

SSC JE 2023 Oct 11 Shift 1 Civil Question Paper with Answers

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

Section : General Intelligence and Reasoning

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

- Ans
- ☒ 1. 50 km
 - ☒ 2. 30 km
 - ☒ 3. 40 km
 - ☒ 4. 20 km

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

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

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

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

Q.3 Select the pair that follows the same pattern as that followed by the given two sets of pairs.

Both pairs follow the same pattern.

GIK : TRP

NPR : MKI

Ans ☒ 1. DFH : WUS

☐ 2. VTR : PNL

☐ 3. NPQ : CEG

☐ 4. EGI : UWY

Question ID : 264330130717

Option 1 ID : 264330511979

Option 2 ID : 264330511982

Option 3 ID : 264330511981

Option 4 ID : 264330511980

Status : Answered

Chosen Option : 1

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

Ans ☐ 1. 69

☐ 2. 25

☐ 3. 54

☒ 4. 60

Question ID : 264330144585

Option 1 ID : 264330566596

Option 2 ID : 264330566595

Option 3 ID : 264330566598

Option 4 ID : 264330566597

Status : Not Answered

Chosen Option : --

Q.5 If '+' means '-', '-' means '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. 161

☒ 2. 149

☐ 3. 136

☐ 4. 158

Question ID : 264330126062

Option 1 ID : 264330493923

Option 2 ID : 264330493920

Option 3 ID : 264330493921

Option 4 ID : 264330493922

Status : Answered

Chosen Option : 2

Q.6 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Forty
2. Fortify
3. Forum
4. Forte
5. Fortitude

Ans ☒ 1. 42513

☒ 2. 45231

☒ 3. 35421

☒ 4. 34521

Question ID : 264330132079

Option 1 ID : 264330517414

Option 2 ID : 264330517412

Option 3 ID : 264330517413

Option 4 ID : 264330517411

Status : Answered

Chosen Option : 1

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

JPWL, MGAF, PXEZ, ?, VFMN

Ans ☒ 1. RPIT

☒ 2. ROIT

☒ 3. SOIT

☒ 4. SPIT

Question ID : 264330144631

Option 1 ID : 264330566779

Option 2 ID : 264330566781

Option 3 ID : 264330566782

Option 4 ID : 264330566780

Status : Answered

Chosen Option : 3

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

Ans ☒ 1. 30-12-74-24-12-92

☒ 2. 14-4-76-32-20-84

☒ 3. 12-4-76-32-20-92

☒ 4. 12-4-76-32-12-92

Question ID : 264330136377

Option 1 ID : 264330534275

Option 2 ID : 264330534278

Option 3 ID : 264330534276

Option 4 ID : 264330534277

Status : Answered

Chosen Option : 3

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

- Ans ☒ 1. 67
☐ 2. 69
☐ 3. 63
☐ 4. 71

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

Q.10 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', what will come in place of the question mark?
 $50 - 6 \div 8 + 24 \times 6 = ?$

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

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

Q.11 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Clay : Pottery :: Sand : ?

- Ans ☒ 1. Glass
☐ 2. Crystals
☐ 3. Paper
☐ 4. Shore

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

Q.12 Select the word-pair in which the two words are related in the same way as are the two words in the given pair.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Sweet Potato : Root

- Ans ☒ 1. Wheat : Pulse
☒ 2. Pepper : Spice
☒ 3. Milk : Protein
☒ 4. Butter : Milk

Question ID : 264330117397

Option 1 ID : 264330461630

Option 2 ID : 264330461629

Option 3 ID : 264330461631

Option 4 ID : 264330461632

Status : Answered

Chosen Option : 2

Q.13 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All birds are cows.
Some cows are dogs.

Conclusions:

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

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

Question ID : 264330144636

Option 1 ID : 264330566802

Option 2 ID : 264330566800

Option 3 ID : 264330566799

Option 4 ID : 264330566801

Status : Answered

Chosen Option : 2

Q.14 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Grasshopper
2. Whale
3. Beetle
4. Crocodile
5. Frog

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

Question ID : 26433074676

Option 1 ID : 264330292793

Option 2 ID : 264330292792

Option 3 ID : 264330292795

Option 4 ID : 264330292794

Status : Answered

Chosen Option : 2

Q.15 In the following statements A, B, C, D and E denotes $+$, $-$, $\times$, $\div$ and $=$, respectively. Which of the statement is correct?

- Ans ☒ 1. $8A6C5D15E14B4$
☒ 2. $8A6C3D15E14B4$
☒ 3. $8A6C5D15E24B4$
☒ 4. $8A6C5D15B14E4$

Question ID : 264330129582

Option 1 ID : 264330507697

Option 2 ID : 264330507696

Option 3 ID : 264330507695

Option 4 ID : 264330507694

Status : Answered

Chosen Option : 1

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



- Ans ☒ 1. $9V4E3IA$
☒ 2. $9V4E3IA$
☒ 3. $9V4E3IA$
☒ 4. $9V4E3IA$

Question ID : 26433058087

Option 1 ID : 264330227334

Option 2 ID : 264330227333

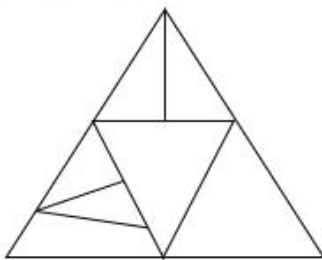
Option 3 ID : 264330227335

Option 4 ID : 264330227332

Status : Answered

Chosen Option : 3

Q.17 How many triangles are there in the given figure?



- Ans ☒ 1. 7
☒ 2. 9
☒ 3. 8
☒ 4. 10

Question ID : 26433068137

Option 1 ID : 264330267063

Option 2 ID : 264330267061

Option 3 ID : 264330267060

Option 4 ID : 264330267062

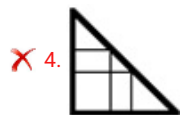
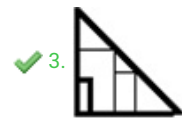
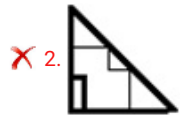
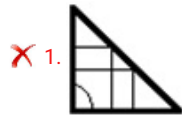
Status : Answered

Chosen Option : 4

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



Ans



Question ID : 26433074809

Option 1 ID : 264330293324

Option 2 ID : 264330293327

Option 3 ID : 264330293325

Option 4 ID : 264330293326

Status : Answered

Chosen Option : 3

Q.19 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

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

Ans ✗ 1. 6, 2, 3, 4, 1, 5

✗ 2. 2, 6, 1, 3, 4, 5

✓ 3. 2, 6, 3, 1, 4, 5

✗ 4. 6, 3, 2, 1, 4, 5

Question ID : 264330129471

Option 1 ID : 264330507252

Option 2 ID : 264330507251

Option 3 ID : 264330507250

Option 4 ID : 264330507253

Status : Answered

Chosen Option : 3

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

G F @ ? 4 K S

M
|
N

Ans

✓ 1. 2 X 4 ? 9 7 9

✗ 2. 2 X 4 ? 9 7 9

✗ 3. 2 X 4 ? 9 7 9

✗ 4. 2 X 4 ; 9 7 9

Question ID : 264330144786

Option 1 ID : 264330567400

Option 2 ID : 264330567402

Option 3 ID : 264330567399

Option 4 ID : 264330567401

Status : Answered

Chosen Option : 1

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

Ans

✓ 1. 104

✗ 2. 115

✗ 3. 109

✗ 4. 112

Question ID : 264330144550

Option 1 ID : 264330566458

Option 2 ID : 264330566455

Option 3 ID : 264330566456

Option 4 ID : 264330566457

Status : Not Answered

Chosen Option : --

Q.22 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

et6ryQpup

P
|
Q

Ans

✗ 1. b u q O y l d t e

✓ 2. q u q O y r d t e

✗ 3. q u q O y l d t e

✗ 4. q u q O y r d f e

Question ID : 264330144803

Option 1 ID : 264330567469

Option 2 ID : 264330567468

Option 3 ID : 264330567467

Option 4 ID : 264330567470

Status : Answered

Chosen Option : 2

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

Ans

✗ 1. Son

✓ 2. Sister

✗ 3. Daughter

✗ 4. Sister's daughter

Question ID : 264330131400

Option 1 ID : 264330514713

Option 2 ID : 264330514711

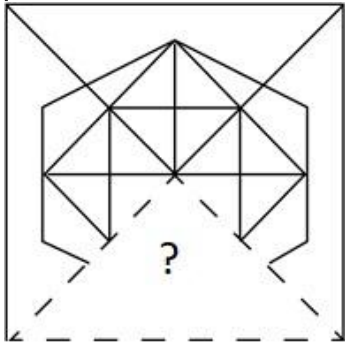
Option 3 ID : 264330514712

Option 4 ID : 264330514714

Status : Answered

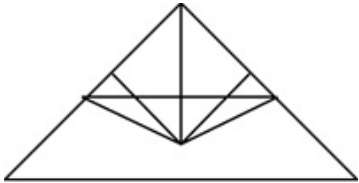
Chosen Option : 2

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

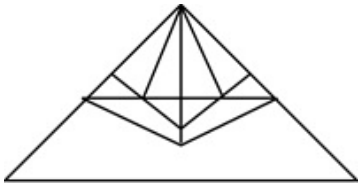


Ans

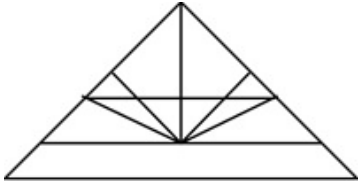
✗ 1.



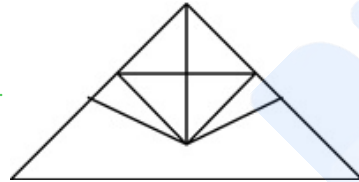
✗ 2.



✗ 3.



✓ 4.



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

Status : Answered

Chosen Option : 1

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

- Ans ☒ 1. B
 ☒ 2. C
 ☒ 3. A
 ☒ 4. D

Question ID : 26433080716

Option 1 ID : 264330316800

Option 2 ID : 264330316799

Option 3 ID : 264330316797

Option 4 ID : 264330316798

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

Chosen Option : --

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

WARD, WERD, ? , WORD, WURD

- Ans ☒ 1. WLRD
 ☒ 2. WKRD
 ☒ 3. WIRD
 ☒ 4. WJRD

Question ID : 264330144520

Option 1 ID : 264330566338

Option 2 ID : 264330566337

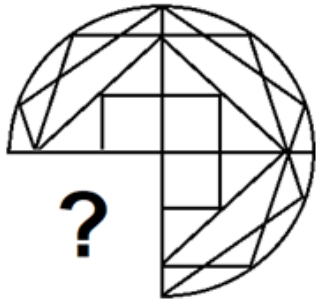
Option 3 ID : 264330566336

Option 4 ID : 264330566335

Status : **Answered**

Chosen Option : 3

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

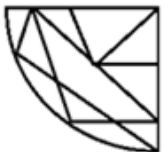


Ans

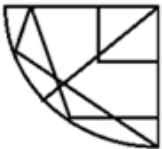
☒ 1.



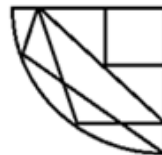
☒ 2.



☒ 3.



☒ 4.



Question ID : 264330129659

Option 1 ID : 264330508002

Option 2 ID : 264330508004

Option 3 ID : 264330508005

Option 4 ID : 264330508003

Status : Answered

Chosen Option : 4

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

Ans ☒ 1. UVWZ

☒ 2. VWXY

☒ 3. UVXY

☒ 4. VWYX

Question ID : 26433089477

Option 1 ID : 264330351409

Option 2 ID : 264330351410

Option 3 ID : 264330351412

Option 4 ID : 264330351411

Status : Answered

Chosen Option : 3

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

- Ans ☒ 1. 15 km, west
☐ 2. 15 km, north
☐ 3. 15 km, east
☐ 4. 15 km, south

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

Q.30 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
26 : 375 :: 41 : 600 :: 53 : ?

- Ans ☐ 1. 790
☐ 2. 785
☒ 3. 780
☐ 4. 765

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

Q.31 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 5, 25)

(8, 3, 37)

- Ans ☐ 1. (2, 6, 45)
☐ 2. (6, 4, 75)
☒ 3. (9, 1, 44)
☐ 4. (8, 7, 32)

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

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

- Ans ☒ 1. 118
☒ 2. 108
☒ 3. 126
☒ 4. 112

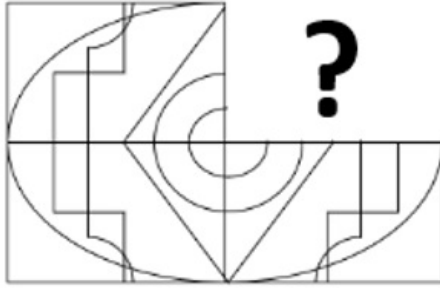
Question ID : 26433092703
Option 1 ID : 264330364101
Option 2 ID : 264330364103
Option 3 ID : 264330364102
Option 4 ID : 264330364104
Status : Answered
Chosen Option : 2

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

- Ans ☒ 1. 11
☒ 2. 12
☒ 3. 9
☒ 4. 8

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

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



Ans



Question ID : 26433068400
 Option 1 ID : 264330268114
 Option 2 ID : 264330268115
 Option 3 ID : 264330268113
 Option 4 ID : 264330268112

Status : Answered

Chosen Option : 1

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

Ans ✗ 1. 20

✓ 2. 10

✗ 3. 30

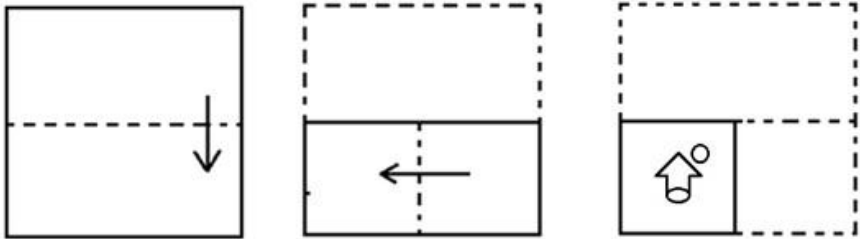
✗ 4. 15

Question ID : 26433067677
 Option 1 ID : 264330265221
 Option 2 ID : 264330265223
 Option 3 ID : 264330265222
 Option 4 ID : 264330265220

Status : Answered

Chosen Option : 2

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



Ans

- ✖ 1.
- ✖ 2.
- ✖ 3.
- ✔ 4.

Question ID : 264330103211

Option 1 ID : 264330405149

Option 2 ID : 264330405152

Option 3 ID : 264330405150

Option 4 ID : 264330405151

Status : Answered

Chosen Option : 4

Q.37 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Frighten
2. Filigree
3. Festive
4. Familiar
5. Filibuster
6. Freight

Ans ☒ 1. 4, 5, 3, 2, 1, 6

☒ 2. 4, 3, 5, 2, 6, 1

☒ 3. 4, 3, 2, 5, 6, 1

☒ 4. 4, 3, 5, 2, 1, 6

Question ID : 264330129468

Option 1 ID : 264330507241

Option 2 ID : 264330507240

Option 3 ID : 264330507239

Option 4 ID : 264330507238

Status : Answered

Chosen Option : 2

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

BOMP, DPOQ, ?, HRSS,

Ans ☒ 1. FQQR

☒ 2. FQRR

☒ 3. FQQS

☒ 4. FPQR

Question ID : 264330144522

Option 1 ID : 264330566346

Option 2 ID : 264330566344

Option 3 ID : 264330566345

Option 4 ID : 264330566343

Status : Answered

Chosen Option : 1

Q.39 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. TPE

☒ 2. SOF

☒ 3. SOE

☒ 4. TSE

Question ID : 264330144563

Option 1 ID : 264330566508

Option 2 ID : 264330566509

Option 3 ID : 264330566510

Option 4 ID : 264330566507

Status : Answered

Chosen Option : 3

Q.40 एक कॉलेज की वाद-विवाद प्रतियोगिता में, छह छात्राओं - सविता, कविता, नमिता, दीया, पिया और रिया को 2 बराबर टीमों में बांटा गया है, जिनके बीच प्रतियोगिता होनी है। प्रत्येक टीम में बराबर सदस्य हैं, और दोनों टीमों दो पंक्तियों में एक-दूसरे के सामने-सामने बैठी हैं। पिया किसी भी पंक्ति के सिरे पर नहीं बैठी है। कविता, रिया के ठीक बगल में बैठी है। दीया, रिया के बाईं ओर दूसरे स्थान पर बैठी है। पिया के ठीक बगल में बैठी नमिता, दीया के विकर्णतः सामने बैठी है। निम्नलिखित में से कौन एक-दूसरे के विकर्णतः सामने बैठी हैं?

- Ans
- ☒ 1. सविता और पिया
 - ☒ 2. दीया और पिया
 - ☒ 3. पिया और कविता
 - ☒ 4. रिया और सविता

Question ID : 26433085701

Option 1 ID : 264330336505

Option 2 ID : 264330336507

Option 3 ID : 264330336508

Option 4 ID : 264330336506

Status : Not Answered

Chosen Option : --

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

Statements:

No pumpkin is a guava.

No guava is a pea.

Some peas are potatoes.

Conclusions:

(I) Some pumpkins are potatoes.

(II) Some peas are pumpkins.

(III) Some pumpkins are not potatoes.

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

Question ID : 264330144542

Option 1 ID : 264330566425

Option 2 ID : 264330566423

Option 3 ID : 264330566424

Option 4 ID : 264330566426

Status : Answered

Chosen Option : 1

Q.42 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
12 : 137 :: 8 : ? :: 5 : 18

- Ans ☒ 1. 57
☐ 2. 49
☐ 3. 43
☐ 4. 61

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

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

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

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

Q.44 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Robbers : Gang :: Players : ?

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

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

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

- Ans ☒ 1. Son
☒ 2. Brother
☒ 3. Sister
☒ 4. Father

Question ID : 26433065962

Option 1 ID : 264330258392

Option 2 ID : 264330258395

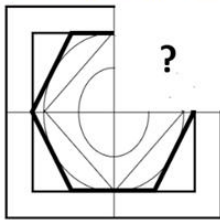
Option 3 ID : 264330258393

Option 4 ID : 264330258394

Status : Answered

Chosen Option : 1

Q.46 Select the option figure that will replace the question mark (?) in the given figure to complete the pattern.



Ans

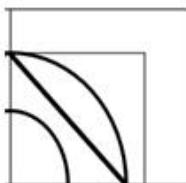
☒ 1.



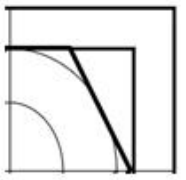
☒ 2.



☒ 3.



☒ 4.



Question ID : 26433068858

Option 1 ID : 264330269946

Option 2 ID : 264330269945

Option 3 ID : 264330269947

Option 4 ID : 264330269944

Status : Answered

Chosen Option : 2

Q.47 Select the option that is related to the third word in the same way as the second word is related to the first word.

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

Attraction : Repulsion :: Vertical : ?

- Ans ☒ 1. Line
☒ 2. Horizontal
☒ 3. Diagonal
☒ 4. Circle

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

Q.48 Select the set in which the numbers are related in the same way as are the numbers of the following set.

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

(9, 162, 6)

(12, 72, 2)

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

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

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

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

- Ans ☒ 1. H J H J
☒ 2. H J H H
☒ 3. H J J H
☒ 4. H H J J

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

Q.50 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
21 : 152 :: 19 : ? :: 11 : 82

- Ans
- ☒ 1. 182
 - ☒ 2. 128
 - ☒ 3. 183
 - ☒ 4. 138

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

Section : General Awareness

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

- Ans
- ☒ 1. किराना घराना
 - ☒ 2. भिंडी बाजार घराना
 - ☒ 3. आगरा घराना
 - ☒ 4. ग्वालियर घराना

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

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

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

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

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

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

Question ID : 264330119252

Option 1 ID : 264330467297

Option 2 ID : 264330467296

Option 3 ID : 264330467295

Option 4 ID : 264330467298

Status : **Marked For Review**

Chosen Option : 1

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

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

Question ID : 264330137312

Option 1 ID : 264330537877

Option 2 ID : 264330537876

Option 3 ID : 264330537875

Option 4 ID : 264330537878

Status : **Marked For Review**

Chosen Option : 2

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

- Ans ☐ 1. $P_{\text{Total}} = p_1 + p_2 + p_3 + \text{_____}$ (at constant T, 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 V, P)
☒ 4. $P_{\text{Total}} = p_1 + p_2 + p_3 + \text{_____}$ (at constant T, V)

Question ID : 264330131693

Option 1 ID : 264330515872

Option 2 ID : 264330515873

Option 3 ID : 264330515871

Option 4 ID : 264330515874

Status : **Answered**

Chosen Option : 4

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

- Ans ☐ 1. Lord Ellenborough
☐ 2. Lord Dalhousie
☒ 3. Lord Auckland
☐ 4. Lord Lytton

Question ID : 264330109042

Option 1 ID : 264330428446

Option 2 ID : 264330428448

Option 3 ID : 264330428445

Option 4 ID : 264330428447

Status : **Not Answered**

Chosen Option : --

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

Ans ☒ 1. Naphthalene

☒ 2. Tropone

☒ 3. Benzene

☒ 4. Aniline

Question ID : 264330131669

Option 1 ID : 264330515778

Option 2 ID : 264330515776

Option 3 ID : 264330515777

Option 4 ID : 264330515775

Status : Answered

Chosen Option : 2

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

Ans ☒ 1. Leopold Gmelin

☒ 2. Carl Wilhelm Scheele

☒ 3. Jabir Ibn Hayyan

☒ 4. Alexander William Williamson

Question ID : 264330141683

Option 1 ID : 264330555052

Option 2 ID : 264330555054

Option 3 ID : 264330555051

Option 4 ID : 264330555053

Status : Not Answered

Chosen Option : --

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

Ans ☒ 1. 5

☒ 2. 3

☒ 3. 9

☒ 4. 7

Question ID : 26433072654

Option 1 ID : 264330284877

Option 2 ID : 264330284876

Option 3 ID : 264330284879

Option 4 ID : 264330284878

Status : Not Answered

Chosen Option : --

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

Ans ☒ 1. Friedrich Mohs

☒ 2. Clair C Patterson

☒ 3. Arthur Holmes

☒ 4. Alfred Wegener

Question ID : 264330141742

Option 1 ID : 264330555287

Option 2 ID : 264330555289

Option 3 ID : 264330555288

Option 4 ID : 264330555290

Status : Not Answered

Chosen Option : --

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

- Ans ☒ 1. 818
☒ 2. 618
☒ 3. 777
☒ 4. 534

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

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

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

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

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

- Ans ☒ 1. M1
☒ 2. M4
☒ 3. M3
☒ 4. M2

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

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

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

Question ID : 264330130580

Option 1 ID : 264330511434

Option 2 ID : 264330511433

Option 3 ID : 264330511431

Option 4 ID : 264330511432

Status : Not Answered

Chosen Option : --

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

- Ans
- ☒ 1. central and western Asia
 - ☐ 2. central and southern Asia
 - ☐ 3. western and eastern Asia
 - ☐ 4. central and northern Asia

Question ID : 264330145259

Option 1 ID : 264330569291

Option 2 ID : 264330569294

Option 3 ID : 264330569293

Option 4 ID : 264330569292

Status : Answered

Chosen Option : 4

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

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

Question ID : 264330113362

Option 1 ID : 264330445534

Option 2 ID : 264330445536

Option 3 ID : 264330445533

Option 4 ID : 264330445535

Status : Answered

Chosen Option : 1

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

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

Question ID : 26433089137

Option 1 ID : 264330350066

Option 2 ID : 264330350067

Option 3 ID : 264330350068

Option 4 ID : 264330350065

Status : Marked For Review

Chosen Option : 1

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

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

Question ID : 264330120162

Option 1 ID : 264330470903

Option 2 ID : 264330470905

Option 3 ID : 264330470906

Option 4 ID : 264330470904

Status : Not Answered

Chosen Option : --

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

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

Question ID : 264330137294

Option 1 ID : 264330537806

Option 2 ID : 264330537805

Option 3 ID : 264330537804

Option 4 ID : 264330537803

Status : Answered

Chosen Option : 3

Q.20 Osmosis is a diffusion movement of _____.

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

Question ID : 264330113335

Option 1 ID : 264330445425

Option 2 ID : 264330445427

Option 3 ID : 264330445428

Option 4 ID : 264330445426

Status : Answered

Chosen Option : 2

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

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

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

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

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

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

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

- Ans ☒ 1. Training to Rural Youth for Self Employment (TRYSEM)
☒ 2. Rural-Landless Employment Guarantee Programme (RLEGP)
☒ 3. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)
☒ 4. Jawahar Rozgar Yojana (JRY)

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

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

- Ans
- ☒ 1. 13
 - ☒ 2. 12
 - ☒ 3. 10
 - ☒ 4. 11

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

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

- Ans
- ☒ 1. *Saccharomyces boulardii*
 - ☒ 2. *Saccharomyces cerevisiae*
 - ☒ 3. *Schizosaccharomyces pombe*
 - ☒ 4. *Candida albicans*

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

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

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

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

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

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

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

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

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

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

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

Column-A (Elements)

- a. Hydrogen
b. Helium
c. Beryllium
d. Boron

Column-B (Group in Periodic Table)

- i. Group-13
ii. Group-2
iii. Group-1
iv. Group-18

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

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

Q.30 According to the Census 2011, arrange the following states/union territories on the basis of literacy rates, in ascending order.

- A) Mizoram
B) Lakshadweep
C) Kerala

- Ans ☐ 1. (B), (A), (C)
☐ 2. (A), (C), (B)
☐ 3. (C), (B), (A)
☒ 4. (A), (B), (C)

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

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

- Ans
- ☐ 1. The email font style
 - ☐ 2. The email sender's name
 - ☐ 3. The email attachment
 - ☒ 4. The email subject line

Question ID : 264330168576

Option 1 ID : 264330661118

Option 2 ID : 264330661116

Option 3 ID : 264330661117

Option 4 ID : 264330661115

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330117812

Option 1 ID : 264330463066

Option 2 ID : 264330463064

Option 3 ID : 264330463065

Option 4 ID : 264330463063

Status : Not Answered

Chosen Option : --

Q.33 Select the INCORRECT statement about HDL.

- Ans
- ☐ 1. It absorbs cholesterol in the blood and carries it back to the liver.
 - ☐ 2. It is considered as good cholesterol.
 - ☒ 3. High levels of HDL cholesterol raise the risk for heart diseases and stroke.
 - ☐ 4. 'HDL' stands for High-Density Lipoprotein.

Question ID : 264330112839

Option 1 ID : 264330443444

Option 2 ID : 264330443442

Option 3 ID : 264330443443

Option 4 ID : 264330443441

Status : Marked For Review

Chosen Option : 4

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

- Ans
- ☐ 1. Residual List
 - ☐ 2. Concurrent list
 - ☒ 3. Union list
 - ☐ 4. State list

Question ID : 264330130487

Option 1 ID : 264330511062

Option 2 ID : 264330511061

Option 3 ID : 264330511060

Option 4 ID : 264330511059

Status : Answered

Chosen Option : 3

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

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

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

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

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

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

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

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

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

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

- Ans
- ☒ 1. EF
 - ☒ 2. Aw
 - ☒ 3. BSk
 - ☒ 4. Cfb

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

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

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

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

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

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

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

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

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

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

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

- Ans
- ☐ 1. 2026
 - ☒ 2. 2023
 - ☐ 3. 2028
 - ☐ 4. 2022

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

Q.43 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-b, 2-a, 3-c

☒ 2. 1-c, 2-a, 3-b

☒ 3. 1-a, 2-b, 3-c

☒ 4. 1-b, 2-c, 3-a

Question ID : 264330132724

Option 1 ID : 264330519992

Option 2 ID : 264330519994

Option 3 ID : 264330519991

Option 4 ID : 264330519993

Status : Answered

Chosen Option : 1

Q.44 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 : 3

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

Ans ☒ 1. ₹2,50,000

☒ 2. ₹10,00,000

☒ 3. ₹15,00,000

☒ 4. ₹5,00,000

Question ID : 264330156936

Option 1 ID : 264330615122

Option 2 ID : 264330615120

Option 3 ID : 264330615121

Option 4 ID : 264330615119

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330109930

Option 1 ID : 264330431998

Option 2 ID : 264330431999

Option 3 ID : 264330432000

Option 4 ID : 264330431997

Status : Not Answered

Chosen Option : --

Q.47 Match the following columns.

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-a, ii-b, iii-c, iv-d
 - ☒ 2. i-b, ii-c, iii-d, iv-a
 - ☐ 3. i-a, ii-c, iii-b, iv-d
 - ☐ 4. i-d, ii-c, iii-b, iv-a

Question ID : 264330119748

Option 1 ID : 264330469267

Option 2 ID : 264330469269

Option 3 ID : 264330469268

Option 4 ID : 264330469270

Status : Answered

Chosen Option : 2

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

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

Question ID : 264330112158

Option 1 ID : 264330440720

Option 2 ID : 264330440718

Option 3 ID : 264330440717

Option 4 ID : 264330440719

Status : Not Answered

Chosen Option : --

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

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

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

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

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

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

Section : General Engineering Civil and Structural

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

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

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

Q.2 Proper experimental knowledge about the porosity and water absorption capacity of a coarse aggregate is required as 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. (i), (ii), and (iii)

☐ 2. Both (i) and (ii)

☐ 3. Only (ii)

☐ 4. Only (i)

Question ID : 264330100157

Option 1 ID : 264330393204

Option 2 ID : 264330393203

Option 3 ID : 264330393202

Option 4 ID : 264330393201

Status : Answered

Chosen Option : 1

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

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

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

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

☒ 4. the same in each pipe

Question ID : 264330158938

Option 1 ID : 264330623113

Option 2 ID : 264330623114

Option 3 ID : 264330623111

Option 4 ID : 264330623112

Status : Answered

Chosen Option : 4

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

Ans ☐ 1. 75 mm

☐ 2. 10 mm

☐ 3. 45 mm

☒ 4. 30 mm

Question ID : 26433099387

Option 1 ID : 264330390162

Option 2 ID : 264330390163

Option 3 ID : 264330390161

Option 4 ID : 264330390164

Status : Answered

Chosen Option : 4

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

- Ans
- ☒ 1. Bar bending schedule
 - ☐ 2. Material statement
 - ☐ 3. Sundries
 - ☐ 4. Work charged establishment

Question ID : 264330159821

Option 1 ID : 264330626633

Option 2 ID : 264330626634

Option 3 ID : 264330626632

Option 4 ID : 264330626631

Status : Answered

Chosen Option : 1

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

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

Question ID : 26433099306

Option 1 ID : 264330389838

Option 2 ID : 264330389837

Option 3 ID : 264330389840

Option 4 ID : 264330389839

Status : Answered

Chosen Option : 2

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

- Ans
- ☐ 1. 61 cm
 - ☒ 2. 30.5 cm
 - ☐ 3. 20.375 cm
 - ☐ 4. 10.125 cm

Question ID : 264330100769

Option 1 ID : 264330395624

Option 2 ID : 264330395622

Option 3 ID : 264330395623

Option 4 ID : 264330395621

Status : Not Attempted and
Marked For Review

Chosen Option : --

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

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

Question ID : 264330160584

Option 1 ID : 264330629668

Option 2 ID : 264330629667

Option 3 ID : 264330629669

Option 4 ID : 264330629670

Status : Marked For Review

Chosen Option : 2

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

- Ans ☒ 1. Engineer's scale and graphical scale
☒ 2. Engineer's scale and representative fraction
☒ 3. Graphical scale
☒ 4. Representative fraction and graphical scale

Question ID : 264330160591

Option 1 ID : 264330629698

Option 2 ID : 264330629696

Option 3 ID : 264330629695

Option 4 ID : 264330629697

Status : Answered

Chosen Option : 2

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

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

Question ID : 264330158930

Option 1 ID : 264330623081

Option 2 ID : 264330623079

Option 3 ID : 264330623082

Option 4 ID : 264330623080

Status : Answered

Chosen Option : 1

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

- Ans ☒ 1. 1.40625 kN
☒ 2. 1406.25 kN
☒ 3. 140.625 kN
☒ 4. 14.0625 kN

Question ID : 264330100823

Option 1 ID : 264330395840

Option 2 ID : 264330395839

Option 3 ID : 264330395837

Option 4 ID : 264330395838

Status : Answered

Chosen Option : 1

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

- Ans
- ☒ 1. 1 day
 - ☒ 2. 2 days
 - ☒ 3. 3 days
 - ☒ 4. 28 hours

Question ID : 264330157705

Option 1 ID : 264330618179

Option 2 ID : 264330618180

Option 3 ID : 264330618181

Option 4 ID : 264330618182

Status : Answered

Chosen Option : 3

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

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

Question ID : 264330157696

Option 1 ID : 264330618145

Option 2 ID : 264330618146

Option 3 ID : 264330618143

Option 4 ID : 264330618144

Status : Marked For Review

Chosen Option : 2

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

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

Question ID : 26433099401

Option 1 ID : 264330390218

Option 2 ID : 264330390217

Option 3 ID : 264330390219

Option 4 ID : 264330390220

Status : Answered

Chosen Option : 1

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

- Ans ☒ 1. depression storage
 ☐ 2. basin storage
 ☐ 3. dead storage
 ☐ 4. sub-surface storage

Question ID : 264330160578

Option 1 ID : 264330629645

Option 2 ID : 264330629643

Option 3 ID : 264330629644

Option 4 ID : 264330629646

Status : Answered

Chosen Option : 3

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

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

Question ID : 26433099393

Option 1 ID : 264330390186

Option 2 ID : 264330390187

Option 3 ID : 264330390188

Option 4 ID : 264330390185

Status : Answered

Chosen Option : 4

Q.17 Select the correct option for the given statements.

Statement 1: Direction of the movement of a storm over the catchment area has a definite effect on the runoff.

Statement 2: If the storm moves against the flow direction, then the base period will be comparatively more and less peak flow may be expected.

- Ans ☐ 1. Statement 1 is true and statement 2 is false
 ☒ 2. Both statement 1 and statement 2 are true, and statement 2 is the correct explanation of statement 1
 ☐ 3. Statement 1 is false and statement 2 is true
 ☐ 4. Both statement 1 and statement 2 are true, but statement 2 is not the correct explanation of statement 1

Question ID : 26433099448

Option 1 ID : 264330390407

Option 2 ID : 264330390405

Option 3 ID : 264330390408

Option 4 ID : 264330390406

Status : Marked For Review

Chosen Option : 2

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

- Ans
- ☒ 1. 17.40 m
 - ☒ 2. 15.40 m
 - ☒ 3. 14.50 m
 - ☒ 4. 16.40 m

Question ID : 264330158570

Option 1 ID : 264330621642

Option 2 ID : 264330621640

Option 3 ID : 264330621641

Option 4 ID : 264330621639

Status : Not Answered

Chosen Option : --

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

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

Question ID : 26433099685

Option 1 ID : 264330391339

Option 2 ID : 264330391340

Option 3 ID : 264330391337

Option 4 ID : 264330391338

Status : Answered

Chosen Option : 2

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

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

Question ID : 264330157846

Option 1 ID : 264330618745

Option 2 ID : 264330618744

Option 3 ID : 264330618746

Option 4 ID : 264330618743

Status : Answered

Chosen Option : 1

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

- Ans ☒ 1. 0.95 to 0.98
☒ 2. 0.60 to 0.62
☒ 3. 0.81 to 0.94
☒ 4. 0.70 to 0.80

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

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

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

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

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

- Ans ☒ 1. 70058 N
☒ 2. 72058 N
☒ 3. 71058 N
☒ 4. 77048 N

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

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

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

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

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

Where

M_u = Ultimate flexural strength of beam

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

- Ans
- ☒ 1. Singly reinforced section
 - ☒ 2. Over reinforced section
 - ☒ 3. Doubly reinforced section
 - ☒ 4. under reinforced section

Question ID : 26433099430

Option 1 ID : 264330390333

Option 2 ID : 264330390335

Option 3 ID : 264330390334

Option 4 ID : 264330390336

Status : Answered

Chosen Option : 3

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

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

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

Question ID : 264330162711

Option 1 ID : 264330638166

Option 2 ID : 264330638165

Option 3 ID : 264330638164

Option 4 ID : 264330638163

Status : Answered

Chosen Option : 4

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

- Ans
- ☐ 1. aggregates
 - ☐ 2. tie bars
 - ☐ 3. longitudinal bars
 - ☒ 4. dowel bars

Question ID : 26433086536

Option 1 ID : 264330339788

Option 2 ID : 264330339785

Option 3 ID : 264330339786

Option 4 ID : 264330339787

Status : Answered

Chosen Option : 4

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

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

Question ID : 264330159644

Option 1 ID : 264330625935

Option 2 ID : 264330625936

Option 3 ID : 264330625938

Option 4 ID : 264330625937

Status : Answered

Chosen Option : 4

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

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

Question ID : 26433099365

Option 1 ID : 264330390076

Option 2 ID : 264330390074

Option 3 ID : 264330390073

Option 4 ID : 264330390075

Status : Not Answered

Chosen Option : --

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

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

Question ID : 264330158932

Option 1 ID : 264330623087

Option 2 ID : 264330623090

Option 3 ID : 264330623088

Option 4 ID : 264330623089

Status : Answered

Chosen Option : 1

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

- Ans
- ☐ 1. frog rammers
 - ☐ 2. pneumatic-tyred rollers
 - ☒ 3. sheep foot rollers
 - ☐ 4. vibroflotation

Question ID : 264330160343

Option 1 ID : 264330628714

Option 2 ID : 264330628712

Option 3 ID : 264330628711

Option 4 ID : 264330628713

Status : Answered

Chosen Option : 3

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

- Ans
- ☐ 1. $f = 0.2 \text{ m}$, $i = 12 \text{ mm}$, $d = 30 \text{ cm}$
 - ☐ 2. $f = 0.3 \text{ m}$, $i = 0.12 \text{ mm}$, $d = 20 \text{ cm}$
 - ☐ 3. $f = 0.3 \text{ m}$, $i = 1.2 \text{ mm}$, $d = 20 \text{ cm}$
 - ☒ 4. $f = 0.3 \text{ m}$, $i = 12 \text{ mm}$, $d = 20 \text{ cm}$

Question ID : 264330160623

Option 1 ID : 264330629824

Option 2 ID : 264330629825

Option 3 ID : 264330629826

Option 4 ID : 264330629823

Status : Not Answered

Chosen Option : --

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

- Ans
- ☐ 1. local state of equilibrium
 - ☐ 2. limited equilibrium
 - ☐ 3. general state of equilibrium
 - ☒ 4. plastic equilibrium

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

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

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

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

Q.36 Consider the following statements with respect to long wall-short wall method. Which of the following statement is/are correct?

- I. The wall that is 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. Both statements I and II are true
 - ☐ 2. Both statements I and II are false
 - ☐ 3. Only statement II is true
 - ☒ 4. Only statement I is true

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

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

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

Question ID : 264330158980

Option 1 ID : 264330623281

Option 2 ID : 264330623280

Option 3 ID : 264330623279

Option 4 ID : 264330623282

Status : Answered

Chosen Option : 3

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

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

Question ID : 264330159311

Option 1 ID : 264330624606

Option 2 ID : 264330624605

Option 3 ID : 264330624603

Option 4 ID : 264330624604

Status : Answered

Chosen Option : 3

Q.39 Which of the following statements is INCORRECT?

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

Question ID : 264330160687

Option 1 ID : 264330630082

Option 2 ID : 264330630081

Option 3 ID : 264330630079

Option 4 ID : 264330630080

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330159297

Option 1 ID : 264330624549

Option 2 ID : 264330624548

Option 3 ID : 264330624550

Option 4 ID : 264330624547

Status : Answered

Chosen Option : 4

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

- Ans
- ☒ 1. 3.4
 - ☒ 2. 3.5
 - ☒ 3. 2.8
 - ☒ 4. 3.1

Question ID : 264330159670

Option 1 ID : 264330626041

Option 2 ID : 264330626042

Option 3 ID : 264330626039

Option 4 ID : 264330626040

Status : Answered

Chosen Option : 4

Q.42 For a railway track, the width of the formation depends upon which of the following?

- i. Type of sleepers
- ii. Type of ballast
- iii. Type of gauge
- iv. Number of tracks, i.e. single or double track

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

Question ID : 26433086539

Option 1 ID : 264330339797

Option 2 ID : 264330339800

Option 3 ID : 264330339798

Option 4 ID : 264330339799

Status : Answered

Chosen Option : 4

Q.43 As per IS 456-2000, the flexural strength of a rectangular section of a singly reinforced RCC beam does NOT depend on which of the given options?

- Ans
- ☒ 1. Grade of concrete
 - ☒ 2. Depth of beam
 - ☒ 3. Grade of steel
 - ☒ 4. Temperature

Question ID : 264330159655

Option 1 ID : 264330625981

Option 2 ID : 264330625982

Option 3 ID : 264330625980

Option 4 ID : 264330625979

Status : Answered

Chosen Option : 4

Q.44 Arrange the following steps for painting of surfaces in a sequential manner.

1. First coat
2. Final coat
3. Prime coat
4. Surface preparation

Ans ☒ 1. 4, 1, 3, 2

☒ 2. 4, 3, 1, 2

☒ 3. 3, 1, 2, 4

☒ 4. 3, 2, 1, 4

Question ID : 264330160753

Option 1 ID : 264330630345

Option 2 ID : 264330630344

Option 3 ID : 264330630343

Option 4 ID : 264330630346

Status : Answered

Chosen Option : 2

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

Ans ☒ 1. is placed at the centroid

☒ 2. has the maximum area

☒ 3. is placed farthest from the centroid

☒ 4. is placed nearest the centroid

Question ID : 264330159684

Option 1 ID : 264330626096

Option 2 ID : 264330626098

Option 3 ID : 264330626097

Option 4 ID : 264330626095

Status : Answered

Chosen Option : 3

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

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

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

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

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

Question ID : 264330159408

Option 1 ID : 264330624994

Option 2 ID : 264330624993

Option 3 ID : 264330624992

Option 4 ID : 264330624991

Status : Not Answered

Chosen Option : --

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

- Ans
- ☒ 1. C_3S
 - ☒ 2. C_4AF
 - ☒ 3. C_3A
 - ☒ 4. C_2S

Question ID : 264330157850

Option 1 ID : 264330618761

Option 2 ID : 264330618759

Option 3 ID : 264330618762

Option 4 ID : 264330618760

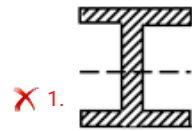
Status : Answered

Chosen Option : 4

Q.48 A beam cross section has shape of an angle section as given below. Which of the following cross sections has the same nature of shear stress distribution as that of the below angle section?



Ans



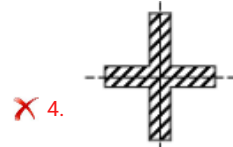
I-Section



Triangular



T-Section



Cross-Section

Question ID : 26433088033

Option 1 ID : 264330345745

Option 2 ID : 264330345748

Option 3 ID : 264330345746

Option 4 ID : 264330345747

Status : Answered

Chosen Option : 3

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

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

Question ID : 26433091106

Option 1 ID : 264330357835

Option 2 ID : 264330357836

Option 3 ID : 264330357833

Option 4 ID : 264330357834

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

Chosen Option : --

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

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

Question ID : 26433095837

Option 1 ID : 264330376118

Option 2 ID : 264330376119

Option 3 ID : 264330376117

Option 4 ID : 264330376120

Status : **Not Answered**

Chosen Option : --

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

- Ans
- ☒ 1. 2400 ha
 - ☒ 2. 6400 ha
 - ☒ 3. 8000 ha
 - ☒ 4. 4000 ha

Question ID : 264330160570

Option 1 ID : 264330629612

Option 2 ID : 264330629613

Option 3 ID : 264330629614

Option 4 ID : 264330629611

Status : **Answered**

Chosen Option : 2

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

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

Question ID : 264330157698

Option 1 ID : 264330618152

Option 2 ID : 264330618151

Option 3 ID : 264330618154

Option 4 ID : 264330618153

Status : Answered

Chosen Option : 1

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

- Ans ☐ 1. $S\ 24^\circ\ 20'\ W$
☐ 2. $S\ 65^\circ\ 40'\ E$
☒ 3. $S\ 24^\circ\ 20'\ E$
☐ 4. $S\ 65^\circ\ 40'\ W$

Question ID : 264330160598

Option 1 ID : 264330629724

Option 2 ID : 264330629725

Option 3 ID : 264330629723

Option 4 ID : 264330629726

Status : Not Attempted and
Marked For Review

Chosen Option : --

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

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

Question ID : 264330160191

Option 1 ID : 264330628103

Option 2 ID : 264330628104

Option 3 ID : 264330628105

Option 4 ID : 264330628106

Status : Not Answered

Chosen Option : --

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

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

Question ID : 264330160587

Option 1 ID : 264330629680

Option 2 ID : 264330629679

Option 3 ID : 264330629682

Option 4 ID : 264330629681

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330158538

Option 1 ID : 264330621512

Option 2 ID : 264330621511

Option 3 ID : 264330621514

Option 4 ID : 264330621513

Status : Answered

Chosen Option : 2

Q.57 The carbon credit system helps _____.

- Ans ☒ 1. reduce greenhouse gas emissions
☐ 2. reduce water pollution caused by chemicals
☐ 3. reduce noise pollution
☐ 4. reduce soil pollution caused by agricultural wastes

Question ID : 264330160674

Option 1 ID : 264330630027

Option 2 ID : 264330630028

Option 3 ID : 264330630030

Option 4 ID : 264330630029

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330100821

Option 1 ID : 264330395830

Option 2 ID : 264330395831

Option 3 ID : 264330395829

Option 4 ID : 264330395832

Status : Answered

Chosen Option : 4

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

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

Question ID : 26433099443

Option 1 ID : 264330390386

Option 2 ID : 264330390387

Option 3 ID : 264330390385

Option 4 ID : 264330390388

Status : Answered

Chosen Option : 3

Q.60 Consider the following distances:

d_1 = distance travelled by the vehicle after applying the breaks.

d_2 = distance travelled by overtaking vehicle, during reaction time for overtaking.

d_3 = distance travelled by overtaking vehicle, during total overtaking time.

d_4 = distance travelled by overtaken vehicle, during total overtaking time.

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

- Ans ☐ 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 : 1

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

- Ans
- ☒ 1. The delivery head is directly proportional to N^2 .
 - ☐ 2. The delivery head is inversely proportional to N.
 - ☐ 3. The delivery head is inversely proportional to N^2 .
 - ☐ 4. The delivery head is directly proportional to N.

Question ID : 264330158975

Option 1 ID : 264330623261

Option 2 ID : 264330623260

Option 3 ID : 264330623262

Option 4 ID : 264330623259

Status : **Marked For Review**

Chosen Option : 4

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

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

Question ID : 26433099458

Option 1 ID : 264330390447

Option 2 ID : 264330390446

Option 3 ID : 264330390445

Option 4 ID : 264330390448

Status : **Marked For Review**

Chosen Option : 4

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

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

Question ID : 26433099456

Option 1 ID : 264330390437

Option 2 ID : 264330390438

Option 3 ID : 264330390440

Option 4 ID : 264330390439

Status : **Not Answered**

Chosen Option : --

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

- Ans
- ☒ 1. Dry process
 - ☐ 2. Moist process
 - ☐ 3. Wet process
 - ☐ 4. Grinding process

Question ID : 264330157841

Option 1 ID : 264330618724

Option 2 ID : 264330618725

Option 3 ID : 264330618723

Option 4 ID : 264330618726

Status : Answered

Chosen Option : 1

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

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

Question ID : 26433095957

Option 1 ID : 264330376600

Option 2 ID : 264330376597

Option 3 ID : 264330376598

Option 4 ID : 264330376599

Status : Answered

Chosen Option : 3

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

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

Question ID : 26433099377

Option 1 ID : 264330390122

Option 2 ID : 264330390124

Option 3 ID : 264330390121

Option 4 ID : 264330390123

Status : Answered

Chosen Option : 2

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

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

Question ID : 264330159704

Option 1 ID : 264330626176

Option 2 ID : 264330626177

Option 3 ID : 264330626178

Option 4 ID : 264330626175

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

Chosen Option : --

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

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

Question ID : 26433096830

Option 1 ID : 264330380057

Option 2 ID : 264330380060

Option 3 ID : 264330380058

Option 4 ID : 264330380059

Status : **Answered**

Chosen Option : 4

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

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

Question ID : 264330167533

Option 1 ID : 264330657106

Option 2 ID : 264330657103

Option 3 ID : 264330657105

Option 4 ID : 264330657104

Status : **Answered**

Chosen Option : 3

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

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

Question ID : 264330176257

Option 1 ID : 264330691306

Option 2 ID : 264330691304

Option 3 ID : 264330691303

Option 4 ID : 264330691305

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330157854

Option 1 ID : 264330618776

Option 2 ID : 264330618777

Option 3 ID : 264330618778

Option 4 ID : 264330618775

Status : Answered

Chosen Option : 4

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

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

Question ID : 264330100805

Option 1 ID : 264330395766

Option 2 ID : 264330395768

Option 3 ID : 264330395765

Option 4 ID : 264330395767

Status : Answered

Chosen Option : 4

Q.73 A 0.3 m diameter pipe carries oil of specific gravity 0.8 at flow velocity of 1.5 m/s and the pressure at a point A is 20 kN/m² (gauge). If the point A is 3 m above the datum line, calculate the approximate total energy at point A in meters of oil.

- Ans
- ☒ 1. 5.95 m
 - ☒ 2. 5.25 m
 - ☒ 3. 5.65 m
 - ☒ 4. 6.31 m

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

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

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

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

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

Statement 1: Due to their low strength, particle boards are less durable than plywood or solid wood. However, using laminates or veneers on the surface can aid to improve durability.

Statement 2: A layer of melamine can be applied to the top surface of particle boards to make them fire-resistant.

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

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

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

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

Question ID : 264330160196

Option 1 ID : 264330628124

Option 2 ID : 264330628126

Option 3 ID : 264330628125

Option 4 ID : 264330628123

Status : Answered

Chosen Option : 1

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

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

Question ID : 26433099695

Option 1 ID : 264330391379

Option 2 ID : 264330391378

Option 3 ID : 264330391380

Option 4 ID : 264330391377

Status : Marked For Review

Chosen Option : 3

Q.78 Identify the correct statements regarding theodolite.

- i. The axis of the plate level must lie in a plane parallel to the vertical axis.
- ii. The horizontal axis must be perpendicular to the vertical axis.
- iii. The vertical circle vernier must read zero when the line of collimation is horizontal.
- iv. The axis of the altitude level must be perpendicular to the line of collimation.

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

Question ID : 264330122653

Option 1 ID : 264330480726

Option 2 ID : 264330480724

Option 3 ID : 264330480723

Option 4 ID : 264330480725

Status : Answered

Chosen Option : 3

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

- Ans ☒ 1. Jet aircraft at the take-off stage
- ☐ 2. Road traffic
- ☐ 3. Rail traffic
- ☐ 4. Inland water traffic

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

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

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

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

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

- Ans ☐ 1. 0.637 m
- ☒ 2. 0.667 m
- ☐ 3. 0.617 m
- ☐ 4. 0.627 m

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Question ID : 264330159628

Option 1 ID : 264330625873

Option 2 ID : 264330625874

Option 3 ID : 264330625871

Option 4 ID : 264330625872

Status : Answered

Chosen Option : 3

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

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

Question ID : 264330159683

Option 1 ID : 264330626091

Option 2 ID : 264330626094

Option 3 ID : 264330626092

Option 4 ID : 264330626093

Status : Answered

Chosen Option : 1

Q.89 Consider the given statements.

I: Rate of material used for construction includes the cost of transport.

II: For material that is supplied departmentally, cost of carriage from godown to work rate shall be added.

Which of the statements is/are true?

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

Question ID : 26433099356

Option 1 ID : 264330390039

Option 2 ID : 264330390037

Option 3 ID : 264330390040

Option 4 ID : 264330390038

Status : Answered

Chosen Option : 1

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

- Ans ☒ 1. यातायात प्रेरित सिग्नल
- ☐ 2. मैनुअल रूप से संचालित सिग्नल
- ☐ 3. पैदल यात्री सिग्नल
- ☐ 4. निश्चित समय सिग्नल

Question ID : 264330157185

Option 1 ID : 264330616104

Option 2 ID : 264330616106

Option 3 ID : 264330616105

Option 4 ID : 264330616103

Status : Answered

Chosen Option : 1

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

- Ans ☐ 1. $\frac{PL}{2EI}$
- ☐ 2. $\frac{3PL}{4EI}$
- ☐ 3. $\frac{PL}{4EI}$
- ☒ 4. zero

Question ID : 264330159401

Option 1 ID : 264330624965

Option 2 ID : 264330624964

Option 3 ID : 264330624966

Option 4 ID : 264330624963

Status : Answered

Chosen Option : 4

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

- Ans ☐ 1. increase the velocity of the flow in the direction of the flow at the diverging part
- ☐ 2. decrease the pressure in the direction of the flow at the diverging part
- ☒ 3. minimise the loss of energy caused by flow separation
- ☐ 4. avoid a situation wherein the flow may become compressible

Question ID : 264330162559

Option 1 ID : 264330637565

Option 2 ID : 264330637566

Option 3 ID : 264330637563

Option 4 ID : 264330637564

Status : Answered

Chosen Option : 3

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

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

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

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

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

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

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

- Ans ☒ 1. additional expenses
☒ 2. overhead expenses
☒ 3. extra expenses
☒ 4. surcharge expenses

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

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

- Ans ☒ 1. Only the solid particles coming out of an outlet
☒ 2. Only the liquid substance coming out of an outlet
☒ 3. Only the gaseous substance coming out of an outlet
☒ 4. Any solid or liquid or gaseous substance coming out of any chimney, duct or flue or any other outlet

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

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

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

Question ID : 264330158956

Option 1 ID : 264330623185

Option 2 ID : 264330623184

Option 3 ID : 264330623183

Option 4 ID : 264330623186

Status : Answered

Chosen Option : 1

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

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

Question ID : 264330100814

Option 1 ID : 264330395801

Option 2 ID : 264330395802

Option 3 ID : 264330395803

Option 4 ID : 264330395804

Status : Not Answered

Chosen Option : --

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

- Ans ☒ 1. PPC is useful in marine and hydraulic structures.
- ☒ 2. Fly ash is a pozzolanic material used for the manufacture of PPC.
- ☒ 3. PPC produces more heat of hydration than ordinary Portland cement.
- ☒ 4. The long-term strength of PPC beyond a couple of months is higher than that of ordinary Portland cement if enough moisture is available for continued pozzolanic action.

Question ID : 264330157684

Option 1 ID : 264330618095

Option 2 ID : 264330618096

Option 3 ID : 264330618097

Option 4 ID : 264330618098

Status : Answered

Chosen Option : 3

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

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

Question ID : 264330160676

Option 1 ID : 264330630038

Option 2 ID : 264330630035

Option 3 ID : 264330630037

Option 4 ID : 264330630036

Status : **Not Answered**

Chosen Option : --