SSC JE

Previous Year Paper

(Civil) Paper-I

11 Oct, 2023 Shift 1

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

Section : General Intelligence and Reasoning

Q.1 Ram departs from his home at 5:00 a.m. and starts running towards the north for 50 km, then turns right and runs again for 50 km. He takes a right turn again and runs for 30 km. Lastly, he turns right and runs for 50 km. How far is he from his home?

Ans ✗ 1. 50 km

✗ 2. 30 km

✗ 3. 40 km

✓ 4. 20 km

Question ID : 26433097220
Option 1 ID : 264330381577
Option 2 ID : 264330381579
Option 3 ID : 264330381578
Option 4 ID : 264330381580
Status : Answered
Chosen Option : 4

Q.2 Seven friends M, N, O, P, Q, R and S, each has scored different marks in the first semester examination. Only two people scored more than Q. P scored more than Q but less than O. M scored more than R but less than S. Only 3 students scored more than S. N scored the least among all. The scores of how many students are between the scores of P and R?

Ans ✗ 1. 2

✗ 2. 4

✗ 3. 1

✓ 4. 3

Question ID : 264330144647
Option 1 ID : 264330566844
Option 2 ID : 264330566846
Option 3 ID : 264330566843
Option 4 ID : 264330566845
Status : Answered
Chosen Option : 4

Q.3 Select the pair that follows the same pattern as that followed by the given two sets of pairs.
Both pairs follow the same pattern.
GIK : TRP
NPR : MKI

Ans ✓ 1. DFH :WUS

✗ 2. VTR : PNL

✗ 3. NPQ :CEG

✗ 4. EGI : UWY

Question ID : 264330130717
Option 1 ID : 264330511979
Option 2 ID : 264330511982
Option 3 ID : 264330511981
Option 4 ID : 264330511980
Status : Answered
Chosen Option : 1

Q.4 In a certain code language, 'WALK' is written as '77' and 'DRIVE' is written as '102'. How will
'SWIM' be written in that language?

Ans ✗ 1. 69

✗ 2. 25

✗ 3. 54

✓ 4. 60

Question ID : 264330144585
Option 1 ID : 264330566596
Option 2 ID : 264330566595
Option 3 ID : 264330566598
Option 4 ID : 264330566597
Status : Not Answered
Chosen Option : --

Q.5 If '+' means '−', '−' means '×', '×' means '÷', '÷' means '+', then what will come in place of the
question mark (?) in the following equation?
114 ÷ 85 × 5− 4 + 33 = ?

Ans ✗ 1. 161

✓ 2. 149

✗ 3. 136

✗ 4. 158

Question ID : 264330126062
Option 1 ID : 264330493923
Option 2 ID : 264330493920
Option 3 ID : 264330493921
Option 4 ID : 264330493922
Status : Answered
Chosen Option : 2

Q.6 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Forty
2. Fortify
3. Forum
4. Forte
5. Fortitude

Ans ✓ 1. 42513

✗ 2. 45231

✗ 3. 35421

✗ 4. 34521

Question ID : 264330132079
Option 1 ID : 264330517414
Option 2 ID : 264330517412
Option 3 ID : 264330517413
Option 4 ID : 264330517411
Status : Answered
Chosen Option : 1

Q.7 Which letter-cluster will replace the question mark (?) to complete the given series?

JPWL, MGAF, PXEZ, ?, VFMN

Ans ✗ 1. RPIT

✗ 2. ROIT

✓ 3. SOIT

✗ 4. SPIT

Question ID : 264330144631
Option 1 ID : 264330566779
Option 2 ID : 264330566781
Option 3 ID : 264330566782
Option 4 ID : 264330566780
Status : Answered
Chosen Option : 3

Q.8 In a certain code language, 'ALMOND' is coded as 4-48-52-60-56-16 and 'SHEEP' is coded as 76-32-20-20-64. How will 'CASHEW' be coded in the same language?

Ans ✗ 1. 30-12-74-24-12-92

✗ 2. 14-4-76-32-20-84

✓ 3. 12-4-76-32-20-92

✗ 4. 12-4-76-32-12-92

Question ID : 264330136377
Option 1 ID : 264330534275
Option 2 ID : 264330534278
Option 3 ID : 264330534276
Option 4 ID : 264330534277
Status : Answered
Chosen Option : 3

Q.9 Which of the following numbers will replace the question mark(?) in the given series? 73, 68, 70, 65, ?, 62, 64

Ans ✔ 1. 67

✘ 2. 69

✘ 3. 63

✘ 4. 71

Question ID : 26433080443
Option 1 ID : 264330315723
Option 2 ID : 264330315721
Option 3 ID : 264330315720
Option 4 ID : 264330315722
Status : Answered
Chosen Option : 1

Q.10 If '+' means '−', '−' means '×', '×' means '÷', '÷ 'means '+', what will come in place of the question mark?
50 - 6 ÷ 8 + 24 × 6 = ?

✘ 1. 604

✔ 2. 304

✘ 3. 104

✘ 4. 404

Question ID : 264330130211
Option 1 ID : 264330509956
Option 2 ID : 264330509958
Option 3 ID : 264330509957
Option 4 ID : 264330509955
Status : Answered
Chosen Option : 2

Ans

Q.11 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)

Clay : Pottery :: Sand : ?

Ans ✔ 1. Glass

✘ 2. Crystals

✘ 3. Paper

✘ 4. Shore

Question ID : 264330144593
Option 1 ID : 264330566627
Option 2 ID : 264330566629
Option 3 ID : 264330566628
Option 4 ID : 264330566630
Status : Answered
Chosen Option : 1

Q.12 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.)
Sweet Potato : Root

Ans ✘ 1. Wheat : Pulse

✔ 2. Pepper : Spice

✘ 3. Milk : Protein

✘ 4. Butter : Milk

Question ID : 264330117397
Option 1 ID : 264330461630
Option 2 ID : 264330461629
Option 3 ID : 264330461631
Option 4 ID : 264330461632
Status : Answered
Chosen Option : 2

Q.13 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:
All birds are cows.
Some cows are dogs.

Conclusions:
I. Some dogs are birds.
II. Some cows are birds.

Ans ✘ 1. Neither conclusion I nor II follows

✔ 2. Only conclusion II follows

✘ 3. Only conclusion I follows

✘ 4. Both conclusions I and II follow

Question ID : 264330144636
Option 1 ID : 264330566802
Option 2 ID : 264330566800
Option 3 ID : 264330566799
Option 4 ID : 264330566801
Status : Answered
Chosen Option : 2

Q.14 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.
1. Grasshopper
2. Whale
3. Beetle
4. Crocodile
5. Frog

Ans ✘ 1. 3, 5, 4, 2, 1

✔ 2. 3, 1, 5, 4, 2

✘ 3. 2, 3, 5, 4, 1

✘ 4. 4, 2, 5, 1, 3

Question ID : 26433074676
Option 1 ID : 264330292793
Option 2 ID : 264330292792
Option 3 ID : 264330292795
Option 4 ID : 264330292794
Status : Answered
Chosen Option : 2

Q.15 In the following statements A, B, C, D and E denotes +, , x , ÷ and =, respectively. Which of the statement is correct?

Ans ✔ 1. 8A6C5D15E14B4

✘ 2. 8A6C3D15E14B4

✘ 3. 8A6C5D15E24B4

✘ 4. 8A6C5D15B14E4

Question ID : 264330129582
Option 1 ID : 264330507697
Option 2 ID : 264330507696
Option 3 ID : 264330507695
Option 4 ID : 264330507694
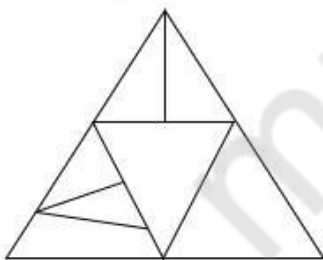Status : Answered
Chosen Option : 1

Q.16 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

M

AJK34V9

N

Ans ✘ 1. 6ᐯ43ᴋⁱᐯ

✘ 2. ℮ᗄ4ƐᴋⅬA

✔ 3. ℮ᐯ4ƐᴋⅬA

✘ 4. 6Ⅼᐯ4Ɛᴋⁱᐯ

Question ID : 26433058087
Option 1 ID : 264330227334
Option 2 ID : 264330227333
Option 3 ID : 264330227335
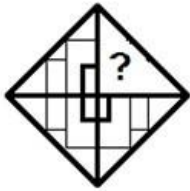Option 4 ID : 264330227332
Status : Answered
Chosen Option : 3

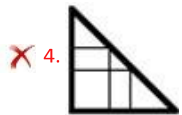How many triangles are there in the given figure?

Q.17

Ans ✘ 1. 7

✘ 2. 9

✘ 3. 8

✔ 4. 10

Question ID : 26433068137
Option 1 ID : 264330267063
Option 2 ID : 264330267061
Option 3 ID : 264330267060
Option 4 ID : 264330267062
Status : Answered
Chosen Option : 4

Q.18 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.19 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Crumble
2. Character
3. Crevice
4. Crunchy
5. Cushion
6. Charlatan

Ans

✗ 1. 6, 2, 3, 4, 1, 5

✗ 2. 2, 6, 1, 3, 4, 5

✔ 3. 2, 6, 3, 1, 4, 5

✗ 4. 6, 3, 2, 1, 4, 5

Q.20 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

GF@?4KS |

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Q.21 In a certain code language, 'MADRAS' is written as '112' and 'JAMMU' is written as '82'. How will 'PUNJAB' be written in that language?

Ans ✔ 1. 104

✘ 2. 115

✘ 3. 109

✘ 4. 112

Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

P

et6ryQpup |

Q

Q.22

Ans

✗ 1. **b u q Ο γι ∂ ɟ ǝ**

✔ 2. **q u q Ο γι ∂ ɟ ǝ**

✗ 3. **q u q Ο γι ∂ ǝ**

✗ 4. **q u q Ο γι ∂ ɟ ǝ**

Q.23 'R + S' means 'R is the mother of S,
'R * S' means 'R is the father of S,
'R — S' means 'R is the husband of S, and
'R $ S' means 'R is the daughter of S.
If E $ F— G + H, how is E related to H?

✗ 1. Son

✔ 2. Sister

✗ 3. Daughter

✗ 4. Sister's daughter

Ans

Q.24 Select the figure from the options that can replace the question mark (?) and complete the pattern.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
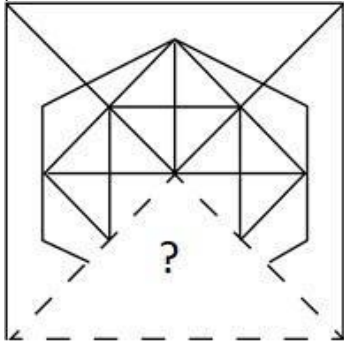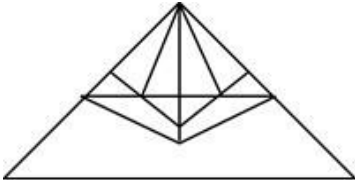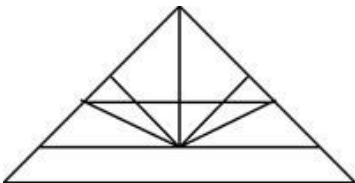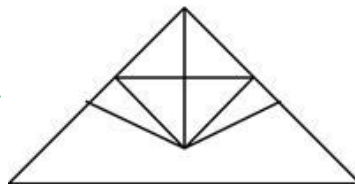
Q.25 Eight people are sitting in two parallel rows containing four people each in such a way that there is equal distance between adjacent persons.
In the first row, A, B, C and D are seated and all of them are facing the south.
In the second row, W, X, Y and Z are seated and all of them are facing the north.
Thus, each person faces another person from the other row.
The person facing Z is sitting third to the left of A. W is sitting second to the left of Z. B is the only neighbour of C and sits at extreme end. D is facing the one who is the immediate neighbour of Y and X.
Who amongst the following faces Z?

Ans   ✔ 1. B

　　 ✘ 2. C

　　 ✘ 3. A

　　 ✘ 4. D

Question ID : 26433080716
Option 1 ID : 264330316800
Option 2 ID : 264330316799
Option 3 ID : 264330316797
Option 4 ID : 264330316798
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.26 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

WARD, WERD, ? , WORD, WURD

Ans   ✘ 1. WLRD

　　 ✘ 2. WKRD

　　 ✔ 3. WIRD

　　 ✘ 4. WJRD

Question ID : 264330144520
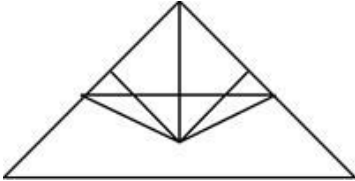Option 1 ID : 264330566338
Option 2 ID : 264330566337
Option 3 ID : 264330566336
Option 4 ID : 264330566335
Status : Answered
Chosen Option : 3

Q.27 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.
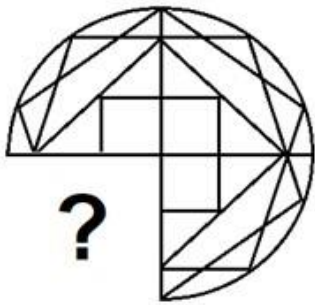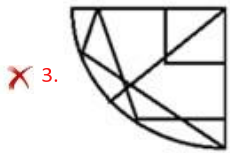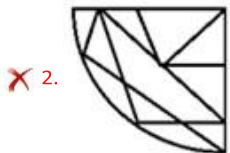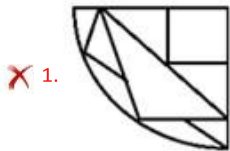
Ans

❌ 1.

❌ 2.

❌ 3.

✔️ 4.

Q.28 Which of the following terms will replace the question mark (?) in the given series? ABDE, FGIJ, KLNO, PQST, ?

Ans ❌ 1. UVWZ

❌ 2. VWXY

✔️ 3. UVXY

❌ 4. VWYX

Q.29 A girl starts from her house and drives 10 km south. Then turns left and drives 20 km. She then takes a left and drives 20 km. Then, turning to her left and she drives 5 km. She takes a final left turn, drives 10 km and stops at her final destination. How far and towards which direction should she drive in order to reach her home?

Ans ✔ 1. 15 km, west

✘ 2. 15 km, north

✘ 3. 15 km, east

✘ 4. 15 km, south

Question ID : 264330130194
Option 1 ID : 264330509887
Option 2 ID : 264330509889
Option 3 ID : 264330509888
Option 4 ID : 264330509890
Status : Answered
Chosen Option : 1

Q.30 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.
26 : 375 :: 41 : 600 :: 53 : ?

✘ 1. 790

✘ 2. 785

✔ 3. 780

✘ 4. 765

Question ID : 26433078882
Option 1 ID : 264330309543
Option 2 ID : 264330309542
Option 3 ID : 264330309541
Option 4 ID : 264330309540
Status : Answered
Chosen Option : 3

Ans

Q.31 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. 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, 5, 25)

(8, 3, 37)

Ans ✘ 1. (2, 6, 45)

✘ 2. (6, 4, 75)

✔ 3. (9, 1, 44)

✘ 4. (8, 7, 32)

Question ID : 264330144445
Option 1 ID : 264330566038
Option 2 ID : 264330566037
Option 3 ID : 264330566036
Option 4 ID : 264330566035
Status : Not Answered
Chosen Option : __

Q.32 Select the number from among the given options that can replace the question mark (?) in the
following series.
2, 3, 6, 18, ?, 1944

Ans   ✗ 1. 118

        ✓ 2. 108

        ✗ 3. 126

        ✗ 4. 112

Question ID : 26433092703
Option 1 ID : 264330364101
Option 2 ID : 264330364103
Option 3 ID : 264330364102
Option 4 ID : 264330364104
Status : Answered
Chosen Option : 2

Q.33 In a certain code language, "KTG" is written as "38" and "MAY" is written as "39". How will "DBC" be
written in that language?

Ans   ✗ 1. 11

        ✗ 2. 12

        ✓ 3. 9

        ✗ 4. 8

Question ID : 264330130327
Option 1 ID : 264330510419
Option 2 ID : 264330510421
Option 3 ID : 264330510420
Option 4 ID : 264330510422
Status : Answered
Chosen Option : 3

Q.34 Select the figure from the options that can replace the question mark (?) and complete the pattern.

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
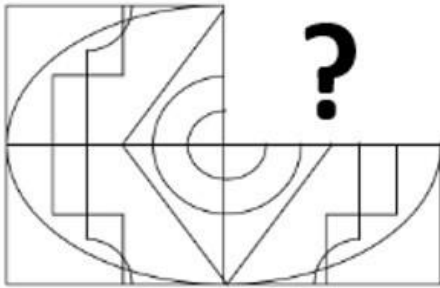
Q.35 If A denotes '+', B denotes '×', C denotes '−', and D denotes '÷', then what will come in place of '?' in the following equation? (81 D 9) B 3 A 3 = 3 B ?

Ans   ✘ 1. 20

✔ 2. 10

✘ 3. 30

✘ 4. 15

Q.36 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.
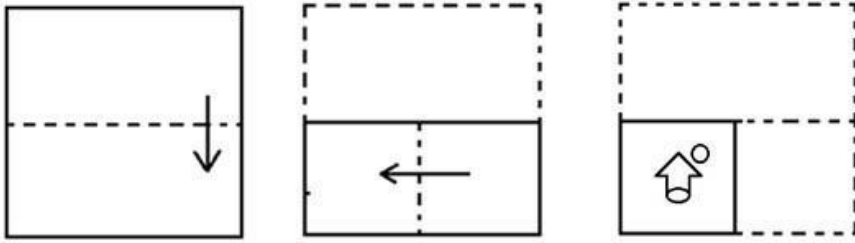
Ans
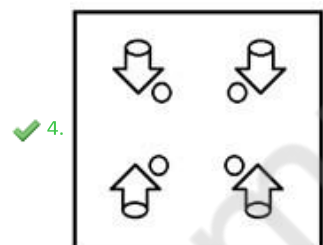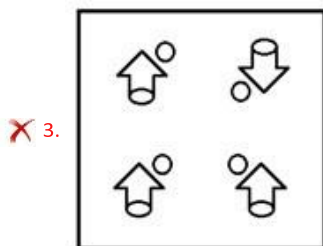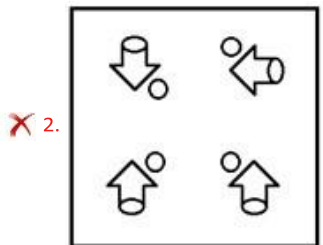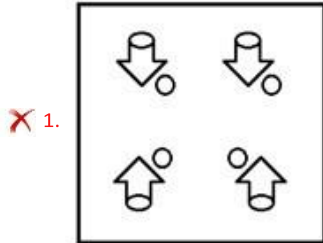
✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.37 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Frighten
2. Filigree
3. Festive
4. Familiar
5. Filibuster
6. Freight

Ans   ✗ 1. 4, 5, 3, 2, 1, 6

      ✔ 2. 4, 3, 5, 2, 6, 1

      ✗ 3. 4, 3, 2, 5, 6, 1

      ✗ 4. 4, 3, 5, 2, 1, 6

Question ID : 264330129468
Option 1 ID : 264330507241
Option 2 ID : 264330507240
Option 3 ID : 264330507239
Option 4 ID : 264330507238
Status : Answered
Chosen Option : 2

Q.38 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOMP, DPOQ, ? , HRSS,

      ✔ 1. FQQR

      ✗ 2. FQRR

      ✗ 3. FQQS

      ✗ 4. FPQR

Question ID : 264330144522
Option 1 ID : 264330566346
Option 2 ID : 264330566344
Option 3 ID : 264330566345
Option 4 ID : 264330566343
Status : Answered
Chosen Option : 1

Ans

Q.39 Select the option that is related to the sixth letter-cluster in the same way as the first lettercluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

JOS : GMR : : YHL : VFK :: ? : PMD

Ans   ✗ 1. TPE

      ✗ 2. SOF

      ✔ 3. SOE

      ✗ 4. TSE

Question ID : 264330144563
Option 1 ID : 264330566508
Option 2 ID : 264330566509
Option 3 ID : 264330566510
Option 4 ID : 264330566507
Status : Answered
Chosen Option : 3

Q.40 एक कॉलेज क वाद- ववाद तयो गता म, छह छा ◌ा - स वता, क वता, न मता, द या, पया और रया को 2 बराबर ट म

म बाट◌ा गया है, जनके बीच तयो गता होनी है। येक ट म म बराबर सद य ह, और दोन ट म दो पं य म एक- सरे

के आमने-सामने बैठ ह। पया कसी भी पं के सरे पर नह बैठ है। क वता, रया के ठ क बगल म बैठ है। द या, रया के

बा ओर सरे ◌ान पर बैठ है। पया के ठ क बगल म बैठ न मता, द या के

वकणतः सामने बैठ है। न न ल खत म से कौन एक- सरे के वकणत: सामने बैठ ह?

Ans ✗ 1. स वता और पया

✗ 2. द या और पया

✗ 3. पया और क वता

✔ 4. रया और स वता

Question ID : 26433085701
Option 1 ID : 264330336505
Option 2 ID : 264330336507
Option 3 ID : 264330336508
Option 4 ID : 264330336506
Status : Not Answered
Chosen Option : --

Q.41 Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statements.

Statements:

No pumpkin is a guava.

No guava is a pea.

Some peas are potatoes.

Conclusions:

(I) Some pumpkins are potatoes.

(II) Some peas are pumpkins.

(III) Some pumpkins are not potatoes.

✔ 1. Either conclusion I or conclusion III follows

✗ 2. Only conclusion I follows

✗ 3. Only conclusion II follows

✗ 4. None of the conclusions follow

Question ID : 264330144542
Option 1 ID : 264330566425
Option 2 ID : 264330566423
Option 3 ID : 264330566424
Option 4 ID : 264330566426
Status : Answered
Chosen Option : 1

Ans

Q.42 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. 12 : 137 :: 8 : ? :: 5 : 18

Ans ✔ 1. 57

✘ 2. 49

✘ 3. 43

✘ 4. 61

Question ID : 264330126046
Option 1 ID : 264330493858
Option 2 ID : 264330493857
Option 3 ID : 264330493856
Option 4 ID : 264330493859
Status : Answered
Chosen Option : 1

Q.43 Which of the following numbers will replace the question mark (?) in the given series?
573, 562, 549, 532, 513, 490, ?,430

✘ 1. 441

✔ 2. 461

✘ 3. 431

✘ 4. 451

Question ID : 26433096014
Option 1 ID : 264330376827
Option 2 ID : 264330376825
Option 3 ID : 264330376828
Option 4 ID : 264330376826
Status : Answered
Chosen Option : 2

Ans

Q.44 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)

Robbers : Gang :: Players : ?

Ans ✘ 1. Group

✘ 2. Field

✔ 3. Team

✘ 4. Game

Question ID : 264330144535
Option 1 ID : 264330566397
Option 2 ID : 264330566398
Option 3 ID : 264330566396
Option 4 ID : 264330566395
Status : Answered
Chosen Option : 3

Q.45 A # B means 'A is the sister of B' A @ B
means 'A is the brother of B'
A & B means 'A is the wife of B'
A % B means 'A is the daughter of B'
If R # P @ Q % Z & X, then how is P related to X?

Ans ✔ 1. Son

✘ 2. Brother

✘ 3. Sister

✘ 4. Father

Question ID : 26433065962
Option 1 ID : 264330258392
Option 2 ID : 264330258395
Option 3 ID : 264330258393
Option 4 ID : 264330258394
Status : Answered
Chosen Option : 1

Q.46

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

Ans

✘ 1.

✔ 2.

✘ 3.

✘ 4.

Question ID : 26433068858
Option 1 ID : 264330269946
Option 2 ID : 264330269945
Option 3 ID : 264330269947
Option 4 ID : 264330269944
Status : Answered
Chosen Option : 2

Q.47 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) Attraction : Repulsion :: Vertical : ?

Ans ✖ 1. Line

✔ 2. Horizontal

✖ 3. Diagonal

✖ 4. Circle

Question ID : 26433076681
Option 1 ID : 264330300788
Option 2 ID : 264330300791
Option 3 ID : 264330300790
Option 4 ID : 264330300789
Status : Answered
Chosen Option : 2

Q.48 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/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)

(9, 162, 6)

(12, 72, 2)

✔ 1. (21, 189, 3)

✖ 2. (13, 126, 14)

✖ 3. (4, 94, 5)

✖ 4. (19, 562, 8)

Question ID : 264330144453
Option 1 ID : 264330566070
Option 2 ID : 264330566068
Option 3 ID : 264330566067
Option 4 ID : 264330566069
Status : Not Answered
Chosen Option : --

Ans

Q.49 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

_ J H H _ H H _ H H J _

Ans ✖ 1. H J H J

✖ 2. H J H H

✔ 3. H J J H

✖ 4. H H J J

Question ID : 264330144615
Option 1 ID : 264330566715
Option 2 ID : 264330566718
Option 3 ID : 264330566717
Option 4 ID : 264330566716
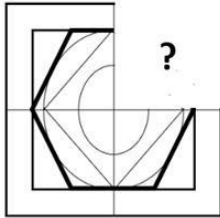Status : Answered
Chosen Option : 3

Q.50 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.

21 : 152 :: 19 : ? :: 11 : 82

Ans

✗ 1. 182

✗ 2. 128

✗ 3. 183

✔ 4. 138

Question ID : **26433078940**
Option 1 ID : **264330309775**
Option 2 ID : **264330309774**
Option 3 ID : **264330309772**
Option 4 ID : **264330309773**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 प्रभा अत्रे का संबंध मुख्यतः किस घराने से है?

Ans

✔ 1. किराना घराना

✗ 2. भिंडी बाजार घराना

✗ 3. आगरा घराना

✗ 4. ग्वालियर घराना

Question ID : **26433074867**
Option 1 ID : **264330293556**
Option 2 ID : **264330293557**
Option 3 ID : **264330293559**
Option 4 ID : **264330293558**
Status : **Marked For Review**
Chosen Option : **4**

Q.2 Under which Amendment Act has the electorate been widened by lowering the age to 18 years?

Ans

✗ 1. 76th

✗ 2. 42nd

✔ 3. 61st

✗ 4. 72nd

Question ID : **26433054890**
Option 1 ID : **264330214544**
Option 2 ID : **264330214547**
Option 3 ID : **264330214546**
Option 4 ID : **264330214545**
Status : **Answered**
Chosen Option : **3**

Q.3 Where was the 44th Chess Olympiad held?

Ans ✅ 1. Chennai

❌ 2. Moscow

❌ 3. London

❌ 4. Bengaluru

Question ID : 264330119252
Option 1 ID : 264330467297
Option 2 ID : 264330467296
Option 3 ID : 264330467295
Option 4 ID : 264330467298
Status : Marked For Review
Chosen Option : 1

Q.4 What does air drainage do in cold climate?

Ans ❌ 1. It keeps dust particles elevated.

✅ 2. It protects plants from frost damages.

❌ 3. It keeps the soil warm.

❌ 4. It filters out better quality air.

Question ID : 264330137312
Option 1 ID : 264330537877
Option 2 ID : 264330537876
Option 3 ID : 264330537875
Option 4 ID : 264330537878
Status : Marked For Review
Chosen Option : 2

Q.5 Which of the following is a mathematical expression of Dalton's partial pressure law?
(Where P = Pressure, T = Temperature, V = Volume, n = number of moles)

Ans ❌ 1. $p_{Total} = p_1 + p_2 + p_3 +$ _____ (at constant T, P)

❌ 2. $p_{Total} = p_1 + p_2 + p_3 +$ _____ (at constant T, n)

❌ 3. $p_{Total} = p_1 + p_2 + p_3 +$ _____ (at constant V, P)

✅ 4. $p_{Total} = p_1 + p_2 + p_3 +$ _____ (at constant T, V)

Question ID : 264330131693
Option 1 ID : 264330515872
Option 2 ID : 264330515873
Option 3 ID : 264330515871
Option 4 ID : 264330515874
Status : Answered
Chosen Option : 4

Q.6 Who decided to go ahead with his plans of invasion of Afghanistan resulting in the First Anglo-Afghan War?

Ans ❌ 1. Lord Ellenborough

❌ 2. Lord Dalhousie

✅ 3. Lord Auckland

❌ 4. Lord Lytton

Question ID : 264330109042
Option 1 ID : 264330428446
Option 2 ID : 264330428448
Option 3 ID : 264330428445
Option 4 ID : 264330428447
Status : Not Answered
Chosen Option : --

Q.7 Which of the following is a non-benzenoid compound?

Ans ✗ 1. Naphthalene

✓ 2. Tropone

✗ 3. Benzene

✗ 4. Aniline

Question ID : 264330131669
Option 1 ID : 264330515778
Option 2 ID : 264330515776
Option 3 ID : 264330515777
Option 4 ID : 264330515775
Status : Answered
Chosen Option : 2

Q.8 Who accidentally discovered the synthesis of ether in 1850, by reacting alcohols with alkyl iodides in the presence of sulphuric acid?

Ans ✗ 1. Leopold Gmelin

✗ 2. Carl Wilhelm Scheele

✗ 3. Jabir Ibn Hayyan

✓ 4. Alexander William Williamson

Question ID : 264330141683
Option 1 ID : 264330555052
Option 2 ID : 264330555054
Option 3 ID : 264330555051
Option 4 ID : 264330555053
Status : Not Answered
Chosen Option : __

Q.9 How many shrines exist in the Panchayatana style of architecture?

Ans ✓ 1. 5

✗ 2. 3

✗ 3. 9

✗ 4. 7

Question ID : 26433072654
Option 1 ID : 264330284877
Option 2 ID : 264330284876
Option 3 ID : 264330284879
Option 4 ID : 264330284878
Status : Not Answered
Chosen Option : __

Q.10 In 1910, who applied the newly developed method of radioactive dating to minerals in the first attempt to quantitatively estimate the age of the Earth?

Ans ✗ 1. Friedrich Mohs

✗ 2. Clair C Patterson

✓ 3. Arthur Holmes

✗ 4. Alfred Wegener

Question ID : 264330141742
Option 1 ID : 264330555287
Option 2 ID : 264330555289
Option 3 ID : 264330555288
Option 4 ID : 264330555290
Status : Not Answered
Chosen Option : __

Q.11 According to the 2011 census, Daman and Diu has the lowest sex ratio among all union territories of India with only _____ females per 1000 males.

Ans ✘ 1. 818

✔ 2. 618

✘ 3. 777

✘ 4. 534

Question ID : 264330111349
Option 1 ID : 264330437481
Option 2 ID : 264330437484
Option 3 ID : 264330437482
Option 4 ID : 264330437483
Status : Answered
Chosen Option : 1

Q.12 As per Amendment of article 51A clause (k) said,"who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of _____ years."

✔ 1. 6 to 14 years

✘ 2. 1 to 15 years

✘ 3. 5 to 15 years

✘ 4. 7 to 18 years

Question ID : 264330118532
Option 1 ID : 264330465531
Option 2 ID : 264330465529
Option 3 ID : 264330465530
Option 4 ID : 264330465532
Status : Answered
Chosen Option : 1

Ans

Q.13 Which of the following measures of money supply is considered least liquid?

Ans ✘ 1. M1

✔ 2. M4

✘ 3. M3

✘ 4. M2

Question ID : 26433092380
Option 1 ID : 264330362809
Option 2 ID : 264330362812
Option 3 ID : 264330362811
Option 4 ID : 264330362810
Status : Not Answered
Chosen Option : __

Q.14 Which of the following is the riverine port in India that has also been a witness to India's struggle for independence, World Wars I and II and socio-cultural changes taking place in the country?

Ans ✗ 1. Jawaharlal Nehru Port

✗ 2. Paradip Port

✗ 3. Mundra Port

✔ 4. Syama Prasad Mookerjee Trust

Question ID : 264330130580
Option 1 ID : 264330511434
Option 2 ID : 264330511433
Option 3 ID : 264330511431
Option 4 ID : 264330511432
Status : Not Answered
Chosen Option : --

Q.15 The weather in India, during winter months, is impacted by the distribution of surface pressure from _____.

Ans ✔ 1. central and western Asia

✗ 2. central and southern Asia

✗ 3. western and eastern Asia

✗ 4. central and northern Asia

Question ID : 264330145259
Option 1 ID : 264330569291
Option 2 ID : 264330569294
Option 3 ID : 264330569293
Option 4 ID : 264330569292
Status : Answered
Chosen Option : 4

Q.16 What is the rate of the heating and cooling of the oceanic water compared to land?

Ans ✔ 1. Slower

✗ 2. Similar

✗ 3. Faster

✗ 4. Moderate

Question ID : 264330113362
Option 1 ID : 264330445534
Option 2 ID : 264330445536
Option 3 ID : 264330445533
Option 4 ID : 264330445535
Status : Answered
Chosen Option : 1

Q.17 _____ built the town of Thanjavur and a temple for goddess Nishumbhasudini there.

Ans ✗ 1. Rajendra I

✗ 2. Virarajendra Chola

✗ 3. Athirajendra Chola

✔ 4. Vijayalaya

Question ID : 26433089137
Option 1 ID : 264330350066
Option 2 ID : 264330350067
Option 3 ID : 264330350068
Option 4 ID : 264330350065
Status : Marked For Review
Chosen Option : 1

Q.18 Who among the following mentioned that 'Collective Responsibility can be achieved only through the instrumentality of the Prime Minister'?

Ans ✔ 1. Dr BR Ambedkar

✘ 2. C Rajagopalachari

✘ 3. Lal Bahadur Shastri

✘ 4. Jawaharlal Nehru

Question ID : 264330120162
Option 1 ID : 264330470903
Option 2 ID : 264330470905
Option 3 ID : 264330470906
Option 4 ID : 264330470904
Status : Not Answered
Chosen Option : --

Q.19 Who among the following was conferred a Lifetime Achievement Honour in the year 2023 by the India-UK Achievers Honours in London for his contribution to economic and political life?

✘ 1. Urjit Patel

✘ 2. Raghuram Rajan

✔ 3. Manmohan Singh

✘ 4. Narendra Modi

Question ID : 264330137294
Option 1 ID : 264330537806
Option 2 ID : 264330537805
Option 3 ID : 264330537804
Option 4 ID : 264330537803
Status : Answered
Chosen Option : 3

Ans

Q.20 Osmosis is a diffusion movement of _____ .

Ans ✘ 1. sugar

✘ 2. air

✘ 3. alloys

✔ 4. water

Question ID : 264330113335
Option 1 ID : 264330445425
Option 2 ID : 264330445427
Option 3 ID : 264330445428
Option 4 ID : 264330445426
Status : Answered
Chosen Option : 2

Q.21 Who among the following was appointed as the new Economic Affairs Secretary in April 2021?

Ans   ✗ 1. Anantha Nageswaran

      ✓ 2. Ajay Seth

      ✗ 3. Chintan Vaishnav

      ✗ 4. Chetan Vaidya

Question ID : 26433092443
Option 1 ID : 264330363064
Option 2 ID : 264330363062
Option 3 ID : 264330363061
Option 4 ID : 264330363063
Status : Answered
Chosen Option : 1

Q.22 Which of the following amendments made the Fundamental Duty of parents to provide education to their children between the age of 6 and 14 years?

      ✗ 1. 85th Amendment Act, 2002

      ✗ 2. 83rd Amendment Act, 2000

      ✓ 3. 86th Amendment Act, 2002

      ✗ 4. 84th Amendment Act, 2001

Question ID : 264330112764
Option 1 ID : 264330443143
Option 2 ID : 264330443141
Option 3 ID : 264330443144
Option 4 ID : 264330443142
Status : Answered
Chosen Option : 3

Ans

Q.23 Which of the following programmes was launched on 15 August 1983 with an objective to provide guarantee of employment to at least one member of the landless households for about 100 days in a year?

Ans   ✗ 1. Training to Rural Youth for Self Employment (TRYSEM)

      ✓ 2. Rural-Landless Employment Guarantee Programme (RLEGP)

      ✗ 3. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)

      ✗ 4. Jawahar Rozgar Yojana (JRY)

Question ID : 264330119826
Option 1 ID : 264330469582
Option 2 ID : 264330469580
Option 3 ID : 264330469579
Option 4 ID : 264330469581
Status : Answered
Chosen Option : 2

Q.24 How many children in total were conferred the Pradhan Mantri Rashtriya Bal Puraskar, 2023 by the President of India, Droupadi Murmu on 23 January 2023?

Ans ✗ 1. 13

✗ 2. 12

✗ 3. 10

✓ 4. 11

Question ID : 264330132577
Option 1 ID : 264330519406
Option 2 ID : 264330519405
Option 3 ID : 264330519403
Option 4 ID : 264330519404
Status : Answered
Chosen Option : 2

Q.25 Which is the most common type of budding yeast, capable of fermenting sugar into carbon dioxide and alcohol and commonly used in baking and brewing?

Ans ✗ 1. Saccharomyces boulardii

✓ 2. Saccharomyces cerevisiae

✗ 3. Schizosaccharomyces pombe

✗ 4. Candida albicans

Question ID : 264330144345
Option 1 ID : 264330565641
Option 2 ID : 264330565642
Option 3 ID : 264330565640
Option 4 ID : 264330565639
Status : Not Answered
Chosen Option : __

Q.26 Which of the following is a capital goods industry?

Ans ✗ 1. Manufacturing of tools

✓ 2. Manufacturing of plants and machineries

✗ 3. Manufacturing of television

✗ 4. Manufacturing of dyes

Question ID : 264330144396
Option 1 ID : 264330565841
Option 2 ID : 264330565839
Option 3 ID : 264330565842
Option 4 ID : 264330565840
Status : Not Attempted and Marked For Review
Chosen Option : __

Q.27 Select the correct combination of Indian classical dance and their respective dancer.

Ans ✗ 1. Kelucharan Mohapatra – Mohiniyattam

✓ 2. Anita Ratnam – Bharatanatyam

✗ 3. Pallavi Krishnan – Manipuri

✗ 4. Sharodi Saikia – Kathakali

Question ID : 264330130518
Option 1 ID : 264330511185
Option 2 ID : 264330511184
Option 3 ID : 264330511186
Option 4 ID : 264330511183
Status : Not Answered
Chosen Option : __

Q.28 Which of the following developed India's first gender-neutral Human Papillomavirus (HPV) vaccine GARDASIL-9, in September 2021?

Ans ✔ 1. MSD Pharmaceuticals Pvt Ltd

✘ 2. Sun Pharmaceutical Industries Limited

✘ 3. Cipla Limited

✘ 4. Cadila Healthcare Limited

Question ID : 26433082799
Option 1 ID : 264330325030
Option 2 ID : 264330325029
Option 3 ID : 264330325031
Option 4 ID : 264330325032
Status : Answered
Chosen Option : 3

Q.29 Match the column-A with column-B.

Column-A (Elements)
a. Hydrogen
b. Helium
c. Beryllium
d. Boron

Column-B (Group in Periodic Table)
i. Group-13
ii. Group-2
iii. Group-1
iv. Group-18

Ans ✘ 1. a-iv, b-iii, c-ii, d-i

✔ 2. a-iii, b-iv, c-ii, d-i

✘ 3. a-i, b-ii, c-iii, d-iv

✘ 4. a-i, b-iii, c-ii, d-iv

Question ID : 264330131784
Option 1 ID : 264330516236
Option 2 ID : 264330516238
Option 3 ID : 264330516237
Option 4 ID : 264330516235
Status : Answered
Chosen Option : 2

Q.30 According to the Census 2011, arrange the following states/union territories on the basis of literacy rates, in ascending order.
A) Mizoram
B) Lakshadweep
C) Kerala

Ans ✘ 1. (B), (A), (C)

✘ 2. (A), (C), (B)

✘ 3. (C), (B), (A)

✔ 4. (A), (B), (C)

Question ID : 264330157095
Option 1 ID : 264330615751
Option 2 ID : 264330615752
Option 3 ID : 264330615754
Option 4 ID : 264330615753
Status : Answered
Chosen Option : 3

Q.31 When replying to or forwarding an email, what should you check before sending to ensure accuracy?

Ans ✖ 1. The email font style

✖ 2. The email sender's name

✖ 3. The email attachment

✔ 4. The email subject line

Question ID : 264330168576
Option 1 ID : 264330661118
Option 2 ID : 264330661116
Option 3 ID : 264330661117
Option 4 ID : 264330661115
Status : Answered
Chosen Option : 1

Q.32 Prior to the 1991 Census of India, the concept of literacy was defined as essentially illiterate children below the age of _____ years.

Ans ✖ 1. 6

✔ 2. 5

✖ 3. 7

✖ 4. 8

Question ID : 264330117812
Option 1 ID : 264330463066
Option 2 ID : 264330463064
Option 3 ID : 264330463065
Option 4 ID : 264330463063
Status : Not Answered
Chosen Option : --

Q.33 Select the INCORRECT statement about HDL.

Ans ✖ 1. It absorbs cholesterol in the blood and carries it back to the liver.

✖ 2. It is considered as good cholesterol.

✔ 3. High levels of HDL cholesterol raise the risk for heart diseases and stroke.

✖ 4. 'HDL' stands for High-Density Lipoprotein.

Question ID : 264330112839
Option 1 ID : 264330443444
Option 2 ID : 264330443442
Option 3 ID : 264330443443
Option 4 ID : 264330443441
Status : Marked For Review
Chosen Option : 4

Q.34 The parliamentary elections, Presidential and Vice Presidential elections and the office of the Election Commission come under which list of the Constitution of India?

Ans ✖ 1. Residual List

✖ 2. Concurrent list

✔ 3. Union list

✖ 4. State list

Question ID : 264330130487
Option 1 ID : 264330511062
Option 2 ID : 264330511061
Option 3 ID : 264330511060
Option 4 ID : 264330511059
Status : Answered
Chosen Option : 3

Q.35 In November 2022, who among the following was appointed as the brand ambassador of Uttarakhand government?

Ans ✗ 1. Jubin Nautiyal

✗ 2. Abhinav Bindra

✔ 3. Prasoon Joshi

✗ 4. Rishabh Pant

Question ID : 264330156993
Option 1 ID : 264330615349
Option 2 ID : 264330615350
Option 3 ID : 264330615348
Option 4 ID : 264330615347
Status : Answered
Chosen Option : 4

Q.36 Which of the following Magadha Emperors annexed Anga into his Empire?

Ans ✗ 1. Ajatashatru

✔ 2. Bimbisara

✗ 3. Udayin

✗ 4. Mahapadma Nanda

Question ID : 264330112127
Option 1 ID : 264330440594
Option 2 ID : 264330440593
Option 3 ID : 264330440595
Option 4 ID : 264330440596
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.37 What does the 'Print Range' option allow you to specify when printing slides in PowerPoint?

Ans ✗ 1. The order of the slides to be printed

✗ 2. The orientation of the slides to be printed

✗ 3. The number of copies to be printed

✔ 4. The range of slides to be printed

Question ID : 264330168591
Option 1 ID : 264330661176
Option 2 ID : 264330661178
Option 3 ID : 264330661175
Option 4 ID : 264330661177
Status : Answered
Chosen Option : 4

Q.38 Perennial snow is a characteristic of the cold climate group which is denoted as _____ letter code according to the Köppen classification of climate types.

Ans ✔ 1. EF

✗ 2. Aw

✗ 3. BSk

✗ 4. Cfb

Question ID : 264330113496
Option 1 ID : 264330446069
Option 2 ID : 264330446072
Option 3 ID : 264330446070
Option 4 ID : 264330446071
Status : Answered
Chosen Option : 2

Q.39 Which of the following crops is an example of a Rabi crop?

Ans ✗ 1. Maize

✗ 2. Rice

✗ 3. Groundnut

✓ 4. Mustard

Question ID : 264330116451
Option 1 ID : 264330457892
Option 2 ID : 264330457890
Option 3 ID : 264330457889
Option 4 ID : 264330457891
Status : Answered
Chosen Option : 1

Q.40 The Abhinandan Saroja National Award 2021 was conferred on which of the following dancers?

Ans ✗ 1. Yamini Reddy

✓ 2. Aparna Satheesan

✗ 3. Rama Vaidyanathan

✗ 4. Surupa Ganguly

Question ID : 26433071506
Option 1 ID : 264330280451
Option 2 ID : 264330280449
Option 3 ID : 264330280448
Option 4 ID : 264330280450
Status : Not Answered
Chosen Option : --

Q.41 Which of the following is a dynamic function of money?

Ans ✗ 1. Measure of value

✗ 2. Standard of deferred payments

✓ 3. Basis of credit and liquidity

✗ 4. Medium of exchange

Question ID : 264330144407
Option 1 ID : 264330565885
Option 2 ID : 264330565886
Option 3 ID : 264330565883
Option 4 ID : 264330565884
Status : Answered
Chosen Option : 1

Q.42 The 7th Commonwealth youth games will be held in:

Ans ✗ 1. 2026

✓ 2. 2023

✗ 3. 2028

✗ 4. 2022

Question ID : 264330109712
Option 1 ID : 264330431127
Option 2 ID : 264330431126
Option 3 ID : 264330431128
Option 4 ID : 264330431125
Status : Answered
Chosen Option : 1

Match the animals with the forests in which they are found.

Forests	Animals
1. Montane forests	a. Camel
2. Thorn forest and scrubs	b. Yak
3. Mangrove Forests	c. Crocodile

Q.43

Ans ✔ 1. 1-b, 2-a, 3-c

✘ 2. 1-c, 2-a, 3-b

✘ 3. 1-a, 2-b, 3-c

✘ 4. 1-b, 2-c, 3-a

Q.44 Which of the following is a genetically modified plant?

✔ 1. Bt cotton

✘ 2. Native potato

✘ 3. Sugarcane

✘ 4. Wild banana

Ans

Q.45 As per Finance Bill 2023 receipts arising from life insurance policies issued on or after 1 April 2023 shall be considered as income from other sources if the premium paid exceeds _____ each year.

Ans ✘ 1. ₹2,50,000

✘ 2. ₹10,00,000

✘ 3. ₹15,00,000

✔ 4. ₹5,00,000

Q.46 The interspecies interaction that has a favourable influence on the participating species' per capita reproduction and/or survivability is called:

Ans ✔ 1. mutualism

✘ 2. symbiosis

✘ 3. adaptation

✘ 4. parasitism

Question ID : 264330109930
Option 1 ID : 264330431998
Option 2 ID : 264330431999
Option 3 ID : 264330432000
Option 4 ID : 264330431997
Status : Not Answered
Chosen Option : __

Q.47 Match the following columns.

Colum-A (Enzyme)
i. Ptyalin
ii. Pepsin
iii. Alkaline phosphatase
iv. Maltase

Column-B (Secreted from)
a. Small intestine
b. Salivary glands
c. Stomach
d. Liver

Ans ✘ 1. i-a, ii-b, iii-c, iv-d

✔ 2. i-b, ii-c, iii-d, iv-a

✘ 3. i-a, ii-c, iii-b, iv-d

✘ 4. i-d, ii-c, iii-b, iv-a

Question ID : 264330119748
Option 1 ID : 264330469267
Option 2 ID : 264330469269
Option 3 ID : 264330469268
Option 4 ID : 264330469270
Status : Answered
Chosen Option : 2

Q.48 The centralisation of the administration of India took place under which Act?

Ans ✘ 1. Charter Act of 1853

✘ 2. Charter Act of 1813

✘ 3. Charter Act of 1793

✔ 4. Charter Act of 1833

Question ID : 264330112158
Option 1 ID : 264330440720
Option 2 ID : 264330440718
Option 3 ID : 264330440717
Option 4 ID : 264330440719
Status : Not Answered
Chosen Option : __

Q.49 Kongampattu AV Murugaiyan, was conferred the Padma Shri Award in 2022 for his
relentless pursuit in playing the:

Ans ✘ 1. kinnera

✘ 2. violin

✘ 3. bulbultara

✔ 4. thavil

Question ID : 26433064637
Option 1 ID : 264330253140
Option 2 ID : 264330253142
Option 3 ID : 264330253143
Option 4 ID : 264330253141
Status : Answered
Chosen Option : 4

Q.50 Syyed Ahmed Barelvi was the founder of which Muslim Reform Movement?

Ans ✘ 1. Ahmediya movement

✘ 2. Aligarh movement

✘ 3. Deoband movement

✔ 4. Wahabi movement

Question ID : 264330109059
Option 1 ID : 264330428516
Option 2 ID : 264330428513
Option 3 ID : 264330428515
Option 4 ID : 264330428514
Status : Answered
Chosen Option : 1

Section : General Engineering Civil and Structural

Q.1 Punching shear may occur in loose sand with density less than _____.

Ans ✘ 1. 65%

✘ 2. 45%

✔ 3. 35%

✘ 4. 55%

Question ID : 26433096809
Option 1 ID : 264330379973
Option 2 ID : 264330379975
Option 3 ID : 264330379976
Option 4 ID : 264330379974
Status : Marked For Review
Chosen Option : 3

Q.2 Proper experimental knowledge about the porosity and water absorption capacity of a
coarse aggregate is required as its affects the durability of concrete because of:
I. Freezing and thawing
II. Reaction with chemically reactive fluids
III. Increasing the workability of concrete

Ans ✔ 1. (i), (ii), and (iii)

✗ 2. Both (i) and (ii)

✗ 3. Only (ii)

✗ 4. Only (i)

Question ID : 264330100157
Option 1 ID : 264330393204
Option 2 ID : 264330393203
Option 3 ID : 264330393202
Option 4 ID : 264330393201
Status : Answered
Chosen Option : 1

Q.3 If the pipes are connected in parallel, the total loss of head is:

Ans ✗ 1. equal to the sum of the squares of head losses in each pipe

✗ 2. equal to the reciprocal of the sum of head losses in each pipe

✗ 3. equal to the sum of head losses in each pipe

✔ 4. the same in each pipe

Question ID : 264330158938
Option 1 ID : 264330623113
Option 2 ID : 264330623114
Option 3 ID : 264330623111
Option 4 ID : 264330623112
Status : Answered
Chosen Option : 4

Q.4 As per Indian Standard code (IS-456), what should be the minimum clear cover provided
during the design of a water tank during moderate exposure conditions?

Ans ✗ 1. 75 mm

✗ 2. 10 mm

✗ 3. 45 mm

✔ 4. 30 mm

Question ID : 26433099387
Option 1 ID : 264330390162
Option 2 ID : 264330390163
Option 3 ID : 264330390161
Option 4 ID : 264330390164
Status : Answered
Chosen Option : 4

Q.5 Which of the following terms describes the location, type, mark, length and bending details of each bar in a structure's reinforcing drawing?

Ans ✔ 1. Bar bending schedule

✘ 2. Material statement

✘ 3. Sundries

✘ 4. Work charged establishment

Question ID : 264330159821
Option 1 ID : 264330626633
Option 2 ID : 264330626634
Option 3 ID : 264330626632
Option 4 ID : 264330626631
Status : Answered
Chosen Option : 1

Q.6 Which term indicates the stages in which the total predetermined cost of construction of the project is to be spread over?

Ans ✘ 1. Financial planning

✔ 2. Cost planning

✘ 3. Cost determination

✘ 4. Budget planning

Question ID : 26433099306
Option 1 ID : 264330389838
Option 2 ID : 264330389837
Option 3 ID : 264330389840
Option 4 ID : 264330389839
Status : Answered
Chosen Option : 2

Q.7 A BG track is laid with a sleeper density of N+3. The width of the sleeper is 20.25 cm. Find the minimum depth of the ballast cushion.

Ans ✘ 1. 61 cm

✔ 2. 30.5 cm

✘ 3. 20.375 cm

✘ 4. 10.125 cm

Question ID : 264330100769
Option 1 ID : 264330395624
Option 2 ID : 264330395622
Option 3 ID : 264330395623
Option 4 ID : 264330395621
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.8 The least count of a theodolite is _____.

Ans ✗ 1. 1 minute

✓ 2. 1 second

✗ 3. 1 millisecond

✗ 4. 1 hour

Question ID : 264330160584
Option 1 ID : 264330629668
Option 2 ID : 264330629667
Option 3 ID : 264330629669
Option 4 ID : 264330629670
Status : Marked For Review
Chosen Option : 2

Q.9 Which of the following scales may NOT give accurate measurements of a plan drawn on a paper, due to shrinkage after few years?

Ans ✗ 1. Engineer's scale and graphical scale

✓ 2. Engineer's scale and representative fraction

✗ 3. Graphical scale

✗ 4. Representative fraction and graphical scale

Question ID : 264330160591
Option 1 ID : 264330629698
Option 2 ID : 264330629696
Option 3 ID : 264330629695
Option 4 ID : 264330629697
Status : Answered
Chosen Option : 2

Q.10 A current meter is a device used for measuring the:

Ans ✓ 1. velocity of the flow of the fluid

✗ 2. pressure of the fluid

✗ 3. surface tension of the fluid

✗ 4. viscosity of the fluid

Question ID : 264330158930
Option 1 ID : 264330623081
Option 2 ID : 264330623079
Option 3 ID : 264330623082
Option 4 ID : 264330623080
Status : Answered
Chosen Option : 1

Q.11 An RCC beam of width 250 mm and effective depth 450 mm is subjected to a nominal shear stress of 1.25 N/mm^2 . What is the value of shear force due to design load coming on the section?

Ans ✗ 1. 1.40625 kN

✗ 2. 1406.25 kN

✓ 3. 140.625 kN

✗ 4. 14.0625 kN

Question ID : 264330100823
Option 1 ID : 264330395840
Option 2 ID : 264330395839
Option 3 ID : 264330395837
Option 4 ID : 264330395838
Status : Answered
Chosen Option : 1

Q.12 As per IS 456, the stripping time of the soffit formwork to slabs (props to be refixed immediately after removal of formwork) is _____.

Ans ✗ 1. 1 day

✗ 2. 2 days

✔ 3. 3 days

✗ 4. 28 hours

Question ID : 264330157705
Option 1 ID : 264330618179
Option 2 ID : 264330618180
Option 3 ID : 264330618181
Option 4 ID : 264330618182
Status : Answered
Chosen Option : 3

Q.13 Which of the following accelerating admixtures is harmful for reinforced concrete and pre-stressed concrete?

✗ 1. Silicates

✗ 2. Fluorosilicates

✔ 3. Calcium chloride

✗ 4. Carbonates

Question ID : 264330157696
Option 1 ID : 264330618145
Option 2 ID : 264330618146
Option 3 ID : 264330618143
Option 4 ID : 264330618144
Status : Marked For Review
Chosen Option : 2

Ans

Q.14 Which of the following is NOT a property of coir fibres?

Ans ✗ 1. Ease to carry

✗ 2. Elasticity

✔ 3. Resistance to dynamic loading

✗ 4. Long service span

Question ID : 26433099401
Option 1 ID : 264330390218
Option 2 ID : 264330390217
Option 3 ID : 264330390219
Option 4 ID : 264330390220
Status : Answered
Chosen Option : 1

Q.15 When the precipitation of a storm reaches the ground, it must fill up a basin, which is lower than its surroundings, before it can flow over the surface. The volume of water trapped in the basin, which is lower than its surroundings, is called _____.

Ans ✔ 1. depression storage

✖ 2. basin storage

✖ 3. dead storage

✖ 4. sub-surface storage

Question ID : 264330160578
Option 1 ID : 264330629645
Option 2 ID : 264330629643
Option 3 ID : 264330629644
Option 4 ID : 264330629646
Status : Answered
Chosen Option : 3

Q.16 Hollow pre-cast concrete blocks possess good thermal insulation because of the:

✖ 1. outside air near the block

✖ 2. seepage resistance

✖ 3. resistance to efflorescence

✔ 4. air entrapped within the block

Question ID : 26433099393
Option 1 ID : 264330390186
Option 2 ID : 264330390187
Option 3 ID : 264330390188
Option 4 ID : 264330390185
Status : Answered
Chosen Option : 4

Ans

Q.17 Select the correct option for the given statements.
Statement 1: Direction of the movement of a storm over the catchment area has a definite effect on the runoff.
Statement 2: If the storm moves against the flow direction, then the base period will be comparatively more and less peak flow may be expected.

Ans ✖ 1. Statement 1 is true and statement 2 is false

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

✖ 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 : 26433099448
Option 1 ID : 264330390407
Option 2 ID : 264330390405
Option 3 ID : 264330390408
Option 4 ID : 264330390406
Status : Marked For Review
Chosen Option : 2

Q.18 A trapezoidal canal carries a discharge of 40 cumec and has the permissible mean velocity of 0.95 m/s. The bed width of the canal is _____. Take the side slope of the canal as 1 : 1 and the width/depth ratio as 6.5.

Ans   ✗ 1. 17.40 m

✓ 2. 15.40 m

✗ 3. 14.50 m

✗ 4. 16.40 m

Question ID : 264330158570
Option 1 ID : 264330621642
Option 2 ID : 264330621640
Option 3 ID : 264330621641
Option 4 ID : 264330621639
Status : Not Answered
Chosen Option : __

Q.19 Which of the following types of soil have excellent workability as a construction material?

✗ 1. Silty gravel

✗ 2. Clayey sand

✓ 3. Well graded gravel

✗ 4. Silty sand

Question ID : 26433099685
Option 1 ID : 264330391339
Option 2 ID : 264330391340
Option 3 ID : 264330391337
Option 4 ID : 264330391338
Status : Answered
Chosen Option : 2

Ans

Q.20 Which of the following test apparatus is used to determine initial setting time and final setting time?

Ans   ✓ 1. Vicat's apparatus

✗ 2. Air permeability test

✗ 3. Soundness test

✗ 4. Sieve test

Question ID : 264330157846
Option 1 ID : 264330618745
Option 2 ID : 264330618744
Option 3 ID : 264330618746
Option 4 ID : 264330618743
Status : Answered
Chosen Option : 1

Q.21 The C$_d$ value of an orifice of d/D = 0.5 (d = diameter of orifice and D = diameter of the pipe) lies in the range _____.

Ans ✗ 1. 0.95 to 0.98

✓ 2. 0.60 to 0.62

✗ 3. 0.81 to 0.94

✗ 4. 0.70 to 0.80

Question ID : 26433091048
Option 1 ID : 264330357601
Option 2 ID : 264330357603
Option 3 ID : 264330357604
Option 4 ID : 264330357602
Status : Not Answered
Chosen Option : --

Q.22 As a precaution in cold weather concreting, cement containing _____ should be selected.

Ans ✗ 1. lower C3S and higher C2S

✓ 2. higher C3S and lower C2S

✗ 3. lower C3S and lower C2S

✗ 4. higher C3S and higher C2S

Question ID : 264330157701
Option 1 ID : 264330618165
Option 2 ID : 264330618163
Option 3 ID : 264330618166
Option 4 ID : 264330618164
Status : Answered
Chosen Option : 2

Q.23 Determine the total pressure on a circular plate of diameter 2 m, which is placed vertically in water in such a way that the Centre of the plate is 2.5 m below the free surface of the water.

Ans ✗ 1. 70058 N

✗ 2. 72058 N

✗ 3. 71058 N

✓ 4. 77048 N

Question ID : 26433091144
Option 1 ID : 264330357985
Option 2 ID : 264330357988
Option 3 ID : 264330357987
Option 4 ID : 264330357986
Status : Answered
Chosen Option : 4

Q.24 A simple U-tube manometer connected to a pipe in which liquid is flowing with a uniform speed will give _____.

Ans ✗ 1. vacuum pressure

✗ 2. absolute pressure

✓ 3. gauge pressure

✗ 4. atmospheric pressure

Question ID : 264330158992
Option 1 ID : 264330623329
Option 2 ID : 264330623328
Option 3 ID : 264330623330
Option 4 ID : 264330623327
Status : Answered
Chosen Option : 3

Q.25 In the design of T beam , If $M_u > M_{u,lim}$ then the section is designed as a_____,

Where

M_u = Ultimate flexural strength of beam

$M_{u,lim}$ = limiting moment of resistance of a beam Ans

✘ 1. Singly reinforced section

✘ 2. Over reinforced section

✔ 3. Doubly reinforced section

✘ 4. under reinforced section

Question ID : 26433099430
Option 1 ID : 264330390333
Option 2 ID : 264330390335
Option 3 ID : 264330390334
Option 4 ID : 264330390336
Status : Answered
Chosen Option : 3

Q.26 Which of the following materials is a sustainable and green building material that can be used in construction?

✘ 1. Mortar

✘ 2. Brick

✘ 3. Concrete

✔ 4. Bamboo

Question ID : 264330157861
Option 1 ID : 264330618806
Option 2 ID : 264330618803
Option 3 ID : 264330618804
Option 4 ID : 264330618805
Status : Answered
Chosen Option : 4

Ans

Q.27 Based on the slenderness ratio, a steel column is found to be an intermediate column. The failure of such a column is visible as:

Ans ✘ 1. The steel column will not fail but remain unstable.

✘ 2. only buckling

✘ 3. only crushing

✔ 4. a mixed mode of buckling and crushing

Question ID : 264330162711
Option 1 ID : 264330638166
Option 2 ID : 264330638165
Option 3 ID : 264330638164
Option 4 ID : 264330638163
Status : Answered
Chosen Option : 4

Q.28 In expansion joints, the loads are transferred through:

Ans ✗ 1. aggregates

✗ 2. tie bars

✗ 3. longitudinal bars

✔ 4. dowel bars

Question ID : 26433086536
Option 1 ID : 264330339788
Option 2 ID : 264330339785
Option 3 ID : 264330339786
Option 4 ID : 264330339787
Status : Answered
Chosen Option : 4

Q.29 As per IS 456:2000, which of the statement regarding longitudinal reinforcement in the RCC column is INCORRECT?

✗ 1. Minimum 4 longitudinal bars is to be provided in a rectangular column.

✗ 2. Minimum 6 longitudinal bars is to be provided in a circular column.

✗ 3. Minimum diameter of longitudinal bars shall not be less than 12 mm.

✔ 4. Minimum 8 longitudinal bars is to be provided in a column having helical reinforcement within the helical region.

Question ID : 264330159644
Option 1 ID : 264330625935
Option 2 ID : 264330625936
Option 3 ID : 264330625938
Option 4 ID : 264330625937
Status : Answered
Chosen Option : 4

Ans

Q.30 Register of arrears of wages due to work people is recorded in _____ Ans

✗ 1. part III of the wage record

✗ 2. part III of the muster roll

✔ 3. part II of the muster roll

✗ 4. part II of the wage record

Question ID : 26433099365
Option 1 ID : 264330390076
Option 2 ID : 264330390074
Option 3 ID : 264330390073
Option 4 ID : 264330390075
Status : Not Answered
Chosen Option : __

Q.31 If the actual velocity of jet at the vena contracta in an orifice meter is 'V', the depth of the centre of orifice below the free surface is 'h' and 'g' is the gravitational acceleration, then the coefficient of velocity 'C$_v$' is:

Ans
✔ 1. $V / (2gh)^{1/2}$

✘ 2. $4V / (2gh)^{3/2}$

✘ 3. $2gh / (V)^{1/2}$

✘ 4. $2Vgh / 300$

Question ID : 264330158932
Option 1 ID : 264330623087
Option 2 ID : 264330623090
Option 3 ID : 264330623088
Option 4 ID : 264330623089
Status : Answered
Chosen Option : 1

Q.32 For field compaction of soil, in cohesive soil the combination of tamping action and kneading action on soil is achieved by:

✘ 1. frog rammers

✘ 2. pneumatic–tyred rollers

✔ 3. sheep foot rollers

✘ 4. vibroflotation

Question ID : 264330160343
Option 1 ID : 264330628714
Option 2 ID : 264330628712
Option 3 ID : 264330628711
Option 4 ID : 264330628713
Status : Answered
Chosen Option : 3

Ans

Q.33 A tacheometer was set at a station and the readings were taken on two points, which were 100 m and 150 m apart and had staff intercepts of 3.98 m and 5.98 m, respectively. If an externally focusing tacheometer was used for the observation, then the values of focal length (f), stadia interval (i) and distance (d) between the objective and the vertical axis of the instrument could be _____.

Ans
✘ 1. f = 0.2 m, i = 12 mm, d = 30 cm

✘ 2. f = 0.3 m, i = 0.12 mm, d = 20 cm

✘ 3. f = 0.3 m, i = 1.2 mm, d = 20 cm

✔ 4. f = 0.3 m, i = 12 mm, d = 20 cm

Question ID : 264330160623
Option 1 ID : 264330629824
Option 2 ID : 264330629825
Option 3 ID : 264330629826
Option 4 ID : 264330629823
Status : Not Answered
Chosen Option : --

Q.34 Rankine theory considers the stress in a soil mass when it reaches in the state of _____.

Ans   ✗ 1. local state of equilibrium

    ✗ 2. limited equilibrium

    ✗ 3. general state of equilibrium

    ✔ 4. plastic equilibrium

Question ID : 26433096891
Option 1 ID : 264330380302
Option 2 ID : 264330380303
Option 3 ID : 264330380301
Option 4 ID : 264330380304
Status : Answered
Chosen Option : 4

Q.35 A magnetic compass can be used to measure _____.

Ans   ✗ 1. magnetic bearing only

    ✗ 2. magnetic meridian, magnetic bearing and arbitrary bearing

    ✔ 3. both magnetic meridian and magnetic bearing

    ✗ 4. magnetic meridian only

Question ID : 264330160595
Option 1 ID : 264330629712
Option 2 ID : 264330629714
Option 3 ID : 264330629713
Option 4 ID : 264330629711
Status : Answered
Chosen Option : 3

Q.36 Consider the following statements with respect to long wall-short wall method. Which of the following statement is/are correct?
I. The wall that is takenfirst is treated as the length, though the length may be lesser.
II. The wall with longer length has to be taken as the long wall.

    ✗ 1. Both statements I and II are true

    ✗ 2. Both statements I and II are false

    ✗ 3. Only statement II is true

    ✔ 4. Only statement I is true

Question ID : 26433099337
Option 1 ID : 264330389963
Option 2 ID : 264330389964
Option 3 ID : 264330389962
Option 4 ID : 264330389961
Status : Marked For Review
Chosen Option : 3

Ans

Q.37 The air vessel in a reciprocating pump is:

Ans ✗ 1. fitted outside the system

✗ 2. fitted ahead of the pump

✓ 3. fitted in the delivery pipe

✗ 4. not fitted

Question ID : 264330158980
Option 1 ID : 264330623281
Option 2 ID : 264330623280
Option 3 ID : 264330623279
Option 4 ID : 264330623282
Status : Answered
Chosen Option : 3

Q.38 Formation of _____ type(s) of rocks involves biological activity in addition to complex mechanical or chemical processes.

Ans ✗ 1. sedimentary and metamorphic

✗ 2. metamorphic

✗ 3. igneous

✓ 4. sedimentary

Question ID : 264330159311
Option 1 ID : 264330624606
Option 2 ID : 264330624605
Option 3 ID : 264330624603
Option 4 ID : 264330624604
Status : Answered
Chosen Option : 3

Q.39 Which of the following statements is INCORRECT?

Ans ✓ 1. Incomplete combustion of carbonaceous fuels releases carbon dioxide as the major pollutant.

✗ 2. Municipal drainage systems emit H_2S gas.

✗ 3. Thermal power houses are the main contributors to SO_2 emissions.

✗ 4. Welding operations may release nitrogen oxide.

Question ID : 264330160687
Option 1 ID : 264330630082
Option 2 ID : 264330630081
Option 3 ID : 264330630079
Option 4 ID : 264330630080
Status : Answered
Chosen Option : 1

Q.40 The distance travelled by an electromagnetic wave in one second is called _____.

Ans ✗ 1. period

✗ 2. frequency

✓ 3. wave velocity

✗ 4. wave length

Question ID : 264330159297
Option 1 ID : 264330624549
Option 2 ID : 264330624548
Option 3 ID : 264330624550
Option 4 ID : 264330624547
Status : Answered
Chosen Option : 4

Q.41 The maximum shear stress (in N/mm^2) in a reinforced concrete beam of M-25 grade as per IS 456-2000 is given as:

Ans ✗ 1. 3.4

✗ 2. 3.5

✗ 3. 2.8

✔ 4. 3.1

Q.42 For a railway track, the width of the formation depends upon which of the following?
i. Type of sleepers
ii. Type of ballast
iii. Type of gauge
iv. Number of tracks, i.e. single or double track

✗ 1. Both i and ii

✗ 2. Both i and iv

✗ 3. Both ii and iii

✔ 4. Both iii and iv

Ans

Q.43 As per IS 456-2000, the flexural strength of a rectangular section of a singly reinforced RCC beam does

NOT depend on which of the given options? Ans ✗ 1. Grade of concrete

✗ 2. Depth of beam

✗ 3. Grade of steel

✔ 4. Temperature

Q.44 Arrange the following steps for painting of surfaces in a sequential manner.
1. First coat
2. Final coat
3. Prime coat
4. Surface preparation

Ans ✗ 1. 4, 1, 3, 2

✓ 2. 4, 3, 1, 2

✗ 3. 3, 1, 2, 4

✗ 4. 3, 2, 1, 4

Q.45 The maximum value of the radius of gyration is obtained if a material _____.

✗ 1. is placed at the centroid

✗ 2. has the maximum area

✓ 3. is placed farthest from the centroid

✗ 4. is placed nearest the centroid

Ans

Q.46 Select the correct statement regarding the 1st and 2nd moment of area of a circular lamina with radius 'R'.

Ans ✓ 1. 1st moment of area is may be either –ve or +ve based on the chosen reference axes, but 2nd moment of area is always +ve.

✗ 2. 1st moment of area is always +ve and 2nd moment of area is always –ve.

✗ 3. 1st moment of area is always –ve and 2nd moment of area is always +ve.

✗ 4. 1st moment of area and 2nd moment of area are always +ve.

Q.47 Which of the following compounds is responsible for slow hardening, less heat of hydration, and greater resistance to the chemical attack in OPC Cement?

Ans ✗ 1. C3S

✗ 2. C4AF

✗ 3. C3A

✔ 4. C2S

Question ID : 264330157850
Option 1 ID : 264330618761
Option 2 ID : 264330618759
Option 3 ID : 264330618762
Option 4 ID : 264330618760
Status : Answered
Chosen Option : 4

Q.48

A beam cross section has shape of an angle section as given below. Which of the following cross sections has the same nature of shear stress distribution as that of the below angle section?

Ans

✗ 1.

I-Section

✗ 2.

Triangular

✔ 3.

T-Section

✗ 4.
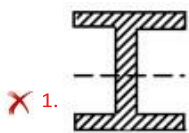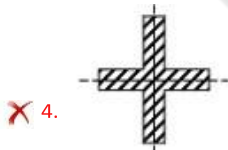
Cross-Section

Question ID : 26433088033
Option 1 ID : 264330345745
Option 2 ID : 264330345748
Option 3 ID : 264330345746
Option 4 ID : 264330345747
Status : Answered
Chosen Option : 3

Q.49 A vehicle was stopped by fully jamming the breaks in 1.8 s and the skid marks measured 9 m. Determine the average skid resistance. Take g =10 m/s^2.

Ans ✘ 1. 2.78

✘ 2. 0.278

✘ 3. 0.15

✔ 4. 0.556

Question ID : 26433091106
Option 1 ID : 264330357835
Option 2 ID : 264330357836
Option 3 ID : 264330357833
Option 4 ID : 264330357834
Status : Not Attempted and Marked For Review
Chosen Option : __

Q.50 The ratio of the total length of streams of all orders within a basin to its area is called _____.

✘ 1. stream order

✔ 2. drainage density

✘ 3. stream density

✘ 4. catchment density

Question ID : 26433095837
Option 1 ID : 264330376118
Option 2 ID : 264330376119
Option 3 ID : 264330376117
Option 4 ID : 264330376120
Status : Not Answered
Chosen Option : __

Ans

Q.51 The gross command area for a distributary is 10,000 ha and 80% of this is culturable. The intensity of irrigation is 50% for wheat and 30% for rice. Determine the total area cultivated by wheat and rice.

Ans ✘ 1. 2400 ha

✔ 2. 6400 ha

✘ 3. 8000 ha

✘ 4. 4000 ha

Question ID : 264330160570
Option 1 ID : 264330629612
Option 2 ID : 264330629613
Option 3 ID : 264330629614
Option 4 ID : 264330629611
Status : Answered
Chosen Option : 2

Q.52 Which of the following is NOT a retarding admixture?

Ans ✔ 1. Calcium chloride

✘ 2. Calcium sulphate

✘ 3. Sugar

✘ 4. Starch

Question ID : 264330157698
Option 1 ID : 264330618152
Option 2 ID : 264330618151
Option 3 ID : 264330618154
Option 4 ID : 264330618153
Status : Answered
Chosen Option : 1

Q.53 The following observations were made in an open-traverse compass survey. Bearing of Line AB is S 35° 30′ E, whereas the included angles measured clockwise at stations B, C, D and E are 105° 20′, 265° 50′, 20° 10′ and 325° 40′, respectively. The bearing of Line CD is _____.

✘ 1. S 24° 20′ W

✘ 2. S 65° 40′ E

✔ 3. S 24° 20′ E

✘ 4. S 65° 40′ W

Question ID : 264330160598
Option 1 ID : 264330629724
Option 2 ID : 264330629725
Option 3 ID : 264330629723
Option 4 ID : 264330629726
Status : Not Attempted and Marked For Review
Chosen Option : --

Ans

Q.54 The geographical information system is capable of integrating _____ to capture, store, retrieve, analyse and display the spatial data.

Ans ✘ 1. only a multi-sector database system

✘ 2. only multi-sector and multi-level database systems ✘

3. only multi-level and multi-period database systems

✔ 4. multi-sector, multi-level and multi-period database systems

Question ID : 264330160191
Option 1 ID : 264330628103
Option 2 ID : 264330628104
Option 3 ID : 264330628105
Option 4 ID : 264330628106
Status : Not Answered
Chosen Option : --

Q.55 Which of the following options represents the satellite-based positioning systems run by Russia?

Ans ✔ 1. TSIKADA and GLONASS

✘ 2. GPS and GLONASS

✘ 3. TRANSIT and GLONASS

✘ 4. TSIKADA and GPS

Question ID : 264330160587
Option 1 ID : 264330629680
Option 2 ID : 264330629679
Option 3 ID : 264330629682
Option 4 ID : 264330629681
Status : Answered
Chosen Option : 1

Q.56 The number of days for which a crop remains in a field is known as crop period. The crop period is also defined as the number of days between _____.

✘ 1. sowing and the last watering before harvesting a crop

✔ 2. sowing and harvesting of a crop

✘ 3. preparation of land and sowing

✘ 4. preparation of land and last watering before harvesting a crop

Question ID : 264330158538
Option 1 ID : 264330621512
Option 2 ID : 264330621511
Option 3 ID : 264330621514
Option 4 ID : 264330621513
Status : Answered
Chosen Option : 2

Ans

Q.57 The carbon credit system helps _____.

Ans ✔ 1. reduce greenhouse gas emissions

✘ 2. reduce water pollution caused by chemicals

✘ 3. reduce noise pollution

✘ 4. reduce soil pollution caused by agricultural wastes

Question ID : 264330160674
Option 1 ID : 264330630027
Option 2 ID : 264330630028
Option 3 ID : 264330630030
Option 4 ID : 264330630029
Status : Answered
Chosen Option : 1

Q.58 Minimum shear reinforcement is provided in an RCC beam under which of the following conditions?

Ans   ✔ 1. Nominal shear stress is less than design shear strength of concrete

✘ 2. Nominal shear stress is greater than maximum shear stress

✘ 3. Nominal shear stress is greater than design shear strength of concrete

✘   4. Nominal shear stress is greater than design shear strength of concrete but less than maximum shear stress

Question ID : 264330100821
Option 1 ID : 264330395830
Option 2 ID : 264330395831
Option 3 ID : 264330395829
Option 4 ID : 264330395832
Status : Answered
Chosen Option : 4

Q.59 Sprinkler irrigation is the best method of irrigation for standing crops in _____ in fields.

✘ 1. level surface

✔ 2. undulating sandy soil

✘ 3. heavy soil with low infiltration rate

✘ 4. alluvial soil

Question ID : 26433099443
Option 1 ID : 264330390386
Option 2 ID : 264330390387
Option 3 ID : 264330390385
Option 4 ID : 264330390388
Status : Answered
Chosen Option : 3

Ans

Q.60 Consider the following distances:

d_1 = distance travelled by the vehicle after applying the breaks. d_2 = distance travelled by overtaking vehicle, during reaction time for overtaking. d_3 = distance travelled by overtaking vehicle, during total overtaking time. d_4= distance travelled by overtaken vehicle, during total overtaking time.

The Overtaking Sight Distance, on a road with one-way traffic will be equal to:

Ans ✘ $d_1 + d_2 + d_3 + d_4$ 1.

✘ $d_1 + d_2 + d_3$ 2.

✘ $d_3 + d_4$ 3.

✔ $d_2 + d_3$ 4.

Question ID : 26433091095
Option 1 ID : 264330357789
Option 2 ID : 264330357790
Option 3 ID : 264330357791
Option 4 ID : 264330357792
Status : Answered
Chosen Option : 1

Q.61 What is the relation between the delivery head of the centrifugal pump and the shaft speed (N)?

Ans ✔ 1. The delivery head is directly proportional to N^2.

✘ 2. The delivery head is inversely proportional to N.

✘ 3. The delivery head is inversely proportional to N^2.

✘ 4. The delivery head is directly proportional to N.

Question ID : 264330158975
Option 1 ID : 264330623261
Option 2 ID : 264330623260
Option 3 ID : 264330623262
Option 4 ID : 264330623259
Status : Marked For Review
Chosen Option : 4

Q.62 Trapezoidal sections with rounded corners for large canals or triangular sections with circular bottoms for small canals are the most suitable sections for _____ canals.

✘ 1. semi-lined

✘ 2. unlined

✘ 3. earthen

✔ 4. lined

Question ID : 26433099458
Option 1 ID : 264330390447
Option 2 ID : 264330390446
Option 3 ID : 264330390445
Option 4 ID : 264330390448
Status : Marked For Review
Chosen Option : 4

Ans

Q.63 For cast in situ lining, identify the false statement. Ans

✘ 1. It has a higher initial cost.

✔ 2. The recurring maintenance charges are high.

✘ 3. It has a longer life than that of any other type.

✘ 4. It is most resistant to erosion.

Question ID : 26433099456
Option 1 ID : 264330390437
Option 2 ID : 264330390438
Option 3 ID : 264330390440
Option 4 ID : 264330390439
Status : Not Answered
Chosen Option : --

Q.64 In which process of manufacturing of cement are the raw materials ground, mixed and fed to the rotary kiln in the dry state?

Ans ✔ 1. Dry process

✘ 2. Moist process

✘ 3. Wet process

✘ 4. Grinding process

Question ID : 264330157841
Option 1 ID : 264330618724
Option 2 ID : 264330618725
Option 3 ID : 264330618723
Option 4 ID : 264330618726
Status : Answered
Chosen Option : 1

Q.65 A new system of sanitation is needed over the old conservancy system because:

Ans ✘ 1. both the systems of sanitation have an equal chance of polluting water supplies

✘ 2. the new system pollutes the city's water supplies

✔ 3. the old system may pollute the city's water supplies

✘ 4. the system of sanitation has no relation with the city's water supplies

Question ID : 26433095957
Option 1 ID : 264330376600
Option 2 ID : 264330376597
Option 3 ID : 264330376598
Option 4 ID : 264330376599
Status : Answered
Chosen Option : 3

Q.66 In the double integration method for a simply supported beam subjected to UDL over its entire span, the slope and deflection calculation will require:

✘ 1. only the symmetry condition

✘ 2. the boundary condition as well as the continuity condition

✘ 3. only the boundary condition

✔ 4. the boundary condition as well as the symmetry condition

Question ID : 26433099377
Option 1 ID : 264330390122
Option 2 ID : 264330390124
Option 3 ID : 264330390121
Option 4 ID : 264330390123
Status : Answered
Chosen Option : 2

Ans

Q.67 Which of the following is NOT a disadvantage of using rods and bars as a tension member of steel structures?

Ans ✗ 1. Inadequate stiffness

✗ 2. Sag under own weight

✗ 3. High slenderness ratio

✓ 4. Tensile strength

Question ID : 264330159704
Option 1 ID : 264330626176
Option 2 ID : 264330626177
Option 3 ID : 264330626178
Option 4 ID : 264330626175
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.68 If the normal and shear stress corresponding the failure are plotted, then a curve is obtained. The plot or curve is called the _____.

✗ 1. phreatic line

✗ 2. parabolic curve

✗ 3. failure line

✓ 4. strength envelope

Question ID : 26433096830
Option 1 ID : 264330380057
Option 2 ID : 264330380060
Option 3 ID : 264330380058
Option 4 ID : 264330380059
Status : Answered
Chosen Option : 4

Ans

Q.69 For _____, measuring is required individually in order to provide extra rates of associated components.

Ans ✗ 1. earthwork

✓ 2. brickwork in arches

✗ 3. honeycomb brickwork

✗ 4. reinforced brickwork

Question ID : 264330167533
Option 1 ID : 264330657106
Option 2 ID : 264330657103
Option 3 ID : 264330657105
Option 4 ID : 264330657104
Status : Answered
Chosen Option : 3

Q.70 Which of the following is NOT a way by which traffic volume data is presented?

Ans ✔ 1. Modal average

✘ 2. Traffic Variation charts

✘ 3. AADT in traffic engineering

✘ 4. The pattern of traffic

Question ID : 264330176257
Option 1 ID : 264330691306
Option 2 ID : 264330691304
Option 3 ID : 264330691303
Option 4 ID : 264330691305
Status : Answered
Chosen Option : 1

Q.71 Which of the following is manufactured from particles of wood or other lingo cellulose materials, which are agglomerated, formed and pressed together using an organic binder together in the presence of heat, pressure or moisture?

✘ 1. Plywood

✘ 2. Fibre board

✘ 3. Block board

✔ 4. Particle board

Question ID : 264330157854
Option 1 ID : 264330618776
Option 2 ID : 264330618777
Option 3 ID : 264330618778
Option 4 ID : 264330618775
Status : Answered
Chosen Option : 4

Ans

Q.72 Which of the following is a purpose served by lintel?

Ans ✘ 1. To support the slab

✘ 2. To join the column at sill level

✘ 3. To join the foundation

✔ 4. To support the wall above the opening

Question ID : 264330100805
Option 1 ID : 264330395766
Option 2 ID : 264330395768
Option 3 ID : 264330395765
Option 4 ID : 264330395767
Status : Answered
Chosen Option : 4

Q.73 A 0.3 m diameter pipe carries oil of specific gravity 0.8 at flow velocity of 1.5 m/s and the pressure at a point A is 20 kN/m^2 (gauge). If the point A is 3 m above the datum line, calculate the approximate total energy at point A in meters of oil.

Ans   ✗ 1. 5.95 m

 ✗ 2. 5.25 m

 ✓ 3. 5.65 m

 ✗ 4. 6.31 m

Question ID : 26433091058
Option 1 ID : 264330357642
Option 2 ID : 264330357641
Option 3 ID : 264330357643
Option 4 ID : 264330357644
Status : Not Answered
Chosen Option : --

Q.74 The type pavement marking which is used as a hazard marking and guide marking for safe driving during night is known as _____.

 ✗ 1. object marking

 ✓ 2. reflector unit marking

 ✗ 3. pavement marking

 ✗ 4. kerb marking

Question ID : 264330157175
Option 1 ID : 264330616063
Option 2 ID : 264330616065
Option 3 ID : 264330616066
Option 4 ID : 264330616064
Status : Answered
Chosen Option : 2

Ans

Q.75 Select the correct option for the given statements.

Statement 1: Due to their low strength, particle boards are less durable than plywood or solid wood. However, using laminates or veneers on the surface can aid to improve durability.
Statement 2: A layer of melamine can be applied to the top surface of particle boards to make them fire-resistant.

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 : 264330157853
Option 1 ID : 264330618771
Option 2 ID : 264330618774
Option 3 ID : 264330618773
Option 4 ID : 264330618772
Status : Answered
Chosen Option : 1

Q.76 In plane table surveys, the orientation of the table only by back sighting is preferred when _____.

Ans ✗ 1. there is no second point for orientation

✗ 2. the traverse is too long

✔ 3. the plane table can be set on a point already plotted on the sheet

✗ 4. speed is more important than accuracy

Question ID : 264330160196
Option 1 ID : 264330628124
Option 2 ID : 264330628126
Option 3 ID : 264330628125
Option 4 ID : 264330628123
Status : Answered
Chosen Option : 1

Q.77 Which of the following methods is most accurate for the determination of the water content of cohesionless soil?

✗ 1. Torsion Balance moisture meter method

✗ 2. Pycnometer method

✔ 3. Oven drying method

✗ 4. Calcium carbide method

Question ID : 26433099695
Option 1 ID : 264330391379
Option 2 ID : 264330391378
Option 3 ID : 264330391380
Option 4 ID : 264330391377
Status : Marked For Review
Chosen Option : 3

Ans

Q.78 Identify the correct statements regarding theodolite.
i.The axis of the plate level must lie in a plane parallel to the vertical axis.
ii.The horizontal axis must be perpendicular to the vertical axis. iii.The vertical circle vernier must read zero when the line of collimation is horizontal. iv.The axis of the altitude level must be perpendicular to the line of collimation.

Ans ✗ 1. Only i and iii

✗ 2. i, ii, iii and iv

✔ 3. Only ii and iii

✗ 4. Only i and iv

Question ID : 264330122653
Option 1 ID : 264330480726
Option 2 ID : 264330480724
Option 3 ID : 264330480723
Option 4 ID : 264330480725
Status : Answered
Chosen Option : 3

Q.79 Which of the following traffic sources will cause noise of the highest level during operation?

Ans ✓ 1. Jet aircraft at the take-off stage

✗ 2. Road traffic

✗ 3. Rail traffic

✗ 4. Inland water traffic

Question ID : 26433099407
Option 1 ID : 264330390241
Option 2 ID : 264330390243
Option 3 ID : 264330390242
Option 4 ID : 264330390244
Status : Answered
Chosen Option : 1

Q.80 Which of the following options represents an INCORRECT relation between the fundamental axes of a theodolite?

Ans ✗ 1. The axis of the plate level must be perpendicular to the vertical axis.

✓ 2. The axis of the striding level must be perpendicular to the transit axis.

✗ 3. The trunnion axis must be perpendicular to the line of sight.

✗ 4. The axis of the altitude level must be parallel to the line of collimation.

Question ID : 264330160625
Option 1 ID : 264330629834
Option 2 ID : 264330629832
Option 3 ID : 264330629833
Option 4 ID : 264330629831
Status : Answered
Chosen Option : 2

Q.81 A rectangular channel 3 m wide carries water at a depth of 1.2 m. The bed slope of the channel is 0.0025. Calculate the hydraulic radius of the channel.

Ans ✗ 1. 0.637 m

✓ 2. 0.667 m

✗ 3. 0.617 m

✗ 4. 0.627 m

Question ID : 26433094821
Option 1 ID : 264330372106
Option 2 ID : 264330372108
Option 3 ID : 264330372105
Option 4 ID : 264330372107
Status : Not Answered
Chosen Option : --

Q.82 To measure vertical angles, the theodolite must be levelled with reference to _____.

Ans ✓ 1. the altitude bubble on the index frame

✗ 2. the altitude bubble on the telescope

✗ 3. the bubble tube on the plate level

✗ 4. the altitude bubble on both the telescope and the index frame

Question ID : 264330160626
Option 1 ID : 264330629836
Option 2 ID : 264330629835
Option 3 ID : 264330629838
Option 4 ID : 264330629837
Status : Answered
Chosen Option : 4

Q.83 निम्नलिखित में से कौन-सा स्रोत पर आधारित नगरपालिका ठोस अपशिष्ट का एक प्रकार नहीं है?

Ans
- ✗ 1. घर का कचरा
- ✗ 2. व्यापार का कचरा
- ✓ 3. औद्योगिक कचरा
- ✗ 4. गलियों का कचरा

Question ID : **26433095923**
Option 1 ID : **264330376462**
Option 2 ID : **264330376464**
Option 3 ID : **264330376461**
Option 4 ID : **264330376463**
Status : **Answered**
Chosen Option : **3**

Q.84 Which of the given options does NOT include solid waste?

Ans
- ✗ 1. Plastic waste
- ✗ 2. Garbage
- ✗ 3. Street sweepings
- ✓ 4. Sewage

Question ID : **26433096545**
Option 1 ID : **264330378918**
Option 2 ID : **264330378917**
Option 3 ID : **264330378920**
Option 4 ID : **264330378919**
Status : **Answered**
Chosen Option : **4**

Q.85 The mantle layer exists from the base of the crust layer to a depth of about
_____.

Ans
- ✓ 1. 2,900 km
- ✗ 2. 2,700 km
- ✗ 3. 2,600 km
- ✗ 4. 2,800 km

Question ID : **26433099684**
Option 1 ID : **264330391335**
Option 2 ID : **264330391333**
Option 3 ID : **264330391336**
Option 4 ID : **264330391334**
Status : **Not Answered**
Chosen Option : **--**

Q.86 Defects due to fungi occur when the moisture content of timber is above _____.

Ans
- ✗ 1. 15%
- ✓ 2. 20%
- ✗ 3. 25%
- ✗ 4. 10%

Question ID : **264330157883**
Option 1 ID : **264330618892**
Option 2 ID : **264330618893**
Option 3 ID : **264330618894**
Option 4 ID : **264330618891**
Status : **Answered**
Chosen Option : **1**

Q.87 If the cohesion value of soil is zero, the Mohr envelope will pass through:

Ans ✗ 1. some distance on positive x-axis

✗ 2. some distance on positive y-axis

✔ 3. The origin

✗ 4. some distance on negative x-axis

Question ID : 264330159628
Option 1 ID : 264330625873
Option 2 ID : 264330625874
Option 3 ID : 264330625871
Option 4 ID : 264330625872
Status : Answered
Chosen Option : 3

Q.88 When designing steel structures, the effective length of battened compression members should be _____.

Ans ✔ 1. increased by 10%

✗ 2. decreased by 20%

✗ 3. increased by 20%

✗ 4. decreased by 10%

Question ID : 264330159683
Option 1 ID : 264330626091
Option 2 ID : 264330626094
Option 3 ID : 264330626092
Option 4 ID : 264330626093
Status : Answered
Chosen Option : 1

Q.89 Consider the given statements.
I: Rate of material used for construction includes the cost of transport.
II: For material that is supplied departmentally, cost of carriage from godown to work rate shall be added.
Which of the statements is/are true?

✔ 1. Both statements I and II are true

✗ 2. Only statement I is true

✗ 3. Both statements I and II are false

✗ 4. Only statement II is true

Question ID : 26433099356
Option 1 ID : 264330390039
Option 2 ID : 264330390037
Option 3 ID : 264330390040
Option 4 ID : 264330390038
Status : Answered
Chosen Option : 1

Ans

Q.90 सिग्नल का वह प्रकार जिसमें चरण और चक्र के समय को ट्रैफिक की मांग के अनुसार बदल दिया जाता है, उसे _____ कहा जाता है।

Ans ✔ 1. यातायात प्रेरित सिग्नल

✘ 2. मैनुअल रूप से संचालित सिग्नल

✘ 3. पैदल यात्री सिग्नल

✘ 4. निश्चित समय सिग्नल

Question ID : 264330157185
Option 1 ID : 264330616104
Option 2 ID : 264330616106
Option 3 ID : 264330616105
Option 4 ID : 264330616103
Status : Answered
Chosen Option : 1

Q.91 The value of slope at fixed support of a cantilever beam of length- L, flexural rigidity- EI, subjected to a point load 'P' at its mid span, and another point load 'P' at its free end, is:

✘ 1. $\dfrac{PL}{2.\,EI}$

✘ 2. $\dfrac{3.\,PL}{4.\,EI}$

✘ 3. $\dfrac{PL}{4.\,EI}$

✔ 4. zero

Question ID : 264330159401
Option 1 ID : 264330624965
Option 2 ID : 264330624964
Option 3 ID : 264330624966
Option 4 ID : 264330624963
Status : Answered
Chosen Option : 4

Ans

Q.92 The angle of the divergent portion of a Venturi meter is kept less than the angle of the converging portion to _____.

Ans ✘ 1. increase the velocity of the flow in the direction of the flow at the diverging part

✘ 2. decrease the pressure in the direction of the flow at the diverging part

✔ 3. minimise the loss of energy caused by flow separation

✘ 4. avoid a situation wherein the flow may become compressible

Question ID : 264330162559
Option 1 ID : 264330637565
Option 2 ID : 264330637566
Option 3 ID : 264330637563
Option 4 ID : 264330637564
Status : Answered
Chosen Option : 3

Q.93 During a cement mortar plastering of a brick wall, the ratio of 1 : 4 corresponds to _____.

Ans ✗ 1. Lime : Cement

✓ 2. Cement : Sand

✗ 3. Cement : Water

✗ 4. Cement : Coarse aggregate

Question ID : 26433099383
Option 1 ID : 264330390145
Option 2 ID : 264330390147
Option 3 ID : 264330390148
Option 4 ID : 264330390146
Status : Answered
Chosen Option : 2

Q.94 The painting of walls, doors and windows is measured in_____.

Ans ✗ 1. gram

✓ 2. square metre

✗ 3. pound

✗ 4. cubic metre

Question ID : 264330159814
Option 1 ID : 264330626606
Option 2 ID : 264330626603
Option 3 ID : 264330626605
Option 4 ID : 264330626604
Status : Answered
Chosen Option : 2

Q.95 Miscellaneous expenses such as office expenses, stationery, postal expenses, etc., falls under _____.

Ans ✗ 1. additional expenses

✓ 2. overhead expenses

✗ 3. extra expenses

✗ 4. surcharge expenses

Question ID : 26433099360
Option 1 ID : 264330390054
Option 2 ID : 264330390053
Option 3 ID : 264330390056
Option 4 ID : 264330390055
Status : Not Answered
Chosen Option : --

Q.96 According to the Air (Prevention and Control of Pollution) Act, 1981, how is the term 'Emission' defined?

Ans ✗ 1. Only the solid particles coming out of an outlet

✗ 2. Only the liquid substance coming out of an outlet

✗ 3. Only the gaseous substance coming out of an outlet

✓ 4. Any solid or liquid or gaseous substance coming out of any chimney, duct or flue or any other outlet

Question ID : 264330160680
Option 1 ID : 264330630051
Option 2 ID : 264330630052
Option 3 ID : 264330630053
Option 4 ID : 264330630054
Status : Answered
Chosen Option : 4

Q.97 In case of a turbulent flow in a pipe, the shear stress is:

Ans   ✔ 1. maximum at the wall and decreases linearly to zero at the centre

       ✘ 2. maximum at the midway between the centre line and the wall

       ✘ 3. maximum at the centre and decreases linearly towards the wall

       ✘ 4. maximum at the centre and decreases logarithmically towards the wall

Question ID : 264330158956
Option 1 ID : 264330623185
Option 2 ID : 264330623184
Option 3 ID : 264330623183
Option 4 ID : 264330623186
Status : Answered
Chosen Option : 1

Q.98 An underground water tank is to be designed. Which of the following cases is considered most appropriate for the analysis of its wall?

       ✔ 1. The underground water tank is empty

       ✘ 2. The underground water tank is full

       ✘ 3. The underground water tank is half full

       ✘ 4. The underground water tank is $\frac{3}{4}$ full

Question ID : 264330100814
Option 1 ID : 264330395801
Option 2 ID : 264330395802
Option 3 ID : 264330395803
Option 4 ID : 264330395804
Status : Not Answered
Chosen Option : __

Ans

Q.99 Which of the following statements regarding Portland Pozzolana Cement (PPC) is INCORRECT?

Ans   ✘ 1. PPC is useful in marine and hydraulic structures.

       ✘ 2. Fly ash is a pozzolanic material used for the manufacture of PPC.

       ✔ 3. PPC produces more heat of hydration than ordinary Portland cement.

       ✘ 4. The long-term strength of PPC beyond a couple of months is higher than that of ordinary Portland cement if enough moisture is available for continued pozzolanic action.

Question ID : 264330157684
Option 1 ID : 264330618095
Option 2 ID : 264330618096
Option 3 ID : 264330618097
Option 4 ID : 264330618098
Status : Answered
Chosen Option : 3

Q.100 Which of the following statements about carbon footprint is INCORRECT?

Ans ✗ 1. Manufacturing and transportation of consumer goods form a part of the secondary carbon footprint.

✗ 2. If you prefer to drive all the time, your carbon footprint will be higher.

✔ 3. Carbon footprint is of the following three types: primary, secondary and tertiary.

✗ 4. If you choose to walk or cycle, you lessen your carbon footprint.

Question ID : 264330160676
Option 1 ID : 264330630038
Option 2 ID : 264330630035
Option 3 ID : 264330630037
Option 4 ID : 264330630036
Status : Not Answered
Chosen Option : __