...

Ans

Q.80 According to IS 800:2007, steel purlins are primarily designed as _____

- Ans
- 1. tension members
 - 2. flexural members
 - 3. compression members
 - 4. torsional members

Question ID : 264330100834
Option 1 ID : 264330395884
Option 2 ID : 264330395881
Option 3 ID : 264330395883
Option 4 ID : 264330395882
Status : Answered
Chosen Option : 2

Q.81 During the particle board construction by pressing in the parallel plates process, what is the orientation of wood particles with respect to the plane of the board?

- Ans 1. 0°
 2. 90°
 3. 30°
 4. 45°

Question ID : 26433099396
Option 1 ID : 264330390200
Option 2 ID : 264330390198
Option 3 ID : 264330390199
Option 4 ID : 264330390197
Status : Not Answered
Chosen Option : ...

Q.82 Which of the following is NOT a field of application of sulphate-resisting cement?

- Ans 1. Foundation and basement
 2. Sewage treatment works
 3. Dams
 4. Marine structures

Question ID : 264330157686
Option 1 ID : 264330618104
Option 2 ID : 264330618105
Option 3 ID : 264330618106
Option 4 ID : 264330618103
Status : Answered
Chosen Option : 1

Q.83 Consider the following conditions:

1. Concentrated loads are placed near beam supports.
 2. The depth of beam section is small, and the beam is loaded uniformly.
- The design of a beam is governed by shear under which of the following conditions?

1. 1 only
 2. Both 1 and 2
 3. Neither 1 nor 2
 4. 2 only

Question ID : 264330100835
Option 1 ID : 264330395885
Option 2 ID : 264330395887
Option 3 ID : 264330395888
Option 4 ID : 264330395886
Status : Not Answered
Chosen Option : ...

Ans

Following are the observations made on a closed traverse.

Line	Fore Bearing	Back Bearing
AB	10° 20'	190° 20'
BC	155° 30'	336° 30'
CA	290°	112°

The total error is _____.

Q.84

Ans

1. - 1° 0'

2. + 1° 0'

3. + 3° 0'

4. - 3° 0'

Question ID : 264330160600

Option 1 ID : 264330629733

Option 2 ID : 264330629734

Option 3 ID : 264330629732

Option 4 ID : 264330629731

Status : Answered

Chosen Option : 3

Q.85 A pump has to pump water through a pipeline of height of 10 m above the ground at a rate of 0.2 m³/sec. The water in a sump tank is 5 m below the ground level. Neglect head loss due to friction, the pumping power required would be _____ (Consider g = 10 m/s²).

1. 25 KW

2. 33 KW

3. 30 KW

4. 22 KW

Question ID : 26433091153

Option 1 ID : 264330358022

Option 2 ID : 264330358024

Option 3 ID : 264330358021

Option 4 ID : 264330358023

Status : Not Answered

Chosen Option : ..

Ans

Q.86 Which of the following statements is correct with respect to compaction and consolidation? Ans 1.

1. Compaction is valid for cohesive soils, whereas consolidation is applicable for all types of soils.

2. Compaction releases pore water, whereas consolidation releases pore air.

3. Both compaction and consolidation degrade the engineering properties of soil.

4. Both compaction and consolidation improve the engineering properties of soil.

Question ID : 264330160842

Option 1 ID : 264330630700

Option 2 ID : 264330630699

Option 3 ID : 264330630701

Option 4 ID : 264330630702

Status : Answered

Chosen Option : 2

Q.87 A capillary tube of diameter 4 mm is dipped into a liquid of specific gravity 0.6. The liquid rises in the tube by 20 mm, making an angle of contact of 0° with the tube. Determine the surface tension of the liquid in contact with air and the glass tube.

- Ans
- 1. 0.12 N/m
 - 2. 0.5 N/m
 - 3. 1 N/m
 - 4. 0.08 N/m

Question ID : 264330162562
Option 1 ID : 264330637575
Option 2 ID : 264330637577
Option 3 ID : 264330637578
Option 4 ID : 264330637576
Status : Answered
Chosen Option : 1

Q.88 Which of the following types of pumps should be selected in order to pump the sewage from a septic tank to the water treatment system?

- 1. Screw pump
- 2. Progressive cavity pump
- 3. Vertical sump pump
- 4. Submersible pump

Question ID : 264330158972
Option 1 ID : 264330623250
Option 2 ID : 264330623248
Option 3 ID : 264330623247
Option 4 ID : 264330623249
Status : Not Answered
Chosen Option : ...

Ans

Q.89 Select the correct option for the given statements related to the field test of cement.

Statement 1: When you insert your hand in a bag of cement, it should give you a hot feeling.

Statement 2: In adulteration test, take a pinch of cement and feel (rub) between the fingers; it should give a smooth feeling and not a gritty feeling. Ans

- 1. Both statement 1 and statement 2 are true
- 2. Statement 1 is true and statement 2 is false
- 3. Statement 1 is false and statement 2 is true
- 4. Both statement 1 and statement 2 are false

Question ID : 264330157844
Option 1 ID : 264330618735
Option 2 ID : 264330618737
Option 3 ID : 264330618738
Option 4 ID : 264330618736
Status : Answered
Chosen Option : 3

Q.90 Superplasticisers are also called _____.

Ans 1. high-range water reducers

2. accelerators

3. low-range water reducers

4. retardants

Question ID : 264330157699

Option 1 ID : 264330618155

Option 2 ID : 264330618158

Option 3 ID : 264330618156

Option 4 ID : 264330618157

Status : Answered

Chosen Option : 1

Q.91 To increase the seepage flow length, _____ are provided on the cut-off walls of the barrage or weir.

Ans 1. toe walls

2. sheet piles

3. impervious floors

4. inverted filters

Question ID : 264330160573

Option 1 ID : 264330629626

Option 2 ID : 264330629623

Option 3 ID : 264330629625

Option 4 ID : 264330629624

Status : Answered

Chosen Option : 2

Q.92 As per IRC, when designing pedestrian and traffic signals using approximate method for a two-phase system, the minimum initial period with pedestrian signal should NOT be less than:

1. 7 seconds

2. 6 seconds

3. 9 seconds

4. 4 seconds

Question ID : 264330157183

Option 1 ID : 264330616095

Option 2 ID : 264330616098

Option 3 ID : 264330616097

Option 4 ID : 264330616096

Status : Not Answered

Chosen Option : ..

Ans

Q.93 Which of the following includes the cost of hire charges for the vehicle for an 8-hour working period in a day with the cost of the driver?

- Ans
- 1. Miscellaneous
 - 2. Labour cost
 - 3. Loading of the vehicle
 - 4. Cost of owing

Question ID : 264330167539
Option 1 ID : 264330657130
Option 2 ID : 264330657127
Option 3 ID : 264330657129
Option 4 ID : 264330657128
Status : Not Answered
Chosen Option : ..

Q.94 What is the standard atmospheric pressure at sea level?

- Ans
- 1. 1.5 bar
 - 2. 1.3 bar
 - 3. 1013 mmHg
 - 4. 1.013 bar

Question ID : 264330159000
Option 1 ID : 264330623361
Option 2 ID : 264330623362
Option 3 ID : 264330623360
Option 4 ID : 264330623359
Status : Answered
Chosen Option : 4

Q.95 Find the moment of resistance of a balanced singly reinforced beam using the following data.
Grade of concrete : M20
Grade of steel : Fe415
b = width of the beam
d = effective depth of the beam
Use limit state method of design:

- 1. $2.96bd^2$
- 2. $2.66bd^2$
- 3. $2.07bd^2$
- 4. $2.76bd^2$

Question ID : 264330100804
Option 1 ID : 264330395761
Option 2 ID : 264330395763
Option 3 ID : 264330395764
Option 4 ID : 264330395762
Status : Answered
Chosen Option : 4

Ans

Q.96 Pavements which have low or negligible flexural strength are called _____.

- Ans
- 1. rigid pavements
 - 2. cement concrete and gravel roads
 - 3. semi rigid pavements
 - 4. flexible pavements

Question ID : 264330157162
Option 1 ID : 264330616012
Option 2 ID : 264330616013
Option 3 ID : 264330616014
Option 4 ID : 264330616011
Status : Answered
Chosen Option : 1

Q.97 The scrap value of a building is considered _____ of the cost of construction.

- Ans
- 1. 2%
 - 2. 5%
 - 3. 10%
 - 4. 15%

Question ID : 264330159854
Option 1 ID : 264330626765
Option 2 ID : 264330626764
Option 3 ID : 264330626763
Option 4 ID : 264330626766
Status : Answered
Chosen Option : 3

Q.98 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

Assertion: Check dams of low height are constructed across the tributaries of rivers at different stages to arrest the sediments in the catchment area.

Reason: Check dams serve the purpose of detention reservoirs and keep all the sediments in suspension.

- 1. Assertion is true but Reason is false.
- 2. Both Assertion and Reason are true and reason is the correct explanation of assertion.
- 3. Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
- 4. Both Assertion and Reason are false.

Question ID : 264330160572
Option 1 ID : 264330629621
Option 2 ID : 264330629619
Option 3 ID : 264330629620
Option 4 ID : 264330629622
Status : Answered
Chosen Option : 2

Ans

Q.99 Which of the following statements with respect to characteristics of solid waste is correct?

- Ans
- 1. The refuse of a typical Indian city has less garbage percentage (by weight) than that of a city in the USA.
 - 2. The refuse of a typical Indian city has less density than that of a city in the USA.
 - 3. The refuse of a typical Indian city has more rubbish percentage (by weight) than that of a city in the USA.
 - 4. The refuse of a typical Indian city has more garbage percentage (by weight) than that of a city in the USA.

Question ID : 26433099485
Option 1 ID : 264330390553
Option 2 ID : 264330390556
Option 3 ID : 264330390555
Option 4 ID : 264330390554
Status : Answered
Chosen Option : 1

Q.100 Select the correct option for the given statements.

Statement 1: Bamboo can be utilised as a building material for scaffolding, bridges, houses and buildings.

Statement 2: Bamboo, like wood, is a natural composite material with a low strength-to-weight ratio and cannot be useful for structures.

- Ans
- 1. Both statement 1 and statement 2 are true
 - 2. Statement 1 is false and statement 2 is true
 - 3. Statement 1 is true and statement 2 is false
 - 4. Both statement 1 and statement 2 are false

Question ID : 264330157878
Option 1 ID : 264330618871
Option 2 ID : 264330618874
Option 3 ID : 264330618873
Option 4 ID : 264330618872
Status : Answered
Chosen Option : 1