

Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 2 Mathura Road
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 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 H J J

☒ 2. H J H J

☒ 3. H J J H

☒ 4. H J H H

Question ID : 264330144615

Option 1 ID : 264330566716

Option 2 ID : 264330566715

Option 3 ID : 264330566717

Option 4 ID : 264330566718

Status : Answered

Chosen Option : 3

Q.2 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, east

☒ 2. 15 km, south

☒ 3. 15 km, west

☒ 4. 15 km, north

Question ID : 264330130194

Option 1 ID : 264330509888

Option 2 ID : 264330509890

Option 3 ID : 264330509887

Option 4 ID : 264330509889

Status : Answered

Chosen Option : 1

Q.3 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. Circle

☒ 3. Diagonal

☒ 4. Horizontal

Question ID : 26433076681

Option 1 ID : 264330300788

Option 2 ID : 264330300789

Option 3 ID : 264330300790

Option 4 ID : 264330300791

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)

Robbers : Gang :: Players : ?

- Ans
- ☐ 1. Field
 - ☐ 2. Group
 - ☒ 3. Team
 - ☐ 4. Game

Question ID : 264330144535

Option 1 ID : 264330566398

Option 2 ID : 264330566397

Option 3 ID : 264330566396

Option 4 ID : 264330566395

Status : Answered

Chosen Option : 3

Q.5 Which letter-cluster will replace the question mark (?) to complete the given series?

JPWL, MGAF, PXEZ, ?, VFMN

- Ans
- ☐ 1. RPIT
 - ☒ 2. SOIT
 - ☐ 3. SPIT
 - ☐ 4. ROIT

Question ID : 264330144631

Option 1 ID : 264330566779

Option 2 ID : 264330566782

Option 3 ID : 264330566780

Option 4 ID : 264330566781

Status : Answered

Chosen Option : 2

Q.6 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. 12
 - ☐ 2. 11
 - ☒ 3. 9
 - ☐ 4. 8

Question ID : 264330130327

Option 1 ID : 264330510421

Option 2 ID : 264330510419

Option 3 ID : 264330510420

Option 4 ID : 264330510422

Status : Answered

Chosen Option : 3

Q.7 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. 126
☐ 2. 118
☐ 3. 112
☒ 4. 108

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

Q.8 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)

- Ans ☐ 1. (13, 126, 14)
☒ 2. (21, 189, 3)
☐ 3. (4, 94, 5)
☐ 4. (19, 562, 8)

Question ID : 264330144453
Option 1 ID : 264330566068
Option 2 ID : 264330566070
Option 3 ID : 264330566067
Option 4 ID : 264330566069
Status : Answered
Chosen Option : 2

Q.9 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', what will come in place of the question mark?
 $50 - 6 \div 8 + 24 \times 6 = ?$

- Ans ☐ 1. 104
☒ 2. 304
☐ 3. 404
☐ 4. 604

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

Q.10 Which of the following numbers will replace the question mark(?) in the given series?
73, 68, 70, 65, ?, 62, 64

- Ans ☐ 1. 71
☐ 2. 69
☐ 3. 63
☒ 4. 67

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

Q.11 '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?

- Ans ☐ 1. Daughter
☐ 2. Sister's daughter
☒ 3. Sister
☐ 4. Son

Question ID : 264330131400
Option 1 ID : 264330514712
Option 2 ID : 264330514714
Option 3 ID : 264330514711
Option 4 ID : 264330514713
Status : Answered
Chosen Option : 3

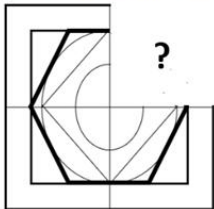
Q.12 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Crumble
2. Character
3. Crevice
4. Crunchy
5. Cushion
6. Charlatan

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

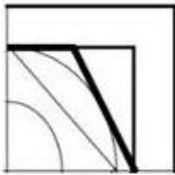
Question ID : 264330129471
Option 1 ID : 264330507251
Option 2 ID : 264330507252
Option 3 ID : 264330507250
Option 4 ID : 264330507253
Status : Answered
Chosen Option : 2

Q.13 Select the option figure that will replace the question mark (?) in the given figure to complete the pattern.



Ans

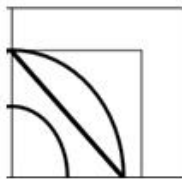
✓ 1.



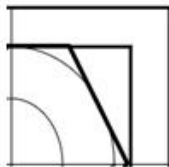
✗ 2.



✗ 3.



✗ 4.



Question ID : 26433068858

Option 1 ID : 264330269945

Option 2 ID : 264330269946

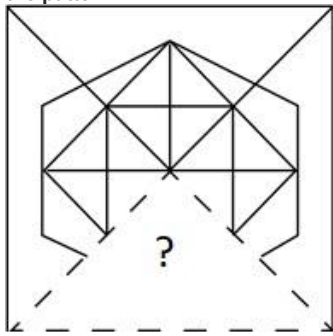
Option 3 ID : 264330269947

Option 4 ID : 264330269944

Status : Answered

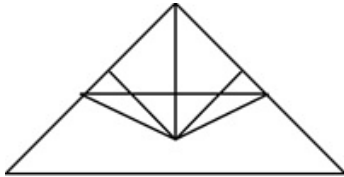
Chosen Option : 1

Q.14 Select the figure from the options that can replace the question mark (?) and complete the pattern.

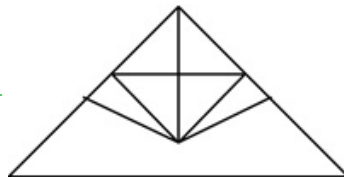


Ans

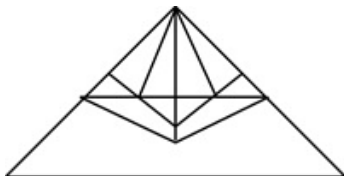
✗ 1.



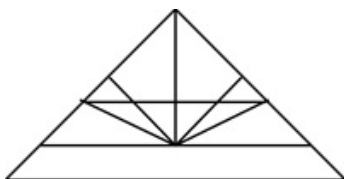
✓ 2.



✗ 3.



✗ 4.



Question ID : 26433092787
Option 1 ID : 264330364438
Option 2 ID : 264330364437
Option 3 ID : 264330364439
Option 4 ID : 264330364440

Status : Answered
Chosen Option : 2

Q.15 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. WIRD

✗ 3. WJRD

✗ 4. WKRD

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

Status : Answered
Chosen Option : 2

Q.16 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. Shore
☒ 2. Crystals
☒ 3. Glass
☒ 4. Paper

Question ID : 264330144593

Option 1 ID : 264330566630

Option 2 ID : 264330566629

Option 3 ID : 264330566627

Option 4 ID : 264330566628

Status : Answered

Chosen Option : 3

Q.17 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. EGI : UWY
☒ 3. NPQ : CEG
☒ 4. VTR : PNL

Question ID : 264330130717

Option 1 ID : 264330511979

Option 2 ID : 264330511980

Option 3 ID : 264330511981

Option 4 ID : 264330511982

Status : Answered

Chosen Option : 1

Q.18 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOMP, DPOQ, ? , HRSS,

- Ans ☒ 1. FQQS
☒ 2. FQRR
☒ 3. FPQR
☒ 4. FQQR

Question ID : 264330144522

Option 1 ID : 264330566345

Option 2 ID : 264330566344

Option 3 ID : 264330566343

Option 4 ID : 264330566346

Status : Answered

Chosen Option : 4

Q.19 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. 12-4-76-32-20-92
☒ 2. 12-4-76-32-12-92
☒ 3. 14-4-76-32-20-84
☒ 4. 30-12-74-24-12-92

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

Q.20 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.

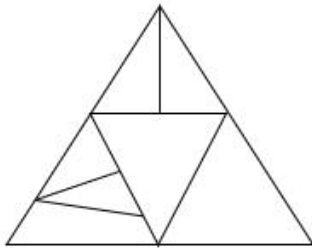
Conclusions:

- (I) Some pumpkins are potatoes.
(II) Some peas are pumpkins.
(III) Some pumpkins are not potatoes.

- Ans ☒ 1. Only conclusion II follows
☒ 2. None of the conclusions follow
☒ 3. Either conclusion I or conclusion III follows
☒ 4. Only conclusion I follows

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

Q.21 How many triangles are there in the given figure?



Ans ✓ 1. 10

✗ 2. 9

✗ 3. 8

✗ 4. 7

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

Q.22 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. Father

✗ 3. Brother

✗ 4. Sister

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

Q.23 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.24 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, 3, 2, 5, 6, 1

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

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

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

Question ID : **264330129468**

Option 1 ID : **264330507239**

Option 2 ID : **264330507238**

Option 3 ID : **264330507240**

Option 4 ID : **264330507241**

Status : **Answered**

Chosen Option : **3**

Q.25 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. 43

 2. 61

 3. 57

 4. 49

Question ID : **264330126046**

Option 1 ID : **264330493856**

Option 2 ID : **264330493859**

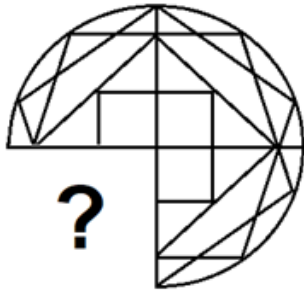
Option 3 ID : **264330493858**

Option 4 ID : **264330493857**

Status : **Answered**

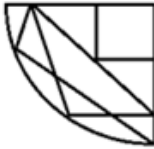
Chosen Option : **3**

Q.26 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

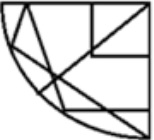


Ans

✓ 1.



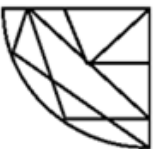
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330129659

Option 1 ID : 264330508003

Option 2 ID : 264330508005

Option 3 ID : 264330508002

Option 4 ID : 264330508004

Status : Answered

Chosen Option : 1

Q.27 If A denotes '+', B denotes 'x', 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. 30

✗ 2. 20

✓ 3. 10

✗ 4. 15

Question ID : 26433067677

Option 1 ID : 264330265222

Option 2 ID : 264330265221

Option 3 ID : 264330265223

Option 4 ID : 264330265220

Status : Answered

Chosen Option : 3

Q.28 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 : Answered
 Chosen Option : 1

Q.29 Which of the following terms will replace the question mark (?) in the given series?
 ABDE, FGIJ, KLNO, PQST, ?

- Ans ☒ 1. VWXY
☒ 2. UVXY
☒ 3. UVWZ
☒ 4. VWYX

Question ID : 26433089477
 Option 1 ID : 264330351410
 Option 2 ID : 264330351412
 Option 3 ID : 264330351409
 Option 4 ID : 264330351411
 Status : Answered
 Chosen Option : 2


Q.30 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?
 $114 \div 85 \times 5 - 4 + 33 = ?$

- Ans ☒ 1. 136
☒ 2. 161
☒ 3. 158
☒ 4. 149

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

Q.31 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

G F @ ? 4 K S



Ans

✗ 1. 2 X 4 ; @ F @

✓ 2. 2 X 4 ? @ F @

✗ 3. 2 X 4 ? @ F @

✗ 4. 2 X 4 ? @ F @

Question ID : 264330144786

Option 1 ID : 264330567401

Option 2 ID : 264330567400

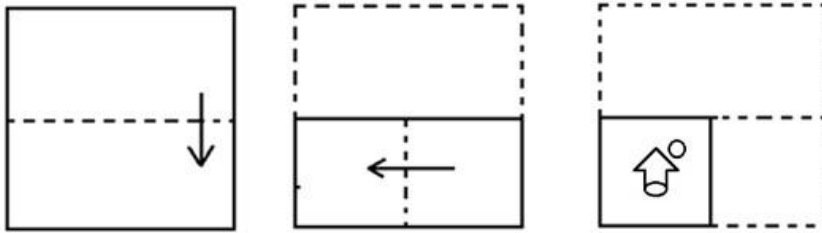
Option 3 ID : 264330567399

Option 4 ID : 264330567402

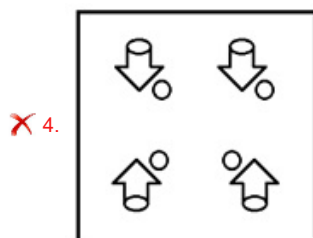
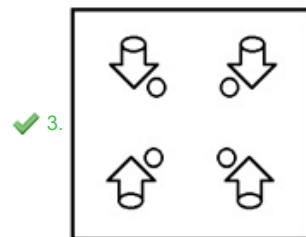
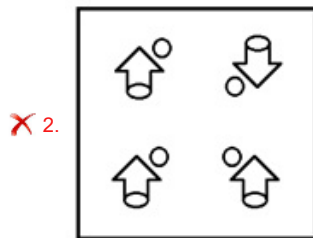
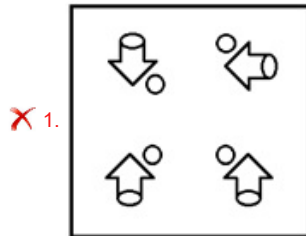
Status : Answered

Chosen Option : 2

Q.32 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



Question ID : 264330103211

Option 1 ID : 264330405152

Option 2 ID : 264330405150

Option 3 ID : 264330405151

Option 4 ID : 264330405149

Status : Answered

Chosen Option : 3

Q.33 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

et6ryQpup |
P
Q

Ans

✓ 1. quqOγıətə

✗ 2. buqOγıətə

✗ 3. quqOγıəfə

✗ 4. quqOγıətə

Question ID : 264330144803

Option 1 ID : 264330567468

Option 2 ID : 264330567469

Option 3 ID : 264330567470

Option 4 ID : 264330567467

Status : Answered

Chosen Option : 1

Q.34 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. 20 km

✗ 2. 30 km

✗ 3. 50 km

✗ 4. 40 km

Question ID : 26433097220

Option 1 ID : 264330381580

Option 2 ID : 264330381579

Option 3 ID : 264330381577

Option 4 ID : 264330381578

Status : Answered

Chosen Option : 1

Q.35 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. 34521

✗ 3. 35421

✗ 4. 45231

Question ID : 264330132079

Option 1 ID : 264330517414

Option 2 ID : 264330517411

Option 3 ID : 264330517413

Option 4 ID : 264330517412

Status : Answered

Chosen Option : 1

Q.36 In the following statements A, B, C, D and E denotes +, -, x, ÷ and =, respectively.
Which of the statement is correct?

Ans ☒ 1. $8A6C5D15E14B4$

☒ 2. $8A6C5D15B14E4$

☒ 3. $8A6C3D15E14B4$

☒ 4. $8A6C5D15E24B4$

Question ID : 264330129582

Option 1 ID : 264330507697

Option 2 ID : 264330507694

Option 3 ID : 264330507696

Option 4 ID : 264330507695

Status : Answered

Chosen Option : 1

Q.37 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. (9, 1, 44)

☒ 2. (8, 7, 32)

☒ 3. (2, 6, 45)

☒ 4. (6, 4, 75)

Question ID : 264330144445

Option 1 ID : 264330566036

Option 2 ID : 264330566035

Option 3 ID : 264330566038

Option 4 ID : 264330566037

Status : Not Answered

Chosen Option : --

Q.38 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.

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

Ans ☒ 1. SOE

☒ 2. TSE

☒ 3. SOF

☒ 4. TPE

Question ID : 264330144563

Option 1 ID : 264330566510

Option 2 ID : 264330566507

Option 3 ID : 264330566509

Option 4 ID : 264330566508

Status : Answered

Chosen Option : 1

Q.39 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.



- Ans ☒ 1. 9V4E3KIΛ
- ☐ 2. 9ΛE3KIV
- ☐ 3. 9V4E3KIΛ
- ☐ 4. 9ΛE3KIΛ

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

Q.40 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. 4
- ☐ 2. 2
- ☒ 3. 3
- ☐ 4. 1

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

Q.41 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. 2, 3, 5, 4, 1
- ☐ 2. 4, 2, 5, 1, 3
- ☐ 3. 3, 5, 4, 2, 1
- ☒ 4. 3, 1, 5, 4, 2

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

Q.42 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans

✗ 1.



✓ 2.



✗ 3.



✗ 4.

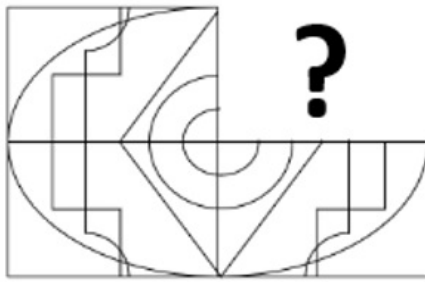


Question ID : 26433074809
Option 1 ID : 264330293324
Option 2 ID : 264330293325
Option 3 ID : 264330293327
Option 4 ID : 264330293326

Status : Answered

Chosen Option : 2

Q.43 Select the figure from the options that can replace the question mark (?) and complete the pattern.

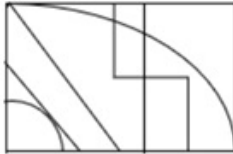


Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 26433068400

Option 1 ID : 264330268113

Option 2 ID : 264330268112

Option 3 ID : 264330268114

Option 4 ID : 264330268115

Status : Answered

Chosen Option : 3

Q.44 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 : ?

Ans ✗ 1. 785

✓ 2. 780

✗ 3. 765

✗ 4. 790

Question ID : 26433078882

Option 1 ID : 264330309542

Option 2 ID : 264330309541

Option 3 ID : 264330309540

Option 4 ID : 264330309543

Status : Not Answered

Chosen Option : --

Q.45 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. Milk : Protein
☒ 2. Pepper : Spice
☒ 3. Butter : Milk
☒ 4. Wheat : Pulse

Question ID : 264330117397

Option 1 ID : 264330461631

Option 2 ID : 264330461629

Option 3 ID : 264330461632

Option 4 ID : 264330461630

Status : Answered

Chosen Option : 3

Q.46 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. 112
☒ 2. 115
☒ 3. 109
☒ 4. 104

Question ID : 264330144550

Option 1 ID : 264330566457

Option 2 ID : 264330566455

Option 3 ID : 264330566456

Option 4 ID : 264330566458

Status : Not Answered

Chosen Option : --

Q.47 Which of the following numbers will replace the question mark (?) in the given series?
573, 562, 549, 532, 513, 490, ?, 430

- Ans ☒ 1. 431
☒ 2. 451
☒ 3. 441
☒ 4. 461

Question ID : 26433096014

Option 1 ID : 264330376828

Option 2 ID : 264330376826

Option 3 ID : 264330376827

Option 4 ID : 264330376825

Status : Answered

Chosen Option : 4

Q.48 In a college debate, six friends divided into 2 equal teams from Savita, Kavita, Namita, Diya, Piya, and Riya compete with each other and are sitting in two rows, facing each other. Piya is not at the end of any rows. Kavita is the neighbour of Riya. Diya is second to the left of Riya. Namita the neighbour of Piya is sitting diagonally opposite Diya. Which of the following are sitting diagonally opposite to each other?

- Ans ☒ 1. Riya and Savita
☐ 2. Diya and Piya
☐ 3. Savita and Piya
☐ 4. Piya and Kavita

Question ID : 26433085701
Option 1 ID : 264330336506
Option 2 ID : 264330336507
Option 3 ID : 264330336505
Option 4 ID : 264330336508
Status : Answered
Chosen Option : 1

Q.49 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. 25
☐ 2. 54
☐ 3. 69
☒ 4. 60

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

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. 128
☒ 2. 138
☐ 3. 182
☐ 4. 183

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

Section : General Awareness

Q.1 Which of the following is a capital goods industry?

- Ans ☐ 1. Manufacturing of tools
☐ 2. Manufacturing of television
☒ 3. Manufacturing of plants and machineries
☐ 4. Manufacturing of dyes

Question ID : 264330144396
Option 1 ID : 264330565841
Option 2 ID : 264330565842
Option 3 ID : 264330565839
Option 4 ID : 264330565840
Status : Answered
Chosen Option : 3

Q.2 Match the following columns.

Column-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-b, ii-c, iii-d, iv-a

☒ 2. i-a, ii-b, iii-c, iv-d

☒ 3. i-a, ii-c, iii-b, iv-d

☒ 4. i-d, ii-c, iii-b, iv-a

Question ID : 264330119748

Option 1 ID : 264330469269

Option 2 ID : 264330469267

Option 3 ID : 264330469268

Option 4 ID : 264330469270

Status : Answered

Chosen Option : 1

Q.3 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 Lytton

☒ 3. Lord Dalhousie

☒ 4. Lord Auckland

Question ID : 264330109042

Option 1 ID : 264330428446

Option 2 ID : 264330428447

Option 3 ID : 264330428448

Option 4 ID : 264330428445

Status : Not Answered

Chosen Option : --

Q.4 The 7th Commonwealth youth games will be held in:

Ans ☒ 1. 2026

☒ 2. 2023

☒ 3. 2022

☒ 4. 2028

Question ID : 264330109712

Option 1 ID : 264330431127

Option 2 ID : 264330431126

Option 3 ID : 264330431125

Option 4 ID : 264330431128

Status : Answered

Chosen Option : 1

Q.5 Which of the following Magadha Emperors annexed Anga into his Empire?

- Ans ☐ 1. Mahapadma Nanda
- ☒ 2. Bimbisara
- ☐ 3. Ajatashatru
- ☐ 4. Udayin

Question ID : 264330112127

Option 1 ID : 264330440596

Option 2 ID : 264330440593

Option 3 ID : 264330440594

Option 4 ID : 264330440595

Status : Marked For Review

Chosen Option : 1

Q.6 Which of the following crops is an example of a Rabi crop?

- Ans ☐ 1. Rice
- ☐ 2. Maize
- ☐ 3. Groundnut
- ☒ 4. Mustard

Question ID : 264330116451

Option 1 ID : 264330457890

Option 2 ID : 264330457892

Option 3 ID : 264330457889

Option 4 ID : 264330457891

Status : Answered

Chosen Option : 1

Q.7 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. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)
- ☐ 3. Jawahar Rozgar Yojana (JRY)
- ☒ 4. Rural-Landless Employment Guarantee Programme (RLEGP)

Question ID : 264330119826

Option 1 ID : 264330469582

Option 2 ID : 264330469579

Option 3 ID : 264330469581

Option 4 ID : 264330469580

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. Alexander William Williamson
- ☐ 4. Jabir Ibn Hayyan

Question ID : 264330141683

Option 1 ID : 264330555052

Option 2 ID : 264330555054

Option 3 ID : 264330555053

Option 4 ID : 264330555051

Status : Not Answered

Chosen Option : --

Q.9 Kongampattu AV Murugaiyan, was conferred the Padma Shri Award in 2022 for his relentless pursuit in playing the:

- Ans ☒ 1. bulbultara
☒ 2. thavil
☒ 3. violin
☒ 4. kinnera

Question ID : 26433064637
Option 1 ID : 264330253143
Option 2 ID : 264330253141
Option 3 ID : 264330253142
Option 4 ID : 264330253140
Status : Not Answered
Chosen Option : --

Q.10 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."

- Ans ☒ 1. 6 to 14 years
☒ 2. 1 to 15 years
☒ 3. 7 to 18 years
☒ 4. 5 to 15 years

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

Q.11 Which of the following is a non-benzenoid compound?

- Ans ☒ 1. Tropone
☒ 2. Aniline
☒ 3. Naphthalene
☒ 4. Benzene

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

Q.12 The Abhinandan Saroja National Award 2021 was conferred on which of the following dancers?

- Ans ☒ 1. Rama Vaidyanathan
☒ 2. Surupa Ganguly
☒ 3. Aparna Satheesan
☒ 4. Yamini Reddy

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

Q.13 Who among the following mentioned that 'Collective Responsibility can be achieved only through the instrumentality of the Prime Minister'?

- Ans
- ☐ 1. C Rajagopalachari
 - ☐ 2. Lal Bahadur Shastri
 - ☐ 3. Jawaharlal Nehru
 - ☒ 4. Dr BR Ambedkar

Question ID : 264330120162

Option 1 ID : 264330470905

Option 2 ID : 264330470906

Option 3 ID : 264330470904

Option 4 ID : 264330470903

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.14 What does the 'Print Range' option allow you to specify when printing slides in PowerPoint?

- Ans
- ☒ 1. The range of slides to be printed
 - ☐ 2. The order of the slides to be printed
 - ☐ 3. The orientation of the slides to be printed
 - ☐ 4. The number of copies to be printed

Question ID : 264330168591

Option 1 ID : 264330661177

Option 2 ID : 264330661176

Option 3 ID : 264330661178

Option 4 ID : 264330661175

Status : **Answered**

Chosen Option : 1

Q.15 The interspecies interaction that has a favourable influence on the participating species' per capita reproduction and/or survivability is called:

- Ans
- ☐ 1. adaptation
 - ☒ 2. mutualism
 - ☐ 3. symbiosis
 - ☐ 4. parasitism

Question ID : 264330109930

Option 1 ID : 264330432000

Option 2 ID : 264330431998

Option 3 ID : 264330431999

Option 4 ID : 264330431997

Status : **Answered**

Chosen Option : 3

Q.16 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.17 Select the INCORRECT statement about HDL.

Ans ☒ 1. It is considered as good cholesterol.

☒ 2. 'HDL' stands for High-Density Lipoprotein.

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

☒ 4. It absorbs cholesterol in the blood and carries it back to the liver.

Question ID : 264330112839

Option 1 ID : 264330443442

Option 2 ID : 264330443441

Option 3 ID : 264330443443

Option 4 ID : 264330443444

Status : Answered

Chosen Option : 3

Q.18 Which of the following measures of money supply is considered least liquid?

Ans ☒ 1. M3

☒ 2. M4

☒ 3. M2

☒ 4. M1

Question ID : 26433092380

Option 1 ID : 264330362811

Option 2 ID : 264330362812

Option 3 ID : 264330362810

Option 4 ID : 264330362809

Status : Not Answered

Chosen Option : --

Q.19 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. $P_{\text{Total}} = P_1 + P_2 + P_3 + \text{_____}$ (at constant V, P)
☐ 2. $P_{\text{Total}} = P_1 + P_2 + P_3 + \text{_____}$ (at constant T, n)
☐ 3. $P_{\text{Total}} = P_1 + P_2 + P_3 + \text{_____}$ (at constant T, P)
☒ 4. $P_{\text{Total}} = P_1 + P_2 + P_3 + \text{_____}$ (at constant T, V)

Question ID : 264330131693

Option 1 ID : 264330515871

Option 2 ID : 264330515873

Option 3 ID : 264330515872

Option 4 ID : 264330515874

Status : Answered

Chosen Option : 4

Q.20 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. BSk
☒ 2. EF
☐ 3. Aw
☐ 4. Cfb

Question ID : 264330113496

Option 1 ID : 264330446070

Option 2 ID : 264330446069

Option 3 ID : 264330446072

Option 4 ID : 264330446071

Status : Not Answered

Chosen Option : --

Q.21 In November 2022, who among the following was appointed as the brand ambassador of Uttarakhand government?

- Ans ☐ 1. Rishabh Pant
☒ 2. Prasoon Joshi
☐ 3. Jubin Nautiyal
☐ 4. Abhinav Bindra

Question ID : 264330156993

Option 1 ID : 264330615347

Option 2 ID : 264330615348

Option 3 ID : 264330615349

Option 4 ID : 264330615350

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.22 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. 777
☐ 2. 818
☒ 3. 618
☐ 4. 534

Question ID : 264330111349

Option 1 ID : 264330437482

Option 2 ID : 264330437481

Option 3 ID : 264330437484

Option 4 ID : 264330437483

Status : Answered

Chosen Option : 3

Q.23 Which of the following is a dynamic function of money?

- Ans ☒ 1. Basis of credit and liquidity
☐ 2. Medium of exchange
☐ 3. Standard of deferred payments
☐ 4. Measure of value

Question ID : 264330144407

Option 1 ID : 264330565883

Option 2 ID : 264330565884

Option 3 ID : 264330565886

Option 4 ID : 264330565885

Status : Answered

Chosen Option : 2

Q.24 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. State list
☒ 2. Union list
☐ 3. Residual List
☐ 4. Concurrent list

Question ID : 264330130487

Option 1 ID : 264330511059

Option 2 ID : 264330511060

Option 3 ID : 264330511062

Option 4 ID : 264330511061

Status : Answered

Chosen Option : 2

Q.25 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. 12
☐ 2. 13
☒ 3. 11
☐ 4. 10

Question ID : 264330132577

Option 1 ID : 264330519405

Option 2 ID : 264330519406

Option 3 ID : 264330519404

Option 4 ID : 264330519403

Status : Not Answered

Chosen Option : --

Q.26 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. Arthur Holmes
☐ 2. Alfred Wegener
☐ 3. Friedrich Mohs
☐ 4. Clair C Patterson

Question ID : 264330141742

Option 1 ID : 264330555288

Option 2 ID : 264330555290

Option 3 ID : 264330555287

Option 4 ID : 264330555289

Status : Answered

Chosen Option : 2

Q.27 Under which Amendment Act has the electorate been widened by lowering the age to 18 years?

- Ans
- ☐ 1. 42nd
 - ☐ 2. 72nd
 - ☒ 3. 61st
 - ☐ 4. 76th

Question ID : 26433054890
Option 1 ID : 264330214547
Option 2 ID : 264330214545
Option 3 ID : 264330214546
Option 4 ID : 264330214544
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.28 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 : 3

Q.29 Where was the 44th Chess Olympiad held?

- Ans
- ☐ 1. Moscow
 - ☐ 2. London
 - ☐ 3. Bengaluru
 - ☒ 4. Chennai

Question ID : 264330119252
Option 1 ID : 264330467296
Option 2 ID : 264330467295
Option 3 ID : 264330467298
Option 4 ID : 264330467297
Status : **Not Answered**
Chosen Option : --

Q.30 What is the rate of the heating and cooling of the oceanic water compared to land?

- Ans
- ☐ 1. Moderate
 - ☒ 2. Slower
 - ☐ 3. Similar
 - ☐ 4. Faster

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

Q.31 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?

- Ans ☒ 1. 86th Amendment Act, 2002
☒ 2. 83rd Amendment Act, 2000
☒ 3. 85th Amendment Act, 2002
☒ 4. 84th Amendment Act, 2001

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

Q.32 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. (C), (B), (A)
☒ 2. (B), (A), (C)
☒ 3. (A), (C), (B)
☒ 4. (A), (B), (C)

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

Q.33 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. ₹15,00,000
☒ 2. ₹10,00,000
☒ 3. ₹5,00,000
☒ 4. ₹2,50,000

Question ID : 264330156936
Option 1 ID : 264330615121
Option 2 ID : 264330615120
Option 3 ID : 264330615119
Option 4 ID : 264330615122
Status : Answered
Chosen Option : 3

Q.34 Prabha Atre is commonly associated with which Gharana?

- Ans ☒ 1. Kirana Gharana
☒ 2. Agra Gharana
☒ 3. Gwalior Gharana
☒ 4. Bhindi bazar Gharana

Question ID : 26433074867
Option 1 ID : 264330293556
Option 2 ID : 264330293559
Option 3 ID : 264330293558
Option 4 ID : 264330293557
Status : Not Answered
Chosen Option : --

Q.35 Osmosis is a diffusion movement of _____ .

- Ans
- ☐ 1. sugar
 - ☐ 2. alloys
 - ☐ 3. air
 - ☒ 4. water

Question ID : 264330113335

Option 1 ID : 264330445425

Option 2 ID : 264330445428

Option 3 ID : 264330445427

Option 4 ID : 264330445426

Status : Answered

Chosen Option : 4

Q.36 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. Paradip Port
 - ☐ 2. Jawaharlal Nehru Port
 - ☒ 3. Syama Prasad Mookerjee Trust
 - ☐ 4. Mundra Port

Question ID : 264330130580

Option 1 ID : 264330511433

Option 2 ID : 264330511434

Option 3 ID : 264330511432

Option 4 ID : 264330511431

Status : Answered

Chosen Option : 1

Q.37 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. Schizosaccharomyces pombe
 - ☐ 2. Candida albicans
 - ☒ 3. Saccharomyces cerevisiae
 - ☐ 4. Saccharomyces boulardii

Question ID : 264330144345

Option 1 ID : 264330565640

Option 2 ID : 264330565639

Option 3 ID : 264330565642

Option 4 ID : 264330565641

Status : Not Answered

Chosen Option : --

Q.38 Select the correct combination of Indian classical dance and their respective dancer.

- Ans
- ☐ 1. Kelucharan Mohapatra – Mohiniyattam
 - ☐ 2. Sharodi Saikia – Kathakali
 - ☒ 3. Anita Ratnam – Bharatanatyam
 - ☐ 4. Pallavi Krishnan – Manipuri

Question ID : 264330130518

Option 1 ID : 264330511185

Option 2 ID : 264330511183

Option 3 ID : 264330511184

Option 4 ID : 264330511186

Status : Not Answered

Chosen Option : --

Q.39 _____ built the town of Thanjavur and a temple for goddess Nishumbhasudini there.

- Ans ☐ 1. Athirajendra Chola
☒ 2. Vijayalaya
☐ 3. Rajendra I
☐ 4. Virarajendra Chola

Question ID : 26433089137
Option 1 ID : 264330350068
Option 2 ID : 264330350065
Option 3 ID : 264330350066
Option 4 ID : 264330350067
Status : Answered
Chosen Option : 3

Q.40 Syyed Ahmed Barelvi was the founder of which Muslim Reform Movement?

- Ans ☐ 1. Aligarh movement
☐ 2. Deoband movement
☐ 3. Ahmediya movement
☒ 4. Wahabi movement

Question ID : 264330109059
Option 1 ID : 264330428513
Option 2 ID : 264330428515
Option 3 ID : 264330428516
Option 4 ID : 264330428514
Status : Not Answered
Chosen Option : --

Q.41 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 : 2

Q.42 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 |

- Ans ☒ 1. 1-a, 2-b, 3-c
☒ 2. 1-b, 2-a, 3-c
☒ 3. 1-c, 2-a, 3-b
☒ 4. 1-b, 2-c, 3-a

Question ID : 264330132724
Option 1 ID : 264330519991
Option 2 ID : 264330519992
Option 3 ID : 264330519994
Option 4 ID : 264330519993
Status : Answered
Chosen Option : 1

Q.43 How many shrines exist in the Panchayatana style of architecture?

- Ans ☒ 1. 7
☒ 2. 3
☒ 3. 9
☒ 4. 5

Question ID : 26433072654
Option 1 ID : 264330284878
Option 2 ID : 264330284876
Option 3 ID : 264330284879
Option 4 ID : 264330284877
Status : Answered
Chosen Option : 1

Q.44 Who among the following was appointed as the new Economic Affairs Secretary in April 2021?

- Ans ☒ 1. Ajay Seth
☒ 2. Chetan Vaidya
☒ 3. Anantha Nageswaran
☒ 4. Chintan Vaishnav

Question ID : 26433092443
Option 1 ID : 264330363062
Option 2 ID : 264330363063
Option 3 ID : 264330363064
Option 4 ID : 264330363061
Status : Not Answered
Chosen Option : --

Q.45 The centralisation of the administration of India took place under which Act?

- Ans ☒ 1. Charter Act of 1813
☒ 2. Charter Act of 1853
☒ 3. Charter Act of 1793
☒ 4. Charter Act of 1833

Question ID : 264330112158
Option 1 ID : 264330440718
Option 2 ID : 264330440720
Option 3 ID : 264330440717
Option 4 ID : 264330440719
Status : Answered
Chosen Option : 2

Q.46 What does air drainage do in cold climate?

- Ans
- ☐ 1. It filters out better quality air.
 - ☐ 2. It keeps dust particles elevated.
 - ☐ 3. It keeps the soil warm.
 - ☒ 4. It protects plants from frost damages.

Question ID : 264330137312

Option 1 ID : 264330537878

Option 2 ID : 264330537877

Option 3 ID : 264330537875

Option 4 ID : 264330537876

Status : Not Answered

Chosen Option : --

Q.47 Which of the following is a genetically modified plant?

- Ans
- ☒ 1. Bt cotton
 - ☐ 2. Native potato
 - ☐ 3. Sugarcane
 - ☐ 4. Wild banana

Question ID : 264330109937

Option 1 ID : 264330432025

Option 2 ID : 264330432027

Option 3 ID : 264330432026

Option 4 ID : 264330432028

Status : Answered

Chosen Option : 1

Q.48 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?

- Ans
- ☐ 1. Narendra Modi
 - ☒ 2. Manmohan Singh
 - ☐ 3. Urjit Patel
 - ☐ 4. Raghuram Rajan

Question ID : 264330137294

Option 1 ID : 264330537803

Option 2 ID : 264330537804

Option 3 ID : 264330537806

Option 4 ID : 264330537805

Status : Answered

Chosen Option : 1

Q.49 Prior to the 1991 Census of India, the concept of literacy was defined as essentially illiterate children below the age of _____ years.

- Ans
- ☐ 1. 8
 - ☐ 2. 7
 - ☐ 3. 6
 - ☒ 4. 5

Question ID : 264330117812

Option 1 ID : 264330463063

Option 2 ID : 264330463065

Option 3 ID : 264330463066

Option 4 ID : 264330463064

Status : Answered

Chosen Option : 1

Q.50 Which of the following developed India's first gender-neutral Human Papillomavirus (HPV) vaccine GARDASIL-9, in September 2021?

- Ans ☐ 1. Cadila Healthcare Limited
- ☒ 2. MSD Pharmaceuticals Pvt Ltd
- ☐ 3. Cipla Limited
- ☐ 4. Sun Pharmaceutical Industries Limited

Question ID : 26433082799
Option 1 ID : 264330325032
Option 2 ID : 264330325030
Option 3 ID : 264330325031
Option 4 ID : 264330325029
Status : Not Answered
Chosen Option : --

Section : General Engineering Civil and Structural

Q.1 If the normal and shear stress corresponding the failure are plotted, then a curve is obtained. The plot or curve is called the _____.

- Ans ☒ 1. strength envelope
- ☐ 2. parabolic curve
- ☐ 3. failure line
- ☐ 4. phreatic line

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

Q.2 Formation of _____ type(s) of rocks involves biological activity in addition to complex mechanical or chemical processes.

- Ans ☐ 1. sedimentary and metamorphic
- ☒ 2. sedimentary
- ☐ 3. metamorphic
- ☐ 4. igneous

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

Q.3 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. avoid a situation wherein the flow may become compressible
- ☒ 3. minimise the loss of energy caused by flow separation
- ☐ 4. decrease the pressure in the direction of the flow at the diverging part

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

Q.4 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. $2Vgh / 300$
 - ☒ 2. $4V / (2gh)^{3/2}$
 - ☒ 3. $V / (2gh)^{1/2}$
 - ☒ 4. $2gh / (V)^{1/2}$

Question ID : 264330158932

Option 1 ID : 264330623089

Option 2 ID : 264330623090

Option 3 ID : 264330623087

Option 4 ID : 264330623088

Status : Answered

Chosen Option : 3

Q.5 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. 2 days
 - ☒ 2. 1 day
 - ☒ 3. 3 days
 - ☒ 4. 28 hours

Question ID : 264330157705

Option 1 ID : 264330618180

Option 2 ID : 264330618179

Option 3 ID : 264330618181

Option 4 ID : 264330618182

Status : Answered

Chosen Option : 3

Q.6 For _____, measuring is required individually in order to provide extra rates of associated components.

- Ans
- ☒ 1. honeycomb brickwork
 - ☒ 2. earthwork
 - ☒ 3. brickwork in arches
 - ☒ 4. reinforced brickwork

Question ID : 264330167533

Option 1 ID : 264330657105

Option 2 ID : 264330657106

Option 3 ID : 264330657103

Option 4 ID : 264330657104

Status : Answered

Chosen Option : 4

Q.7 To measure vertical angles, the theodolite must be levelled with reference to _____.

- Ans
- ☒ 1. the altitude bubble on the telescope
 - ☒ 2. the bubble tube on the plate level
 - ☒ 3. the altitude bubble on both the telescope and the index frame
 - ☒ 4. the altitude bubble on the index frame

Question ID : 264330160626

Option 1 ID : 264330629835

Option 2 ID : 264330629838

Option 3 ID : 264330629837

Option 4 ID : 264330629836

Status : Answered

Chosen Option : 2

Q.8 As per IS 456:2000, which of the statement regarding longitudinal reinforcement in the RCC column is INCORRECT?

- Ans ☐ 1. Minimum diameter of longitudinal bars shall not be less than 12 mm.
- ☒ 2. Minimum 8 longitudinal bars is to be provided in a column having helical reinforcement within the helical region.
- ☐ 3. Minimum 6 longitudinal bars is to be provided in a circular column.
- ☐ 4. Minimum 4 longitudinal bars is to be provided in a rectangular column.

Question ID : 264330159644

Option 1 ID : 264330625938

Option 2 ID : 264330625937

Option 3 ID : 264330625936

Option 4 ID : 264330625935

Status : Answered

Chosen Option : 2

Q.9 A simple U-tube manometer connected to a pipe in which liquid is flowing with a uniform speed will give _____.

- Ans ☐ 1. absolute pressure
- ☐ 2. atmospheric pressure
- ☐ 3. vacuum pressure
- ☒ 4. gauge pressure

Question ID : 264330158992

Option 1 ID : 264330623328

Option 2 ID : 264330623327

Option 3 ID : 264330623329

Option 4 ID : 264330623330

Status : Answered

Chosen Option : 4

Q.10 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 $g = 10 \text{ m/s}^2$.

- Ans ☐ 1. 2.78
- ☐ 2. 0.15
- ☒ 3. 0.556
- ☐ 4. 0.278

Question ID : 26433091106

Option 1 ID : 264330357835

Option 2 ID : 264330357833

Option 3 ID : 264330357834

Option 4 ID : 264330357836

Status : Answered

Chosen Option : 3

Q.11 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. Moist process
- ☐ 2. Wet process
- ☒ 3. Dry process
- ☐ 4. Grinding process

Question ID : 264330157841

Option 1 ID : 264330618725

Option 2 ID : 264330618723

Option 3 ID : 264330618724

Option 4 ID : 264330618726

Status : Answered

Chosen Option : 3

Q.12 Which of the following options represents an INCORRECT relation between the fundamental axes of a theodolite?

- Ans
- ☐ 1. The trunnion axis must be perpendicular to the line of sight.
 - ☐ 2. The axis of the altitude level must be parallel to the line of collimation.
 - ☐ 3. The axis of the plate level must be perpendicular to the vertical axis.
 - ☒ 4. The axis of the striding level must be perpendicular to the transit axis.

Question ID : 264330160625

Option 1 ID : 264330629833

Option 2 ID : 264330629831

Option 3 ID : 264330629834

Option 4 ID : 264330629832

Status : Answered

Chosen Option : 4

Q.13 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
- ☐ 1. $d_1 + d_2 + d_3 + d_4$
 - ☐ 2. $d_1 + d_2 + d_3$
 - ☐ 3. $d_3 + d_4$
 - ☒ 4. $d_2 + d_3$

Question ID : 26433091095

Option 1 ID : 264330357789

Option 2 ID : 264330357790

Option 3 ID : 264330357791

Option 4 ID : 264330357792

Status : Answered

Chosen Option : 3

Q.14 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. 20.375 cm
 - ☐ 3. 10.125 cm
 - ☒ 4. 30.5 cm

Question ID : 264330100769

Option 1 ID : 264330395624

Option 2 ID : 264330395623

Option 3 ID : 264330395621

Option 4 ID : 264330395622

Status : Answered

Chosen Option : 2

Q.15 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 steel
 - ☒ 2. Depth of beam
 - ☒ 3. Temperature
 - ☒ 4. Grade of concrete

Question ID : 264330159655

Option 1 ID : 264330625980

Option 2 ID : 264330625982

Option 3 ID : 264330625979

Option 4 ID : 264330625981

Status : Answered

Chosen Option : 3

Q.16 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. 4000 ha
 - ☒ 3. 8000 ha
 - ☒ 4. 6400 ha

Question ID : 264330160570

Option 1 ID : 264330629612

Option 2 ID : 264330629611

Option 3 ID : 264330629614

Option 4 ID : 264330629613

Status : Answered

Chosen Option : 4

Q.17 Register of arrears of wages due to work people is recorded in _____

- Ans
- ☒ 1. part II of the muster roll
 - ☒ 2. part III of the wage record
 - ☒ 3. part III of the muster roll
 - ☒ 4. part II of the wage record

Question ID : 26433099365

Option 1 ID : 264330390073

Option 2 ID : 264330390076

Option 3 ID : 264330390074

Option 4 ID : 264330390075

Status : Not Answered

Chosen Option : --

Q.18 If the pipes are connected in parallel, the total loss of head is:

- Ans
- ☒ 1. equal to the reciprocal of the sum of head losses in each pipe
 - ☒ 2. equal to the sum of the squares of head losses in each pipe
 - ☒ 3. the same in each pipe
 - ☒ 4. equal to the sum of head losses in each pipe

Question ID : 264330158938

Option 1 ID : 264330623114

Option 2 ID : 264330623113

Option 3 ID : 264330623112

Option 4 ID : 264330623111

Status : Answered

Chosen Option : 3

Q.19 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 taken first 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.

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

Question ID : 26433099337
Option 1 ID : 264330389961
Option 2 ID : 264330389964
Option 3 ID : 264330389963
Option 4 ID : 264330389962
Status : Answered
Chosen Option : 4

Q.20 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?

- Ans ☒ 1. Fibre board
☒ 2. Particle board
☒ 3. Plywood
☒ 4. Block board

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

Q.21 In the double integration method for a simply supported beam subjected to UDL over its entire span, the slope and deflection calculation will require:

- Ans ☒ 1. only the boundary condition
☒ 2. the boundary condition as well as the symmetry condition
☒ 3. only the symmetry condition
☒ 4. the boundary condition as well as the continuity condition

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

Q.22 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 : Answered
Chosen Option : 2

Q.23 A new system of sanitation is needed over the old conservancy system because:

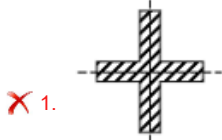
- Ans
- ☒ 1. the new system pollutes the city's water supplies
 - ☒ 2. both the systems of sanitation have an equal chance of polluting water supplies
 - ☒ 3. the old system may pollute the city's water supplies
 - ☒ 4. the system of sanitation has no relation with the city's water supplies

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

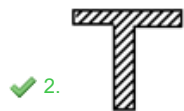
Q.24 A beam cross section has shape of an angle section as given below. Which of the following cross sections has the same nature of shear stress distribution as that of the below angle section?



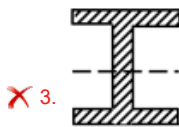
Ans



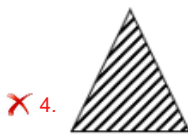
Cross-Section



T-Section



I-Section



Triangular

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

Q.25 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:

Ans

☒ 1. $\frac{3 \cdot PL}{4 \cdot EI}$

☒ 2. $\frac{PL}{2 \cdot EI}$

☒ 3. $\frac{PL}{4 \cdot EI}$

☒ 4. zero

Question ID : 264330159401

Option 1 ID : 264330624964

Option 2 ID : 264330624965

Option 3 ID : 264330624966

Option 4 ID : 264330624963

Status : Answered

Chosen Option : 4

Q.26 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. 0.627 m

☒ 2. 0.637 m

☒ 3. 0.667 m

☒ 4. 0.617 m

Question ID : 26433094821

Option 1 ID : 264330372107

Option 2 ID : 264330372106

Option 3 ID : 264330372108

Option 4 ID : 264330372105

Status : Answered

Chosen Option : 3

Q.27 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 always +ve and 2nd moment of area is always -ve.

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

☒ 3. 1st moment of area is always -ve and 2nd moment of area is always +ve.

☒ 4. 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.

Question ID : 264330159408

Option 1 ID : 264330624993

Option 2 ID : 264330624991

Option 3 ID : 264330624992

Option 4 ID : 264330624994

Status : Answered

Chosen Option : 4

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

Ans ☒ 1. dowel bars

☒ 2. tie bars

☒ 3. longitudinal bars

☒ 4. aggregates

Question ID : 26433086536

Option 1 ID : 264330339787

Option 2 ID : 264330339785

Option 3 ID : 264330339786

Option 4 ID : 264330339788

Status : Answered

Chosen Option : 2

Q.29 The carbon credit system helps _____.

Ans ☒ 1. reduce water pollution caused by chemicals

☒ 2. reduce noise pollution

☒ 3. reduce soil pollution caused by agricultural wastes

☒ 4. reduce greenhouse gas emissions

Question ID : 264330160674

Option 1 ID : 264330630028

Option 2 ID : 264330630030

Option 3 ID : 264330630029

Option 4 ID : 264330630027

Status : Answered

Chosen Option : 4

Q.30 Rankine theory considers the stress in a soil mass when it reaches in the state of _____.

Ans ☒ 1. limited equilibrium

☒ 2. plastic equilibrium

☒ 3. general state of equilibrium

☒ 4. local state of equilibrium

Question ID : 26433096891

Option 1 ID : 264330380303

Option 2 ID : 264330380304

Option 3 ID : 264330380301

Option 4 ID : 264330380302

Status : Answered

Chosen Option : 2

Q.31 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?

Ans ☒ 1. Both statements I and II are true

☒ 2. Only statement II is true

☒ 3. Both statements I and II are false

☒ 4. Only statement I is true

Question ID : 26433099356

Option 1 ID : 264330390039

Option 2 ID : 264330390038

Option 3 ID : 264330390040

Option 4 ID : 264330390037

Status : Not Answered

Chosen Option : --

Q.32 The geographical information system is capable of integrating _____ to capture, store, retrieve, analyse and display the spatial data.

- Ans ☒ 1. only multi-level and multi-period database systems
- ☒ 2. multi-sector, multi-level and multi-period database systems
- ☒ 3. only multi-sector and multi-level database systems
- ☒ 4. only a multi-sector database system

Question ID : 264330160191

Option 1 ID : 264330628105

Option 2 ID : 264330628106

Option 3 ID : 264330628104

Option 4 ID : 264330628103

Status : Not Answered

Chosen Option : --

Q.33 Hollow pre-cast concrete blocks possess good thermal insulation because of the:

- Ans ☒ 1. seepage resistance
- ☒ 2. outside air near the block
- ☒ 3. air entrapped within the block
- ☒ 4. resistance to efflorescence

Question ID : 26433099393

Option 1 ID : 264330390187

Option 2 ID : 264330390186

Option 3 ID : 264330390185

Option 4 ID : 264330390188

Status : Answered

Chosen Option : 3

Q.34 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 false
- ☒ 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

Question ID : 264330157853

Option 1 ID : 264330618772

Option 2 ID : 264330618773

Option 3 ID : 264330618774

Option 4 ID : 264330618771

Status : Answered

Chosen Option : 4

Q.35 Which of the following types of soil have excellent workability as a construction material?

- Ans ☒ 1. Silty sand
- ☒ 2. Well graded gravel
- ☒ 3. Clayey sand
- ☒ 4. Silty gravel

Question ID : 26433099685

Option 1 ID : 264330391338

Option 2 ID : 264330391337

Option 3 ID : 264330391340

Option 4 ID : 264330391339

Status : Answered

Chosen Option : 2

Q.36 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. basin storage
 - ☐ 2. dead storage
 - ☒ 3. depression storage
 - ☐ 4. sub-surface storage

Question ID : 264330160578

Option 1 ID : 264330629643

Option 2 ID : 264330629644

Option 3 ID : 264330629645

Option 4 ID : 264330629646

Status : Answered

Chosen Option : 3

Q.37 During a cement mortar plastering of a brick wall, the ratio of 1 : 4 corresponds to

- Ans
- ☐ 1. Cement : Coarse aggregate
 - ☒ 2. Cement : Sand
 - ☐ 3. Lime : Cement
 - ☐ 4. Cement : Water

Question ID : 26433099383

Option 1 ID : 264330390146

Option 2 ID : 264330390147

Option 3 ID : 264330390145

Option 4 ID : 264330390148

Status : Answered

Chosen Option : 2

Q.38 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. 77048 N
 - ☐ 2. 72058 N
 - ☐ 3. 70058 N
 - ☐ 4. 71058 N

Question ID : 26433091144

Option 1 ID : 264330357986

Option 2 ID : 264330357988

Option 3 ID : 264330357985

Option 4 ID : 264330357987

Status : Answered

Chosen Option : 1

Q.39 Proper experimental knowledge about the porosity and water absorption capacity of a coarse aggregate is required as it 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. Only (i)
☒ 2. Only (ii)
☒ 3. Both (i) and (ii)
☒ 4. (i), (ii), and (iii)

Question ID : 264330100157

Option 1 ID : 264330393201

Option 2 ID : 264330393202

Option 3 ID : 264330393203

Option 4 ID : 264330393204

Status : Answered

Chosen Option : 4

Q.40 Which of the following methods is most accurate for the determination of the water content of cohesionless soil?

Ans ☒ 1. Pycnometer method
☒ 2. Torsion Balance moisture meter method
☒ 3. Calcium carbide method
☒ 4. Oven drying method

Question ID : 26433099695

Option 1 ID : 264330391378

Option 2 ID : 264330391379

Option 3 ID : 264330391377

Option 4 ID : 264330391380

Status : Answered

Chosen Option : 4

Q.41 Which of the following statements is INCORRECT?

Ans ☒ 1. Thermal power houses are the main contributors to SO₂ emissions.
☒ 2. Municipal drainage systems emit H₂S gas.
☒ 3. Incomplete combustion of carbonaceous fuels releases carbon dioxide as the major pollutant.
☒ 4. Welding operations may release nitrogen oxide.

Question ID : 264330160687

Option 1 ID : 264330630079

Option 2 ID : 264330630081

Option 3 ID : 264330630082

Option 4 ID : 264330630080

Status : Answered

Chosen Option : 4

Q.42 Which term indicates the stages in which the total predetermined cost of construction of the project is to be spread over?

Ans ☒ 1. Cost planning
☒ 2. Budget planning
☒ 3. Cost determination
☒ 4. Financial planning

Question ID : 26433099306

Option 1 ID : 264330389837

Option 2 ID : 264330389839

Option 3 ID : 264330389840

Option 4 ID : 264330389838

Status : Answered

Chosen Option : 4

Q.43 A current meter is a device used for measuring the:

- Ans ☒ 1. pressure of the fluid
☒ 2. velocity of the flow of the fluid
☒ 3. surface tension of the fluid
☒ 4. viscosity of the fluid

Question ID : 264330158930

Option 1 ID : 264330623079

Option 2 ID : 264330623081

Option 3 ID : 264330623082

Option 4 ID : 264330623080

Status : Answered

Chosen Option : 2

Q.44 Which of the following is NOT a type of municipal solid waste based on source?

- Ans ☒ 1. Industrial refuse
☒ 2. House refuse
☒ 3. Street refuse
☒ 4. Trade refuse

Question ID : 26433095923

Option 1 ID : 264330376461

Option 2 ID : 264330376462

Option 3 ID : 264330376463

Option 4 ID : 264330376464

Status : Answered

Chosen Option : 3

Q.45 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. 16.40 m
☒ 3. 14.50 m
☒ 4. 15.40 m

Question ID : 264330158570

Option 1 ID : 264330621642

Option 2 ID : 264330621639

Option 3 ID : 264330621641

Option 4 ID : 264330621640

Status : Answered

Chosen Option : 4

Q.46 Trapezoidal sections with rounded corners for large canals or triangular sections with circular bottoms for small canals are the most suitable sections for _____ canals.

- Ans ☒ 1. lined
☒ 2. unlined
☒ 3. semi-lined
☒ 4. earthen

Question ID : 26433099458

Option 1 ID : 264330390448

Option 2 ID : 264330390446

Option 3 ID : 264330390447

Option 4 ID : 264330390445

Status : Answered

Chosen Option : 1

Q.47 When designing steel structures, the effective length of battened compression members should be _____.

- Ans ☒ 1. increased by 10%
- ☒ 2. decreased by 10%
- ☒ 3. decreased by 20%
- ☒ 4. increased by 20%

Question ID : 264330159683

Option 1 ID : 264330626091

Option 2 ID : 264330626093

Option 3 ID : 264330626094

Option 4 ID : 264330626092

Status : Answered

Chosen Option : 1

Q.48 As a precaution in cold weather concreting, cement containing _____ should be selected.

- Ans ☒ 1. lower C3S and lower C2S
- ☒ 2. lower C3S and higher C2S
- ☒ 3. higher C3S and higher C2S
- ☒ 4. higher C3S and lower C2S

Question ID : 264330157701

Option 1 ID : 264330618166

Option 2 ID : 264330618165

Option 3 ID : 264330618164

Option 4 ID : 264330618163

Status : Answered

Chosen Option : 4

Q.49 In plane table surveys, the orientation of the table only by back sighting is preferred when _____.

- Ans ☒ 1. the traverse is too long
- ☒ 2. the plane table can be set on a point already plotted on the sheet
- ☒ 3. speed is more important than accuracy
- ☒ 4. there is no second point for orientation

Question ID : 264330160196

Option 1 ID : 264330628126

Option 2 ID : 264330628125

Option 3 ID : 264330628123

Option 4 ID : 264330628124

Status : Answered

Chosen Option : 3

Q.50 In case of a turbulent flow in a pipe, the shear stress is:

- Ans ☒ 1. maximum at the centre and decreases linearly towards the wall
- ☒ 2. maximum at the midway between the centre line and the wall
- ☒ 3. maximum at the centre and decreases logarithmically towards the wall
- ☒ 4. maximum at the wall and decreases linearly to zero at the centre

Question ID : 264330158956

Option 1 ID : 264330623183

Option 2 ID : 264330623184

Option 3 ID : 264330623186

Option 4 ID : 264330623185

Status : Answered

Chosen Option : 4

Q.51 Which of the following is NOT a property of coir fibres?

- Ans
- ☐ 1. Elasticity
 - ☐ 2. Ease to carry
 - ☒ 3. Resistance to dynamic loading
 - ☐ 4. Long service span

Question ID : 26433099401
Option 1 ID : 264330390217
Option 2 ID : 264330390218
Option 3 ID : 264330390219
Option 4 ID : 264330390220
Status : Not Answered
Chosen Option : --

Q.52 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. Work charged establishment
 - ☐ 3. Material statement
 - ☐ 4. Sundries

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

Q.53 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. C_3A
 - ☒ 2. C_2S
 - ☐ 3. C_3S
 - ☐ 4. C_4AF

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

Q.54 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. 0.70 to 0.80
 - ☒ 2. 0.60 to 0.62
 - ☐ 3. 0.81 to 0.94
 - ☐ 4. 0.95 to 0.98

Question ID : 26433091048
Option 1 ID : 264330357602
Option 2 ID : 264330357603
Option 3 ID : 264330357604
Option 4 ID : 264330357601
Status : Answered
Chosen Option : 2

Q.55 Which of the following is NOT a retarding admixture?

- Ans
- ☐ 1. Sugar
 - ☐ 2. Starch
 - ☒ 3. Calcium chloride
 - ☐ 4. Calcium sulphate

Question ID : 264330157698

Option 1 ID : 264330618154

Option 2 ID : 264330618153

Option 3 ID : 264330618152

Option 4 ID : 264330618151

Status : Answered

Chosen Option : 3

Q.56 The ratio of the total length of streams of all orders within a basin to its area is called _____.

- Ans
- ☐ 1. stream density
 - ☒ 2. drainage density
 - ☐ 3. catchment density
 - ☐ 4. stream order

Question ID : 26433095837

Option 1 ID : 264330376117

Option 2 ID : 264330376119

Option 3 ID : 264330376120

Option 4 ID : 264330376118

Status : Answered

Chosen Option : 1

Q.57 The type of signal in which the timings of the phase and cycle are changed according to traffic demand is called _____.

- Ans
- ☐ 1. manually operated signal
 - ☐ 2. fixed time signal
 - ☐ 3. pedestrian signal
 - ☒ 4. actuated traffic signal

Question ID : 264330157185

Option 1 ID : 264330616106

Option 2 ID : 264330616103

Option 3 ID : 264330616105

Option 4 ID : 264330616104

Status : Answered

Chosen Option : 4

Q.58 Which of the following statements about carbon footprint is INCORRECT?

- Ans
- ☐ 1. If you prefer to drive all the time, your carbon footprint will be higher.
 - ☒ 2. Carbon footprint is of the following three types: primary, secondary and tertiary.
 - ☐ 3. Manufacturing and transportation of consumer goods form a part of the secondary carbon footprint.
 - ☐ 4. If you choose to walk or cycle, you lessen your carbon footprint.

Question ID : 264330160676

Option 1 ID : 264330630035

Option 2 ID : 264330630037

Option 3 ID : 264330630038

Option 4 ID : 264330630036

Status : Answered

Chosen Option : 3

Q.59 Which of the following accelerating admixtures is harmful for reinforced concrete and pre-stressed concrete?

- Ans ☒ 1. Calcium chloride
☒ 2. Silicates
☒ 3. Carbonates
☒ 4. Fluorosilicates

Question ID : 264330157696

Option 1 ID : 264330618143

Option 2 ID : 264330618145

Option 3 ID : 264330618144

Option 4 ID : 264330618146

Status : Answered

Chosen Option : 4

Q.60 The painting of walls, doors and windows is measured in_____.

- Ans ☒ 1. pound
☒ 2. cubic metre
☒ 3. gram
☒ 4. square metre

Question ID : 264330159814

Option 1 ID : 264330626605

Option 2 ID : 264330626604

Option 3 ID : 264330626606

Option 4 ID : 264330626603

Status : Answered

Chosen Option : 4

Q.61 Which of the given options does NOT include solid waste?

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

Question ID : 26433096545

Option 1 ID : 264330378919

Option 2 ID : 264330378917

Option 3 ID : 264330378918

Option 4 ID : 264330378920

Status : Answered

Chosen Option : 4

Q.62 Punching shear may occur in loose sand with density less than _____.

- Ans ☒ 1. 35%
☒ 2. 65%
☒ 3. 45%
☒ 4. 55%

Question ID : 26433096809

Option 1 ID : 264330379976

Option 2 ID : 264330379973

Option 3 ID : 264330379975

Option 4 ID : 264330379974

Status : Not Answered

Chosen Option : --

Q.63 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. Over reinforced section
 - ☐ 2. under reinforced section
 - ☐ 3. Singly reinforced section
 - ☒ 4. Doubly reinforced section

Question ID : 26433099430

Option 1 ID : 264330390335

Option 2 ID : 264330390336

Option 3 ID : 264330390333

Option 4 ID : 264330390334

Status : Answered

Chosen Option : 4

Q.64 Which of the following materials is a sustainable and green building material that can be used in construction?

- Ans
- ☐ 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

Q.65 An underground water tank is to be designed. Which of the following cases is considered most appropriate for the analysis of its wall?

- Ans
- ☐ 1. The underground water tank is full
 - ☒ 2. The underground water tank is empty
 - ☐ 3. The underground water tank is $\frac{3}{4}$ full
 - ☐ 4. The underground water tank is half full

Question ID : 264330100814

Option 1 ID : 264330395802

Option 2 ID : 264330395801

Option 3 ID : 264330395804

Option 4 ID : 264330395803

Status : Answered

Chosen Option : 2

Q.66 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.67 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. 3, 1, 2, 4
- ☐ 2. 4, 1, 3, 2
- ☒ 3. 4, 3, 1, 2
- ☐ 4. 3, 2, 1, 4

Question ID : 264330160753
Option 1 ID : 264330630343
Option 2 ID : 264330630345
Option 3 ID : 264330630344
Option 4 ID : 264330630346
Status : Answered
Chosen Option : 3

Q.68 Minimum shear reinforcement is provided in an RCC beam under which of the following conditions?

- Ans ☐ 1. Nominal shear stress is greater than maximum shear stress
- ☐ 2. Nominal shear stress is greater than design shear strength of concrete but less than maximum shear stress
- ☒ 3. Nominal shear stress is less than design shear strength of concrete
- ☐ 4. Nominal shear stress is greater than design shear strength of concrete

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

Q.69 Which of the following test apparatus is used to determine initial setting time and final setting time?

- Ans ☒ 1. Vicat's apparatus
- ☐ 2. Soundness test
- ☐ 3. Air permeability test
- ☐ 4. Sieve test

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

Q.70 Which of the following is a purpose served by lintel?

- Ans ☐ 1. To join the foundation
☐ 2. To join the column at sill level
☐ 3. To support the slab
☒ 4. To support the wall above the opening

Question ID : 264330100805

Option 1 ID : 264330395765

Option 2 ID : 264330395768

Option 3 ID : 264330395766

Option 4 ID : 264330395767

Status : Answered

Chosen Option : 4

Q.71 The air vessel in a reciprocating pump is:

- Ans ☒ 1. fitted in the delivery pipe
☐ 2. fitted outside the system
☐ 3. not fitted
☐ 4. fitted ahead of the pump

Question ID : 264330158980

Option 1 ID : 264330623279

Option 2 ID : 264330623281

Option 3 ID : 264330623282

Option 4 ID : 264330623280

Status : Answered

Chosen Option : 4

Q.72 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 iv
☐ 2. i, ii, iii and iv
☐ 3. Only i and iii
☒ 4. Only ii and iii

Question ID : 264330122653

Option 1 ID : 264330480725

Option 2 ID : 264330480724

Option 3 ID : 264330480726

Option 4 ID : 264330480723

Status : Answered

Chosen Option : 4

Q.73 Which of the following is NOT a disadvantage of using rods and bars as a tension member of steel structures?

- Ans ☐ 1. Sag under own weight
☒ 2. Tensile strength
☐ 3. Inadequate stiffness
☐ 4. High slenderness ratio

Question ID : 264330159704

Option 1 ID : 264330626177

Option 2 ID : 264330626175

Option 3 ID : 264330626176

Option 4 ID : 264330626178

Status : Answered

Chosen Option : 2

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

- Ans ☒ 1. reflector unit marking
☐ 2. kerb marking
☐ 3. pavement marking
☐ 4. object marking

Question ID : 264330157175

Option 1 ID : 264330616065

Option 2 ID : 264330616064

Option 3 ID : 264330616066

Option 4 ID : 264330616063

Status : Answered

Chosen Option : 1

Q.75 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. Graphical scale
☐ 2. Engineer's scale and graphical scale
☐ 3. Representative fraction and graphical scale
☒ 4. Engineer's scale and representative fraction

Question ID : 264330160591

Option 1 ID : 264330629695

Option 2 ID : 264330629698

Option 3 ID : 264330629697

Option 4 ID : 264330629696

Status : Answered

Chosen Option : 1

Q.76 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. $f = 0.3$ m, $i = 0.12$ mm, $d = 20$ cm
☒ 2. $f = 0.3$ m, $i = 12$ mm, $d = 20$ cm
☐ 3. $f = 0.3$ m, $i = 1.2$ mm, $d = 20$ cm
☐ 4. $f = 0.2$ m, $i = 12$ mm, $d = 30$ cm

Question ID : 264330160623

Option 1 ID : 264330629825

Option 2 ID : 264330629823

Option 3 ID : 264330629826

Option 4 ID : 264330629824

Status : Answered

Chosen Option : 2

Q.77 Which of the following is NOT a way by which traffic volume data is presented?

- Ans ☐ 1. AADT in traffic engineering
☐ 2. The pattern of traffic
☒ 3. Modal average
☐ 4. Traffic Variation charts

Question ID : 264330176257

Option 1 ID : 264330691303

Option 2 ID : 264330691305

Option 3 ID : 264330691306

Option 4 ID : 264330691304

Status : Answered

Chosen Option : 2

Q.78 The mantle layer exists from the base of the crust layer to a depth of about _____.

- Ans
- ☐ 1. 2,600 km
 - ☐ 2. 2,700 km
 - ☐ 3. 2,800 km
 - ☒ 4. 2,900 km

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

Q.79 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. only buckling
 - ☐ 2. only crushing
 - ☒ 3. a mixed mode of buckling and crushing
 - ☐ 4. The steel column will not fail but remain unstable.

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

Q.80 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. 5.25 m
 - ☐ 2. 5.95 m
 - ☒ 3. 5.65 m
 - ☐ 4. 6.31 m

Question ID : 26433091058
Option 1 ID : 264330357641
Option 2 ID : 264330357642
Option 3 ID : 264330357643
Option 4 ID : 264330357644
Status : Answered
Chosen Option : 3

Q.81 A magnetic compass can be used to measure _____.

- Ans
- ☒ 1. both magnetic meridian and magnetic bearing
 - ☐ 2. magnetic meridian, magnetic bearing and arbitrary bearing
 - ☐ 3. magnetic bearing only
 - ☐ 4. magnetic meridian only

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

Q.82 The distance travelled by an electromagnetic wave in one second is called _____.

- Ans
- ☐ 1. wave length
 - ☐ 2. period
 - ☒ 3. wave velocity
 - ☐ 4. frequency

Question ID : 264330159297

Option 1 ID : 264330624547

Option 2 ID : 264330624549

Option 3 ID : 264330624550

Option 4 ID : 264330624548

Status : Answered

Chosen Option : 3

Q.83 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 gaseous substance coming out of an outlet
 - ☒ 3. Any solid or liquid or gaseous substance coming out of any chimney, duct or flue or any other outlet
 - ☐ 4. Only the liquid substance coming out of an outlet

Question ID : 264330160680

Option 1 ID : 264330630051

Option 2 ID : 264330630053

Option 3 ID : 264330630054

Option 4 ID : 264330630052

Status : Answered

Chosen Option : 3

Q.84 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. 3.1
 - ☐ 4. 2.8

Question ID : 264330159670

Option 1 ID : 264330626041

Option 2 ID : 264330626042

Option 3 ID : 264330626040

Option 4 ID : 264330626039

Status : Answered

Chosen Option : 3

Q.85 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. 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^2 .

Question ID : 264330158975

Option 1 ID : 264330623259

Option 2 ID : 264330623260

Option 3 ID : 264330623262

Option 4 ID : 264330623261

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.86 The least count of a theodolite is _____.

- Ans
- ☐ 1. 1 hour
 - ☐ 2. 1 minute
 - ☐ 3. 1 millisecond
 - ☒ 4. 1 second

Question ID : 264330160584

Option 1 ID : 264330629670

Option 2 ID : 264330629668

Option 3 ID : 264330629669

Option 4 ID : 264330629667

Status : Answered

Chosen Option : 2

Q.87 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. 1406.25 kN
 - ☐ 2. 14.0625 kN
 - ☒ 3. 140.625 kN
 - ☐ 4. 1.40625 kN

Question ID : 264330100823

Option 1 ID : 264330395839

Option 2 ID : 264330395838

Option 3 ID : 264330395837

Option 4 ID : 264330395840

Status : Answered

Chosen Option : 3

Q.88 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 _____.

- Ans
- ☒ 1. sowing and harvesting of a crop
 - ☐ 2. preparation of land and last watering before harvesting a crop
 - ☐ 3. sowing and the last watering before harvesting a crop
 - ☐ 4. preparation of land and sowing

Question ID : 264330158538

Option 1 ID : 264330621511

Option 2 ID : 264330621513

Option 3 ID : 264330621512

Option 4 ID : 264330621514

Status : Answered

Chosen Option : 1

Q.89 Which of the following statements regarding Portland Pozzolana Cement (PPC) is INCORRECT?

- Ans
- ☐ 1. 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.
 - ☒ 2. PPC produces more heat of hydration than ordinary Portland cement.
 - ☐ 3. PPC is useful in marine and hydraulic structures.
 - ☐ 4. Fly ash is a pozzolanic material used for the manufacture of PPC.

Question ID : 264330157684

Option 1 ID : 264330618098

Option 2 ID : 264330618097

Option 3 ID : 264330618095

Option 4 ID : 264330618096

Status : Answered

Chosen Option : 2

Q.90 Which of the following options represents the satellite-based positioning systems run by Russia?

- Ans ☒ 1. TSIKADA and GLONASS
☐ 2. TSIKADA and GPS
☐ 3. TRANSIT and GLONASS
☐ 4. GPS and GLONASS

Question ID : 264330160587

Option 1 ID : 264330629680

Option 2 ID : 264330629681

Option 3 ID : 264330629682

Option 4 ID : 264330629679

Status : Not Answered

Chosen Option : --

Q.91 The maximum value of the radius of gyration is obtained if a material _____.

- Ans ☐ 1. is placed at the centroid
☐ 2. is placed nearest the centroid
☒ 3. is placed farthest from the centroid
☐ 4. has the maximum area

Question ID : 264330159684

Option 1 ID : 264330626096

Option 2 ID : 264330626095

Option 3 ID : 264330626097

Option 4 ID : 264330626098

Status : Answered

Chosen Option : 3

Q.92 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

- Ans ☐ 1. Both i and ii
☒ 2. Both iii and iv
☐ 3. Both i and iv
☐ 4. Both ii and iii

Question ID : 26433086539

Option 1 ID : 264330339797

Option 2 ID : 264330339799

Option 3 ID : 264330339800

Option 4 ID : 264330339798

Status : Answered

Chosen Option : 2

Q.93 Sprinkler irrigation is the best method of irrigation for standing crops in _____ in fields.

- Ans ☒ 1. undulating sandy soil
☐ 2. heavy soil with low infiltration rate
☐ 3. alluvial soil
☐ 4. level surface

Question ID : 26433099443

Option 1 ID : 264330390387

Option 2 ID : 264330390385

Option 3 ID : 264330390388

Option 4 ID : 264330390386

Status : Answered

Chosen Option : 1

Q.94 For field compaction of soil, in cohesive soil the combination of tamping action and kneading action on soil is achieved by:

- Ans
- ☐ 1. frog rammers
 - ☐ 2. pneumatic-tired 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 : 2

Q.95 If the cohesion value of soil is zero, the Mohr envelope will pass through:

- Ans
- ☐ 1. some distance on positive y-axis
 - ☒ 2. The origin
 - ☐ 3. some distance on negative x-axis
 - ☐ 4. some distance on positive x-axis

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

Q.96 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. 30 mm
 - ☐ 2. 10 mm
 - ☐ 3. 45 mm
 - ☐ 4. 75 mm

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

Q.97 For cast in situ lining, identify the false statement.

- Ans
- ☐ 1. It has a longer life than that of any other type.
 - ☒ 2. The recurring maintenance charges are high.
 - ☐ 3. It is most resistant to erosion.
 - ☐ 4. It has a higher initial cost.

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

Q.98 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, but statement 2 is not the correct explanation of statement 1

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

☒ 4. Statement 1 is false and statement 2 is true

Question ID : 26433099448

Option 1 ID : 264330390407

Option 2 ID : 264330390406

Option 3 ID : 264330390405

Option 4 ID : 264330390408

Status : Answered

Chosen Option : 2

Q.99 Which of the following traffic sources will cause noise of the highest level during operation?

Ans ☒ 1. Road traffic

☒ 2. Rail traffic

☒ 3. Inland water traffic

☒ 4. Jet aircraft at the take-off stage

Question ID : 26433099407

Option 1 ID : 264330390243

Option 2 ID : 264330390242

Option 3 ID : 264330390244

Option 4 ID : 264330390241

Status : Answered

Chosen Option : 4

Q.100 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 _____.

Ans ☒ 1. S 24° 20' W

☒ 2. S 65° 40' W

☒ 3. S 65° 40' E

☒ 4. S 24° 20' E

Question ID : 264330160598

Option 1 ID : 264330629724

Option 2 ID : 264330629726

Option 3 ID : 264330629725

Option 4 ID : 264330629723

Status : Answered

Chosen Option : 4