

**SSC JE 2023 Oct 9 Shift 1 Civil Question Paper with Answers**

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

Section : **General Intelligence and Reasoning****Q.1 Which of the following numbers will replace the question mark (?) in the given series?**

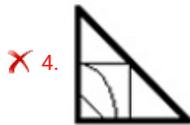
17, 57, 22, 52, ?, 47

Ans  1. 23 2. 49 3. 51 4. 27Question ID : **26433091015**Option 1 ID : **264330357469**Option 2 ID : **264330357472**Option 3 ID : **264330357470**Option 4 ID : **264330357471**Status : **Answered**Chosen Option : **4**

Q.2 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans



Question ID : 26433074800

Option 1 ID : 264330293291

Option 2 ID : 264330293290

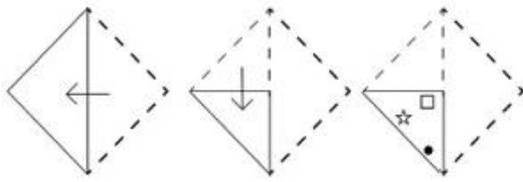
Option 3 ID : 264330293288

Option 4 ID : 264330293289

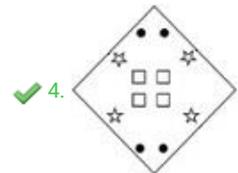
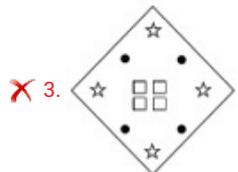
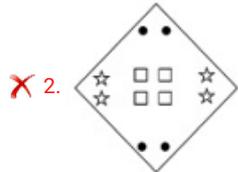
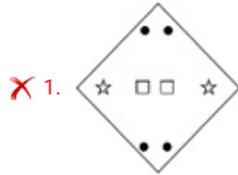
Status : Answered

Chosen Option : 1

Q.3 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 264330103018

Option 1 ID : 264330404463

Option 2 ID : 264330404462

Option 3 ID : 264330404464

Option 4 ID : 264330404461

Status : Answered

Chosen Option : 4

Q.4 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

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

Ans ✓ 1, 2, 1, 5, 3, 4

✗ 2, 1, 2, 5, 4, 3

✗ 3, 1, 2, 5, 3, 4

✗ 4, 5, 3, 2, 4, 1

Question ID : 264330131976

Option 1 ID : 264330517000

Option 2 ID : 264330517002

Option 3 ID : 264330517001

Option 4 ID : 264330516999

Status : Answered

Chosen Option : 1

Q.5 निम्नलिखित शब्दों को एक तार्किक और सार्थक क्रम में व्यवस्थित कीजिए।

1. शहर
2. भवन
3. राज्य
4. देश
5. महाद्वीप

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

Question ID : 26433076673

Option 1 ID : 264330300756

Option 2 ID : 264330300758

Option 3 ID : 264330300757

Option 4 ID : 264330300759

Status : Answered

Chosen Option : 4

Q.6 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

1 B 4 E 7 K 8

M  
|  
N

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

Question ID : 264330144793

Option 1 ID : 264330567429

Option 2 ID : 264330567430

Option 3 ID : 264330567428

Option 4 ID : 264330567427

Status : Answered

Chosen Option : 4

Q.7 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(6, 12, 9)

(16, 10, 13)

- Ans
- 1. (13, 38, 4)
  - 2. (3, 14, 8)
  - 3. (19, 24, 5)
  - 4. (15, 7, 11)

Question ID : 264330144421

Option 1 ID : 264330565942

Option 2 ID : 264330565939

Option 3 ID : 264330565940

Option 4 ID : 264330565941

Status : Answered

Chosen Option : 4

Q.8 उस विकल्प का चयन कीजिए, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द में अक्षरों की संख्या / व्यंजनों / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए।)

. बोल (Lyric) : गाना (Song) :: छंद (Stanza) : ?

- Ans
- 1. कविता (Poem)
  - 2. साहित्य (Literature)
  - 3. निबंध (Essay)
  - 4. अंग्रेजी (English)

Question ID : 264330144588

Option 1 ID : 264330566608

Option 2 ID : 264330566607

Option 3 ID : 264330566609

Option 4 ID : 264330566610

Status : Answered

Chosen Option : 2

Q.9 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M  
|  
E k m 3 7 a  
|  
N

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

Question ID : 26433056967

Option 1 ID : 264330222852

Option 2 ID : 264330222853

Option 3 ID : 264330222855

Option 4 ID : 264330222854

Status : Answered

Chosen Option : 3

Q.10 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
9 : 38 :: 13 : ? :: 24 : 83

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

Question ID : 264330126043

Option 1 ID : 264330493846

Option 2 ID : 264330493847

Option 3 ID : 264330493844

Option 4 ID : 264330493845

Status : Answered

Chosen Option : 3

Q.11 Select the correct combination of mathematical signs to sequentially replace the \* signs and balance the given equation.  
 $8 * 2 * 2 * 2 * 2 = 8$

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

Question ID : 26433068600

Option 1 ID : 264330268914

Option 2 ID : 264330268915

Option 3 ID : 264330268913

Option 4 ID : 264330268912

Status : Answered

Chosen Option : 4

Q.12 तीन कथन और उसके बाद I, II और III क्रमांकित तीन निष्कर्ष दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय लीजिए कि कौन-से निष्कर्ष कथनों का तार्किक रूप से पालन करते हैं?

कथन:

कुछ चिप्स, वेफ़र हैं।  
कोई भी वेफ़र, टॉफ़ी नहीं है।  
सभी मिठाइयां, चिप्स हैं।

निष्कर्ष:

- I. सभी चिप्स कभी भी टॉफ़ी नहीं हो सकते हैं।
- II. कोई भी मिठाई, वेफ़र नहीं है।
- III. कुछ टॉफ़ियां मिठाइयां हैं।

- Ans
- 1. कोई भी निष्कर्ष पालन नहीं करता है
  - 2. केवल निष्कर्ष III पालन करता है
  - 3. केवल निष्कर्ष I पालन करता है
  - 4. केवल निष्कर्ष I और II पालन करते हैं

Question ID : 264330144508

Option 1 ID : 264330566287

Option 2 ID : 264330566290

Option 3 ID : 264330566288

Option 4 ID : 264330566289

Status : Answered

Chosen Option : 1

Q.13 Which letter-cluster will replace the question mark (?) to complete the given series?

FDQE, KJXM, PPEU, ?, ZBSK

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

Question ID : 264330144629

Option 1 ID : 264330566772

Option 2 ID : 264330566774

Option 3 ID : 264330566771

Option 4 ID : 264330566773

Status : Answered

Chosen Option : 3

Q.14 In a certain code language, "MERITORIOUS" is written as "10" and "OBJECTIONABLE" is written as "12". How will "PREPATORY" be written in that language?

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

Question ID : 264330130326

Option 1 ID : 264330510416

Option 2 ID : 264330510415

Option 3 ID : 264330510418

Option 4 ID : 264330510417

Status : Answered

Chosen Option : 2

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

JSGXK : ADXIB :: LFCWE : CQTHV :: BDXOF : ?

- Ans
- 1. WXOZD
  - 2. SOXWZ
  - 3. ZOOWX
  - 4. SOOZW

Question ID : 26433074702

Option 1 ID : 264330292899

Option 2 ID : 264330292897

Option 3 ID : 264330292898

Option 4 ID : 264330292896

Status : Answered

Chosen Option : 4

Q.16 Which of the following numbers will replace the question marks (?) in the given series?  
8, 10, 24, 58, 120, ?

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

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

Q.17 K @ L का अर्थ है "L, K का पति है"  
 K & L का अर्थ है "K, L की माता है"  
 K # L का अर्थ है "K, L का पुत्र है"  
 यदि A & B @ C # D @ E है, तो B का D से क्या संबंध है?

- Ans  1. माता  
 2. पुत्रवधू  
 3. बहन  
 4. पुत्री

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

Q.18 सात मित्रों, कीर्ति, सिया, अमिता, प्रीति, दीपिका, जीत और परी में से प्रत्येक ने एक परीक्षा में भिन्न-भिन्न अंक प्राप्त किए हैं। परी ने कीर्ति से अधिक, किंतु सिया से कम अंक प्राप्त किए हैं। दीपिका ने प्रीति से कम, किंतु अमिता से अधिक अंक प्राप्त किए हैं। कीर्ति ने प्रीति से अधिक, किंतु परी से कम अंक प्राप्त किए हैं। सिया ने सवार्धिक अंक प्राप्त नहीं किए हैं।

निम्नलिखित में से किसने प्रीति से अधिक अंक प्राप्त नहीं किए हैं?

- Ans  1. जीत  
 2. अमिता  
 3. परी  
 4. सिया

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

Q.19 In a code language, 'COURT' is written as TROOC and 'SPORT' is written as TRIPS. How will 'BLIND' be written in the same language?

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

Question ID : 264330132947

Option 1 ID : 264330520850

Option 2 ID : 264330520849

Option 3 ID : 264330520848

Option 4 ID : 264330520847

Status : Answered

Chosen Option : 1

Q.20 Select the number from among the given options that can replace the question mark (?) in the following series.  
 13, 34, 63, 108, 177, 278, ?

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

Question ID : 26433078933

Option 1 ID : 264330309744

Option 2 ID : 264330309746

Option 3 ID : 264330309745

Option 4 ID : 264330309747

Status : Answered

Chosen Option : 1

Q.21 विपुल अपने घर से निकलता है, और पूर्व की ओर 20 m चलता है। फिर वह बाएं मुड़ता है, और 15 m चलता है। वह फिर से बाएं मुड़ता है, और 10 m चलता है। फिर वह दाएं मुड़ता है, और 20 m चलता है। फिर वह बाएं मुड़ता है, और 14 m चलता है। वह अंतिम बार बाएं मुड़ता है, और 45 m चलकर बिंदु X पर रुक जाता है। वह अपने घर के दक्षिण में 10 m की दूरी पर स्थित खंभे से कितनी दूर है? (मान लीजिए कि सभी मोड़ केवल 90° वाले मोड़ हैं।)

- Ans  1. 4 m  
 2. 6 m  
 3. 14 m  
 4. 10 m

Question ID : 264330131637

Option 1 ID : 264330515650

Option 2 ID : 264330515648

Option 3 ID : 264330515647

Option 4 ID : 264330515649

Status : Answered

Chosen Option : 1

Q.22 In a certain code language, 'CHECK' is written as '110' and 'CORRECT' is written as '114'. How will 'WRONG' be written in that language?

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

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

Q.23 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?  
 $13 - 145 \times 29 \div 52 + 11 = ?$

- Ans
- 1. 106
  - 2. 83
  - 3. 117
  - 4. 94

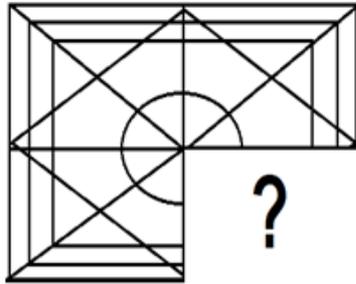
Question ID : 264330126061  
Option 1 ID : 264330493919  
Option 2 ID : 264330493918  
Option 3 ID : 264330493917  
Option 4 ID : 264330493916  
Status : Answered  
Chosen Option : 1

Q.24 In a certain code language, 'LESSON' is written as 'IDPPNK' and 'CLASS' is written as 'ZIZPP'. How will 'CHAPTER' be written in that language?

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

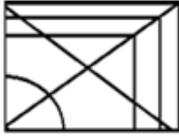
Question ID : 264330144620  
Option 1 ID : 264330566738  
Option 2 ID : 264330566737  
Option 3 ID : 264330566736  
Option 4 ID : 264330566735  
Status : Answered  
Chosen Option : 2

Q.25 Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

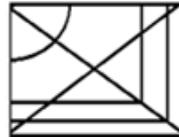


Ans

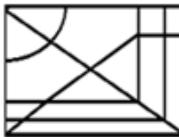
✗ 1.



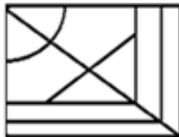
✓ 2.



✗ 3.



✗ 4.



Question ID : 264330129658

Option 1 ID : 264330507998

Option 2 ID : 264330508000

Option 3 ID : 264330508001

Option 4 ID : 264330507999

Status : Answered

Chosen Option : 2

Q.26 अलीशा एक एथलीट है, जो दक्षिण की ओर 10 km दौड़ती है, और फिर बाईं ओर मुड़ जाती है। 6 km दौड़ने के बाद, वह फिर से बाईं ओर मुड़ती है, और 10 km दौड़ती है। अब, वह आरंभिक बिंदु से किस दिशा में है?

Ans ✓ 1. पूर्व

✗ 2. उत्तर

✗ 3. दक्षिण

✗ 4. पश्चिम

Question ID : 26433093122

Option 1 ID : 264330365741

Option 2 ID : 264330365743

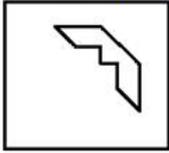
Option 3 ID : 264330365744

Option 4 ID : 264330365742

Status : Answered

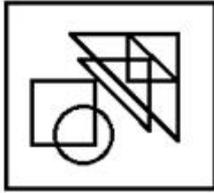
Chosen Option : 1

**Q.27** Select the option in which the given figure is embedded (rotation is NOT allowed).

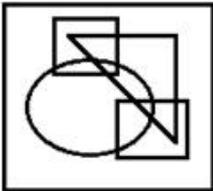


Ans

✓ 1.



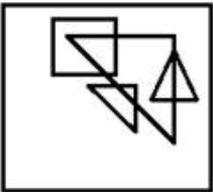
✗ 2.



✗ 3.



✗ 4.



Question ID : 26433068176  
 Option 1 ID : 264330267218  
 Option 2 ID : 264330267216  
 Option 3 ID : 264330267219  
 Option 4 ID : 264330267217  
 Status : Answered  
 Chosen Option : 1

**Q.28** Which letter-cluster will replace the question mark (?) to complete the given series?

MCWF, OFUE, ?, SLQC, UOOB

Ans ✓ 1. QISD

✗ 2. PITD

✗ 3. PHTC

✗ 4. OHSE

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

Q.29 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

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

Ans ✓ 1. 2, 4, 6, 5, 3, 1

✗ 2. 2, 4, 6, 5, 1, 3

✗ 3. 2, 4, 5, 6, 3, 1

✗ 4. 4, 2, 6, 5, 3, 1

Question ID : 264330117389

Option 1 ID : 264330461598

Option 2 ID : 264330461599

Option 3 ID : 264330461597

Option 4 ID : 264330461600

Status : Answered

Chosen Option : 1

Q.30 Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

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

Ans ✗ 1. TVM

✗ 2. SVN

✓ 3. TVN

✗ 4. SUM

Question ID : 264330144559

Option 1 ID : 264330566492

Option 2 ID : 264330566494

Option 3 ID : 264330566493

Option 4 ID : 264330566491

Status : Answered

Chosen Option : 3

Q.31 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

33 : 627 :: 47 : 893 :: 21 : ?

Ans ✓ 1. 399

✗ 2. 371

✗ 3. 407

✗ 4. 385

Question ID : 26433078883

Option 1 ID : 264330309546

Option 2 ID : 264330309544

Option 3 ID : 264330309547

Option 4 ID : 264330309545

Status : Answered

Chosen Option : 1

Q.32 राम ने एक महिला की ओर इंगित करते हुए कहा "उसकी पुत्री मेरे दामाद की पत्नी है।" राम का उस महिला से क्या संबंध है, जिसकी ओर उसने इंगित किया था?

- Ans
- 1. पिता
  - 2. बहन
  - 3. भाई
  - 4. पति

Question ID : 26433092473

Option 1 ID : 264330363183

Option 2 ID : 264330363184

Option 3 ID : 264330363181

Option 4 ID : 264330363182

Status : Answered

Chosen Option : 4

Q.33 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

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

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

Question ID : 264330144457

Option 1 ID : 264330566085

Option 2 ID : 264330566086

Option 3 ID : 264330566083

Option 4 ID : 264330566084

Status : Answered

Chosen Option : 4

Q.34 If '+' means '-', '-' means '×', '×' means '÷', '÷' means '+', what will come in place of the question mark?

$153 \times 9 - 5 + 32 \div 90 = ?$

- Ans
- 1. 143
  - 2. 155
  - 3. 150
  - 4. 160

Question ID : 264330130212

Option 1 ID : 264330509960

Option 2 ID : 264330509961

Option 3 ID : 264330509959

Option 4 ID : 264330509962

Status : Answered

Chosen Option : 1

Q.35 सात व्यक्ति A, B, C, D, E, F और G उत्तर की ओर मुख करके एक सीधी पंक्ति में बैठे हैं। D के बाईं ओर केवल 1 व्यक्ति बैठा है। A, D के ठीक बगल में बैठा है। F और D के बीच में केवल 2 व्यक्ति बैठे हैं। C और G के बीच में केवल 3 व्यक्ति बैठे हैं। B, G के ठीक बगल में नहीं बैठा है। E और A के बीच में केवल 2 व्यक्ति बैठे हैं।

G के बाईं ओर ठीक बगल में कौन बैठा है?

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

Question ID : 264330144641

Option 1 ID : 264330566820

Option 2 ID : 264330566821

Option 3 ID : 264330566819

Option 4 ID : 264330566822

Status : Answered

Chosen Option : 3

Q.36 Which of the following terms will replace the question mark (?) in the given series?  
KLJH, FGEC, ABZX, VWUS, ?

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

Question ID : 26433089473

Option 1 ID : 264330351396

Option 2 ID : 264330351395

Option 3 ID : 264330351394

Option 4 ID : 264330351393

Status : Answered

Chosen Option : 2

Q.37 Select the set in which the numbers are related in the same way as are the numbers of the following set.

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

(7, 5, 24)

(8, 2, 60)

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

Question ID : 264330144446

Option 1 ID : 264330566042

Option 2 ID : 264330566040

Option 3 ID : 264330566039

Option 4 ID : 264330566041

Status : Answered

Chosen Option : 4

Q.38 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द, उनमें अक्षरों की संख्या / व्यंजन / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए)

चालक दल (Crew) : नाविक (Sailor) :: सेना (Army) : ?

- Ans  1. सैनिक (Soldier)  
 2. पुलिस (Police)  
 3. युद्धभूमि (Battlefield)  
 4. युद्ध (War)

Question ID : 264330144531

Option 1 ID : 264330566380

Option 2 ID : 264330566379

Option 3 ID : 264330566382

Option 4 ID : 264330566381

Status : Answered

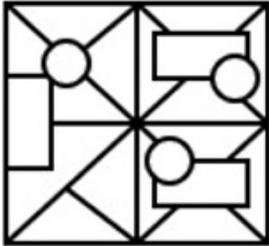
Chosen Option : 1

Q.39 Select the option in which the given figure is embedded (rotation is NOT allowed).

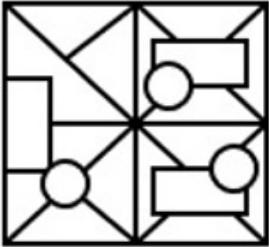


Ans

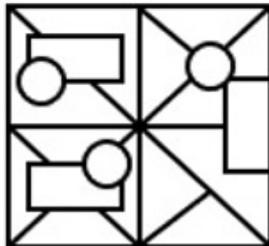
✗ 1.



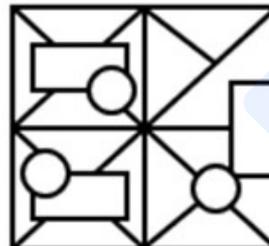
✗ 2.



✗ 3.



✓ 4.



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Question ID : 264330129540  
Option 1 ID : 264330507526  
Option 2 ID : 264330507527  
Option 3 ID : 264330507528  
Option 4 ID : 264330507529  
Status : Answered  
Chosen Option : 4

**Q.40** उस विकल्प आकृति का चयन कीजिए जो दी गई आकृति में उसके एक भाग के रूप में अंतर्निहित है (आकृति को घूमने की अनुमति नहीं है)।



**Ans**

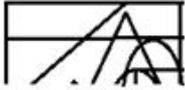
✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 264330144810

Option 1 ID : 264330567495

Option 2 ID : 264330567497

Option 3 ID : 264330567496

Option 4 ID : 264330567498

Status : Answered

Chosen Option : 1

**Q.41** Which letter-cluster will replace the question mark (?) to complete the given series?

FTFX, GVCT, ?, IZWL, JBTH

**Ans**

✗ 1. HEVP

✗ 2. HUTM

✓ 3. HXZP

✗ 4. HSRU

Question ID : 264330144502

Option 1 ID : 264330566263

Option 2 ID : 264330566264

Option 3 ID : 264330566265

Option 4 ID : 264330566266

Status : Answered

Chosen Option : 3

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

XUOA, DYME, JCKI, PGIO, ?

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

Question ID : 264330144630

Option 1 ID : 264330566778

Option 2 ID : 264330566777

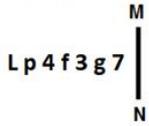
Option 3 ID : 264330566775

Option 4 ID : 264330566776

Status : Answered

Chosen Option : 2

Q.43 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. 7 g 3 f 4 p L
  - 2. 7 g 3 f 4 p L
  - 3. L p 4 f 3 g 7
  - 4. 7 g 3 f 4 p L

Question ID : 26433056960

Option 1 ID : 264330222824

Option 2 ID : 264330222825

Option 3 ID : 264330222827

Option 4 ID : 264330222826

Status : Answered

Chosen Option : 4

Q.44 सात व्यक्ति L, M, N, O, P, Q और R एक दूसरे से पास पास एक सीधी पंक्ति में उत्तर की ओर मुख करके बैठे हैं

(जरूरी नहीं कि इसी क्रम में बैठे हों)।

P, Q के बाईं ओर तीसरे स्थान पर बैठा है। N, O और Q के बगल में बैठा है। L, Q के दाईं ओर तीसरे स्थान पर

बैठा है। R, L और M के बगल में बैठा है।

P के दाईं ओर बगल में कौन बैठा है?

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

Question ID : 26433080710

Option 1 ID : 264330316775

Option 2 ID : 264330316773

Option 3 ID : 264330316776

Option 4 ID : 264330316774

Status : Answered

Chosen Option : 1

Q.45 नीचे दो कथन और उसके बाद दो निष्कर्ष I और II दिए गए हैं। कथनों को सत्य मानते हुए, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों, निर्णय करें कि कौन से निष्कर्ष कथनों का तार्किक रूप से पालन करते हैं?

कथन:

कुछ प्लेट कप हैं।

सभी कप चम्मच हैं।

निष्कर्ष:

I. कुछ चम्मच प्लेट हैं।

II. सभी चम्मच प्लेट हैं।

- Ans
- 1. केवल निष्कर्ष II पालन करता है
  - 2. निष्कर्ष I और II दोनों पालन करते हैं
  - 3. न तो निष्कर्ष I और न ही II पालन करता है
  - 4. केवल निष्कर्ष I पालन करता है

Question ID : 264330144948

Option 1 ID : 264330568048

Option 2 ID : 264330568049

Option 3 ID : 264330568050

Option 4 ID : 264330568047

Status : Answered

Chosen Option : 4

Q.46 Select the correct combination of mathematical signs that can sequentially replace the # signs and balance the given equation.

25 # 8 # 21 # 3 # 5 # 4 # 4

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

Question ID : 264330129581

Option 1 ID : 264330507693

Option 2 ID : 264330507690

Option 3 ID : 264330507691

Option 4 ID : 264330507692

Status : Answered

Chosen Option : 3

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/consonants/vowels in the word).

Bird : Ornithology :: Plant : \_\_\_\_\_

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

Question ID : 26433078834

Option 1 ID : 264330309348

Option 2 ID : 264330309351

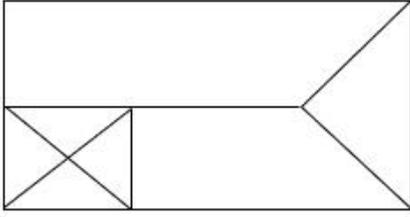
Option 3 ID : 264330309350

Option 4 ID : 264330309349

Status : Answered

Chosen Option : 1

Q.48 How many triangles are there in the given figure?



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

Question ID : 26433068140

Option 1 ID : 264330267073

Option 2 ID : 264330267074

Option 3 ID : 264330267072

Option 4 ID : 264330267075

Status : Answered

Chosen Option : 4

Q.49 उस शब्द युग्म का चयन कीजिए, जिसमें दिए गए दोनों शब्द एक दूसरे से उसी तरह से संबंधित हैं, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।  
(शब्दों पर सार्थक शब्द के रूप में विचार किया जाना चाहिए, और वे शब्द, शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)  
चारपाई : लकड़ी

- Ans
- 1. स्टोव : गैस
  - 2. कपड़ा : कपास
  - 3. बर्तन : पकाना
  - 4. आभूषण : पैर

Question ID : 264330117398

Option 1 ID : 264330461634

Option 2 ID : 264330461636

Option 3 ID : 264330461635

Option 4 ID : 264330461633

Status : Answered

Chosen Option : 2

Q.50 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

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

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

Question ID : 264330129470

Option 1 ID : 264330507248

Option 2 ID : 264330507247

Option 3 ID : 264330507246

Option 4 ID : 264330507249

Status : Answered

Chosen Option : 4

## Section : General Awareness

Q.1 भारत पर किसके आक्रमण के परिणामस्वरूप पानीपत का तृतीय युद्ध हुआ?

- Ans  1. बाबर  
 2. अहमद शाह अब्दाली  
 3. नादिर शाह  
 4. दोस्त मोहम्मद

Question ID : 264330109039

Option 1 ID : 264330428436

Option 2 ID : 264330428434

Option 3 ID : 264330428433

Option 4 ID : 264330428435

Status : Answered

Chosen Option : 2

Q.2 जनवरी 2023 में महिला अंडर-19 टी-20 विश्व कप के उद्घाटन संस्करण को जीतने वाली भारत की अंडर-19 महिला क्रिकेट टीम की कप्तान कौन थी?

- Ans  1. अर्चना देवी  
 2. ऋचा घोष  
 3. शैफाली वर्मा  
 4. श्वेता शेरावत

Question ID : 264330132583

Option 1 ID : 264330519428

Option 2 ID : 264330519427

Option 3 ID : 264330519430

Option 4 ID : 264330519429

Status : Answered

Chosen Option : 3

Q.3 भारत सरकार के पृथ्वी विज्ञान मंत्रालय के तहत भारतीय अंटार्कटिक प्राधिकरण (IAA) की स्थापना करना निम्नलिखित में से किस विधायी विधेयक का प्रस्ताव है?

- Ans  1. भारतीय अंटार्कटिक (संशोधन) विधेयक, 2021  
 2. भारतीय अंटार्कटिक विधेयक, 2021  
 3. भारतीय अंटार्कटिक विधेयक, 2022  
 4. भारतीय अंटार्कटिक (संशोधन) विधेयक, 2022

Question ID : 264330137272

Option 1 ID : 264330537717

Option 2 ID : 264330537715

Option 3 ID : 264330537716

Option 4 ID : 264330537718

Status : Not Answered

Chosen Option : --

Q.4 भारतीय संविधान के अनुसार, निम्नलिखित में से कौन-सा मूल कर्तव्य नहीं है?

- Ans
- 1. सार्वजनिक संपत्ति की सुरक्षा करना
  - 2. भाईचारे की भावना को बढ़ावा देना
  - 3. संविधान का पालन करना और उसके आदर्शों का सम्मान करना
  - 4. सार्वजनिक चुनाव में मतदान करना

Question ID : 26433086792

Option 1 ID : 264330340811

Option 2 ID : 264330340809

Option 3 ID : 264330340812

Option 4 ID : 264330340810

Status : Answered

Chosen Option : 4

Q.5 The term 'kick off' is related to which of the following games?

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

Question ID : 264330109733

Option 1 ID : 264330431209

Option 2 ID : 264330431210

Option 3 ID : 264330431211

Option 4 ID : 264330431212

Status : Answered

Chosen Option : 2

Q.6 भूतापीय प्रवणता (geothermal gradient) को पृथ्वी में गहराई के साथ तापमान में वृद्धि के रूप में परिभाषित किया जाता है। तदनुसार, सामान्य महाद्वीपीय पर्पटी में पृथ्वी की सतह से शुरूआती 3 से 5 किलोमीटर के भीतर तापमान वृद्धि की दर लगभग \_\_\_\_\_ होती है।

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

Question ID : 264330113789

Option 1 ID : 264330447242

Option 2 ID : 264330447244

Option 3 ID : 264330447243

Option 4 ID : 264330447241

Status : Not Answered

Chosen Option : --

Q.7 आवर्त सारणी के संबंध में निम्नलिखित में से कौन-सा कथन सही नहीं है?

- Ans
- 1. नोबल गैसों को समूह 18 में शामिल किया गया है।
  - 2. आवर्त सारणी में 18 आवर्त और 7 समूह हैं।
  - 3. समूह 2 के तत्वों को क्षारीय मृदा धातु कहते हैं।
  - 4. आवर्त सारणी में 7 आवर्त और 18 समूह हैं।

Question ID : 264330118022

Option 1 ID : 264330463906

Option 2 ID : 264330463904

Option 3 ID : 264330463905

Option 4 ID : 264330463903

Status : Answered

Chosen Option : 2

Q.8 भारत की पहाड़ियों का उनके क्षेत्रों से मिलान करें।

पहाड़ियाँ	क्षेत्र
1. जावड़ी पहाड़ियाँ	a. पूर्वी घाट
2. डोड्डाबेट्टा	b. पश्चिमी घाट
3. जैतिया पहाड़ियाँ	c. पूर्वांचल
4. पटकाई पहाड़ियाँ	d. मेघालय का पठार

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

Question ID : 264330138073

Option 1 ID : 264330540901

Option 2 ID : 264330540902

Option 3 ID : 264330540899

Option 4 ID : 264330540900

Status : Not Answered

Chosen Option : --

Q.9 आवश्यक ज्ञान और कौशल के साथ ऑक्सीजन प्रबंधन और व्यवस्थापन (administration) में लगे सभी स्वास्थ्य कर्मियों को सशक्त बनाने हेतु स्वास्थ्य एवं परिवार कल्याण मंत्रालय द्वारा प्रारंभ किए गए कार्यक्रम का नाम बताइए।

- Ans
- 1. नेशनल ऑक्सीजन सुपरविजन प्रोग्राम (National Oxygen Supervision Programme)
  - 2. नेशनल ऑक्सीजन मैनेजमेंट प्रोग्राम (National Oxygen Management Programme)
  - 3. नेशनल ऑक्सीजन डेवलपमेंट प्रोग्राम (National Oxygen Development Programme)
  - 4. नेशनल ऑक्सीजन स्टीवर्डशिप प्रोग्राम (National Oxygen Stewardship Programme)

Question ID : 264330156913

Option 1 ID : 264330615029

Option 2 ID : 264330615028

Option 3 ID : 264330615027

Option 4 ID : 264330615030

Status : Not Answered

Chosen Option : --

Q.10 बास्केटबॉल कोर्ट की विमाएं क्या होती हैं?

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

Question ID : 264330119284

Option 1 ID : 264330467423

Option 2 ID : 264330467426

Option 3 ID : 264330467424

Option 4 ID : 264330467425

Status : Not Answered

Chosen Option : --

Q.11 भारत के निम्नलिखित बंदरगाहों का उत्तर से दक्षिण की ओर सही क्रम क्या है?

- A. कोच्चि बंदरगाह
- B. मोरमुगाओ बंदरगाह
- C. कांडला बंदरगाह
- D. मुंबई बंदरगाह

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

Question ID : 264330138065

Option 1 ID : 264330540868

Option 2 ID : 264330540867

Option 3 ID : 264330540870

Option 4 ID : 264330540869

Status : Answered

Chosen Option : 4

Q.12 'मिताक्षरा' ग्रंथ निम्नलिखित में से किस क्षेत्र से संबंधित है?

- Ans
- 1. राजनीति
  - 2. विज्ञान
  - 3. न्यायिक
  - 4. कृषि

Question ID : 26433089136

Option 1 ID : 264330350064

Option 2 ID : 264330350062

Option 3 ID : 264330350061

Option 4 ID : 264330350063

Status : Answered

Chosen Option : 3

Q.13 भारत के निम्नलिखित में से किस पड़ोसी देश में 'पश्तो' भाषा बोली जाती है?

- Ans
- 1. चीन और म्यांमार
  - 2. नेपाल और भूटान
  - 3. श्रीलंका और मालदीव
  - 4. अफगानिस्तान और पाकिस्तान

Question ID : 264330113308

Option 1 ID : 264330445318

Option 2 ID : 264330445320

Option 3 ID : 264330445317

Option 4 ID : 264330445319

Status : Not Answered

Chosen Option : --

Q.14 भारत में 'नई आर्थिक नीति' निम्नलिखित में से किस वर्ष में पेश की गई थी?

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

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

Q.15 The headquarters of the Ghadar Party was located at which place?

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

Question ID : 264330109049  
 Option 1 ID : 264330428475  
 Option 2 ID : 264330428476  
 Option 3 ID : 264330428474  
 Option 4 ID : 264330428473  
 Status : Answered  
 Chosen Option : 1

Q.16 निम्नलिखित में से कौन सी एक निर्जीव वस्तु है, जो पर्यावरण का निर्माण करती है?

- Ans
- 1. कवक
  - 2. जल
  - 3. मछली
  - 4. वनस्पति

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

Q.17 बॉयल के नियम में किस प्राचल को स्थिर रखा जाता है ?

- Ans
- 1. तापमान
  - 2. तापमान एवं दाब
  - 3. दाब एवं द्रव्यमान
  - 4. द्रव्यमान

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

Q.18 बहुआयामी गरीबी सूचकांक 2022 के अनुसार, सबसे गरीब राज्य कौन-सा था?

- Ans
- 1. असम
  - 2. बिहार
  - 3. उत्तर प्रदेश
  - 4. पश्चिम बंगाल

Question ID : 264330157096

Option 1 ID : 264330615758

Option 2 ID : 264330615756

Option 3 ID : 264330615757

Option 4 ID : 264330615755

Status : Answered

Chosen Option : 2

Q.19 वर्ष 1942 में 'पारिस्थितिकी के ट्रॉफिक-डायनामिक पहलू (Trophic-Dynamic Aspect of Ecology)' का अध्ययन किसके द्वारा किया गया था?

- Ans
- 1. रेचल कार्सन (Rachel Carson)
  - 2. फ्रेडरिक क्लेमेंट्स (Frederic Clements)
  - 3. रेमंड एल लिंडमैन (Raymond L Lindemann)
  - 4. अलेक्जेंडर हम्बोल्ट (Alexander Humboldt)

Question ID : 264330114603

Option 1 ID : 264330450498

Option 2 ID : 264330450500

Option 3 ID : 264330450499

Option 4 ID : 264330450497

Status : Not Answered

Chosen Option : --

Q.20 एमएस पावरपॉइंट (MS PowerPoint) में रंग (colours) प्रभावी प्रेजेंटेशन और डॉक्यूमेंट में कैसे योगदान करते हैं?

- Ans
- 1. रंग पदानुक्रम की भावना पैदा करते हैं और महत्वपूर्ण जानकारी पर जोर देते हैं।
  - 2. रंग डॉक्यूमेंट्स के बीच कंटेंट को कॉपी और पेस्ट करने में मदद करते हैं।
  - 3. रंग कंटेंट को बड़ा और अधिक प्रमुख बनाते हैं।
  - 4. टेक्स्ट में वर्तनी और व्याकरण संबंधी त्रुटियों को स्वचालित रूप से ठीक करते हैं।

Question ID : 264330168592

Option 1 ID : 264330661180

Option 2 ID : 264330661182

Option 3 ID : 264330661179

Option 4 ID : 264330661181

Status : Not Answered

Chosen Option : --

Q.21 Match the column-A with column-B.

Column-A (Rock)

- i. Sedimentary rocks
- ii. Igneous rocks
- iii. Metamorphic rocks

Column-B (Structure type)

- a. Stratification and lamination
- b. crystalline structure
- c. Foliation

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

Question ID : 26433089680

Option 1 ID : 264330352221

Option 2 ID : 264330352223

Option 3 ID : 264330352222

Option 4 ID : 264330352224

Status : Answered

Chosen Option : 1

Q.22 According to Census of India 2011, what was the sex ratio of Tamil Nadu?

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

Question ID : 264330116477

Option 1 ID : 264330457994

Option 2 ID : 264330457993

Option 3 ID : 264330457996

Option 4 ID : 264330457995

Status : Not Answered

Chosen Option : --

Q.23 भारत के संविधान के अनुच्छेद 19 ने मूल रूप से \_\_\_\_\_ अधिकारों की गारंटी दी थी।

- Ans
- ✗ 1. आठ
  - ✗ 2. छह
  - ✓ 3. सात
  - ✗ 4. पाँच

Question ID : 264330130448

Option 1 ID : 264330510906

Option 2 ID : 264330510904

Option 3 ID : 264330510905

Option 4 ID : 264330510903

Status : Answered

Chosen Option : 4

Q.24 Which of the following is a collection of authoritative terminology originally compiled from IUPAC recommendations published by the scientific divisions of the union?

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

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

Q.25 भारतीय शास्त्रीय नृत्य और उनके संबंधित नर्तक/नर्तकी के सही संयोजन का चयन करें।

- Ans
- 1. गुरु बिपिन सिंह - मोहिनीअट्टम
  - 2. पंडित बिरजू महाराज - सत्रीया
  - 3. सुरेंद्र नाथ जेना - कुचिपुड़ी
  - 4. एलम एंडिरा देवी - मणिपुरी

Question ID : 264330130517  
Option 1 ID : 264330511181  
Option 2 ID : 264330511180  
Option 3 ID : 264330511182  
Option 4 ID : 264330511179  
Status : Not Answered  
Chosen Option : --

Q.26 Which of the following programmes was initiated in 1979 with the objective of upgrading the traditional skills of rural youth belonging to families living below the poverty line, with family income below ₹3,500 per year?

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

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

Q.27 इस प्रश्न में दो कथन दिए गए हैं, जिनमें पहला अभिकथन (A) और दूसरा कारण (R) है। सही विकल्प चुनने के लिए उनका उपयोग कीजिए।  
 अभिकथन (A) : राष्ट्रीय आय का प्राक्कलन करते समय, माता-पिता द्वारा दी गई पॉकेट मनी को शामिल किया जाता है  
 कारण (R): यह माता-पिता से बच्चों को भुगतान के हस्तांतरण को निरूपित करता है

- Ans
- 1. A सत्य है, और R असत्य है
  - 2. A और R दोनों सत्य हैं, लेकिन R, A की सही व्याख्या नहीं है
  - 3. A असत्य है, परंतु R सत्य है
  - 4. A और R दोनों सत्य हैं, और R, A की सही व्याख्या है

Question ID : 264330108904

Option 1 ID : 264330427895

Option 2 ID : 264330427894

Option 3 ID : 264330427896

Option 4 ID : 264330427893

Status : Not Answered

Chosen Option : --

Q.28 वजन कम होना और अधस्त्वक वसा (subcutaneous fat) और मांसपेशीय वजन (muscle mass) में कमी, शिशुओं में किस सिंड्रोम की लाक्षणिक विशेषताएं हैं?

- Ans
- 1. मरास्मस (Marasmus)
  - 2. एक्जिमा (Eczema)
  - 3. काली खाँसी (Pertussis)
  - 4. डाउन सिंड्रोम (Down syndrome)

Question ID : 264330113784

Option 1 ID : 264330447224

Option 2 ID : 264330447222

Option 3 ID : 264330447223

Option 4 ID : 264330447221

Status : Answered

Chosen Option : 2

Q.29 What is the term for the unwanted and unsolicited messages that are sent over the internet?

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

Question ID : 264330168574

Option 1 ID : 264330661108

Option 2 ID : 264330661109

Option 3 ID : 264330661107

Option 4 ID : 264330661110

Status : Answered

Chosen Option : 3

Q.30 तबला वादक उस्ताद अल्ला रक्खा \_\_\_\_\_ के मियां क़ादिर बख़्श (Mian Kader Baksh) द्वारा प्रशिक्षित संगीतकार थे।

- Ans
- 1. फरूखाबाद घराने
  - 2. दिल्ली घराने
  - 3. पंजाब घराने
  - 4. लखनऊ घराने

Question ID : 26433066682  
 Option 1 ID : 264330261255  
 Option 2 ID : 264330261254  
 Option 3 ID : 264330261252  
 Option 4 ID : 264330261253  
 Status : Answered  
 Chosen Option : 4

Q.31 1 ग्राम वसा से कितनी ऊर्जा मुक्त होती है?

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

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

Q.32 संविधान के निम्नलिखित में से कौन सा अनुच्छेद यह निर्धारित करता है कि राष्ट्रीय ध्वज और राष्ट्रगान का सम्मान किया जाना चाहिए?

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

Question ID : 264330112763  
 Option 1 ID : 264330443137  
 Option 2 ID : 264330443140  
 Option 3 ID : 264330443139  
 Option 4 ID : 264330443138  
 Status : Not Answered  
 Chosen Option : --

Q.33 भारतीय खान ब्यूरो 2020 के अनुसार, भारत के किन दो राज्यों में स्वर्ण अयस्क के सर्वाधिक भंडार हैं?

- Ans
- 1. मध्य प्रदेश और आंध्र प्रदेश
  - 2. कर्नाटक और उत्तर प्रदेश
  - 3. आंध्र प्रदेश और महाराष्ट्र
  - 4. बिहार और राजस्थान

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

Q.34 मनुष्य में एक आँख का क्षैतिज क्षेत्र दृश्य क्या होता है?

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

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

Q.35 भारत के विभाजन की योजना को निम्नलिखित में से किस नाम से जाना जाता है?

- Ans  1. 15 अगस्त योजना  
 2. 5 मई योजना  
 3. 18 जुलाई योजना  
 4. 3 जून योजना

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

Q.36 सितंबर 2022 में, निम्नलिखित में से किसे वर्ष 2020 के दादा साहब फाल्के पुरस्कार से सम्मानित किया गया?

- Ans  1. रजनीकांत  
 2. विनोद खन्ना  
 3. आशा पारेख  
 4. अमिताभ बच्चन

Question ID : 264330133013  
Option 1 ID : 264330521109  
Option 2 ID : 264330521107  
Option 3 ID : 264330521110  
Option 4 ID : 264330521108  
Status : Answered  
Chosen Option : 2

Q.37 निम्नलिखित में से कौन-सा कॉलम-A का कॉलम-B के साथ सही मिलान है?

कॉलम -A (नदी)	कॉलम -B (उद्गम स्थल)
i. गंगा	a. अमरकंटक
ii. चिनाब	b. महाबलेश्वर के पास पश्चिमी घाट
iii. नर्मदा	c. गंगोत्री हिमनद
iv. कृष्णा	d. स्पीति

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

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

Status : Answered

Chosen Option : 2

Q.38 महामहिम एचई वांगचुक नामग्याल (HE Wangchuk Namgyel) के नेतृत्व में \_\_\_\_\_ के एक संसदीय प्रतिनिधिमंडल ने 7 फरवरी 2023 को राष्ट्रपति भवन में भारत की राष्ट्रपति द्रौपदी मुर्मू से मुलाकात की।

- Ans
- 1. तुर्की
  - 2. नेपाल
  - 3. भूटान
  - 4. म्यांमार

Question ID : 264330132617  
 Option 1 ID : 264330519566  
 Option 2 ID : 264330519563  
 Option 3 ID : 264330519565  
 Option 4 ID : 264330519564

Status : Answered

Chosen Option : 1

Q.39 Which of the following is the correct match of the column-A column-B?

Column-A (Type of Rock) Column-B (Example)

- i. Sedimentary rocks a. Granite
- ii. Igneous rocks b. Limestone
- iii. Metamorphic rocks c. Gneiss

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

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

Status : Answered

Chosen Option : 3

Q.40 अंतिम मौर्य सम्राट की हत्या के लिए कौन जिम्मेदार था?

- Ans
- 1. सिमुका (Simuka)
  - 2. पुष्यमित्र शुंग (Pushyamitra Sunga)
  - 3. वासुदेव कण्व (Vasudev Kanva)
  - 4. कनिष्क (Kanishka)

Question ID : 264330112133

Option 1 ID : 264330440620

Option 2 ID : 264330440617

Option 3 ID : 264330440618

Option 4 ID : 264330440619

Status : Answered

Chosen Option : 1

Q.41 निम्नलिखित में से किसे 'क्रेडिट मनी (credit money)' कहा जाता है?

- Ans
- 1. मुद्रा मूल्य < वस्तु का मूल्य (Money value < Commodity value)
  - 2. मुद्रा मूल्य = वस्तु का मूल्य (Money value = Commodity value)
  - 3. मुद्रा मूल्य = वस्तु के मूल्य से 10 प्रतिशत कम
  - 4. मुद्रा मूल्य > वस्तु का मूल्य

Question ID : 264330144406

Option 1 ID : 264330565880

Option 2 ID : 264330565879

Option 3 ID : 264330565881

Option 4 ID : 264330565882

Status : Not Answered

Chosen Option : --

Q.42 राष्ट्रपति के निर्वाचन में भाग लेने वाले कुल सदस्यों को \_\_\_\_\_ कहा जाता है।

- Ans
- 1. निर्वाचक मंडल (Electoral College)
  - 2. कुलीन चुनाव समूह (Elite Election Group)
  - 3. प्रेसिडेंट कॉलेज (President College)
  - 4. प्रथम मतदाता समूह (First Voters Group)

Question ID : 264330120155

Option 1 ID : 264330470877

Option 2 ID : 264330470876

Option 3 ID : 264330470875

Option 4 ID : 264330470878

Status : Not Answered

Chosen Option : --

Q.43 तमिलनाडु में स्थित बृहदीश्वर मंदिर की स्थापत्य शैली कौन-सी है?

- Ans
- 1. नागर
  - 2. गडग
  - 3. द्रविड़
  - 4. चंपा

Question ID : 26433072660

Option 1 ID : 264330284902

Option 2 ID : 264330284901

Option 3 ID : 264330284900

Option 4 ID : 264330284903

Status : Answered

Chosen Option : 3

Q.44 भारत की संगीत नाटक अकादमी ने भारतीय शास्त्रीय नृत्य के 8 नृत्य रूपों को मान्यता दी है। निम्नलिखित में से कौन-सा इनमें शामिल नहीं है?

- Ans
- 1. सत्रीया
  - 2. भरतनाट्यम
  - 3. कुचिपुडी
  - 4. छऊ

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

Q.45 डिजिटल परिसंपत्तियों पर आयकर के अलावा, \_\_\_\_\_ टीडीएस और उपहार कर भी होगा, जिसका भुगतान प्राप्तकर्ता द्वारा कुछ शर्तों के आधार पर किया जाएगा।

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

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

Q.46 निम्नलिखित में से किस शहर को 'सिलिकॉन पठार' के नाम से जाना जाता है?

- Ans
- 1. चंडीगढ़
  - 2. हैदराबाद
  - 3. बेंगलुरु
  - 4. अहमदाबाद

Question ID : 264330113269  
 Option 1 ID : 264330445162  
 Option 2 ID : 264330445163  
 Option 3 ID : 264330445164  
 Option 4 ID : 264330445161  
 Status : Answered  
 Chosen Option : 3

Q.47 किसी राज्य में जिला न्यायाधीश की नियुक्ति, पदस्थापना और पदोन्नति \_\_\_\_\_ द्वारा की जाती है।

- Ans
- 1. राज्यपाल के परामर्श से राज्य के उच्च न्यायालय के मुख्य न्यायाधीश
  - 2. उच्च न्यायालय के परामर्श से राष्ट्रपति
  - 3. उच्च न्यायालय के मुख्य न्यायाधीश के परामर्श से मुख्यमंत्री
  - 4. उच्च न्यायालय के परामर्श से राज्यपाल

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

Q.48 Which of the following is the most common omega-3 fatty acid found in vegetable oils, nuts (especially walnuts), flaxseed and leafy vegetables that help prevent heart disease and stroke?

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

Question ID : 264330110074

Option 1 ID : 264330432574

Option 2 ID : 264330432575

Option 3 ID : 264330432576

Option 4 ID : 264330432573

Status : Not Answered

Chosen Option : --

Q.49 What is in situ conservation method of biodiversity?

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

Question ID : 264330113340

Option 1 ID : 264330445447

Option 2 ID : 264330445445

Option 3 ID : 264330445446

Option 4 ID : 264330445448

Status : Not Answered

Chosen Option : --

Q.50 खगेन महंत \_\_\_\_\_ के एक प्रसिद्ध लोक संगीतकार थे।

- Ans
- 1. उत्तर प्रदेश
  - 2. ओडिशा
  - 3. असम
  - 4. आंध्र प्रदेश

Question ID : 26433082116

Option 1 ID : 264330322300

Option 2 ID : 264330322298

Option 3 ID : 264330322299

Option 4 ID : 264330322297

Status : Not Answered

Chosen Option : --

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

- Ans
- 1. Both compaction and consolidation improve the engineering properties of soil.
  - 2. Both compaction and consolidation degrade the engineering properties of soil.
  - 3. Compaction releases pore water, whereas consolidation releases pore air.
  - 4. Compaction is valid for cohesive soils, whereas consolidation is applicable for all types of soils.

Question ID : 264330160842

Option 1 ID : 264330630702

Option 2 ID : 264330630701

Option 3 ID : 264330630699

Option 4 ID : 264330630700

Status : Answered

Chosen Option : 2

Q.2 If the section factor and the hydraulic depth for a rectangular channel are 40 m and 4 m, respectively, then calculate the top width of the channel.

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

Question ID : 264330158925

Option 1 ID : 264330623060

Option 2 ID : 264330623059

Option 3 ID : 264330623062

Option 4 ID : 264330623061

Status : Not Answered

Chosen Option : --

Q.3 \_\_\_\_\_ is a method of measuring the undrained shear strength of a cohesive soil.

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

Question ID : 264330160388

Option 1 ID : 264330628891

Option 2 ID : 264330628892

Option 3 ID : 264330628894

Option 4 ID : 264330628893

Status : Answered

Chosen Option : 1

**Q.4** A manometer is an instrument used for measuring the pressure acting on a column of fluid, which consists of a U-shaped tube of liquid in which the difference in pressures acting in the two arms of the tube causes the liquid to reach different heights in the two arms. Which of the following is NOT a limitation of the manometer?

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

Question ID : 264330158989

Option 1 ID : 264330623315

Option 2 ID : 264330623318

Option 3 ID : 264330623317

Option 4 ID : 264330623316

Status : Answered

Chosen Option : 4

**Q.5** The bearing of the magnetic meridian of a line is  $S 32^\circ 10' W$ . If the magnetic declination is  $7^\circ 40' East$ , then the true bearing is \_\_\_\_\_.

- Ans
- 1.  $212^\circ 10'$
  - 2.  $205^\circ 30'$
  - 3.  $S 25^\circ 30' W$
  - 4.  $S 39^\circ 50' W$

Question ID : 264330159317

Option 1 ID : 264330624629

Option 2 ID : 264330624630

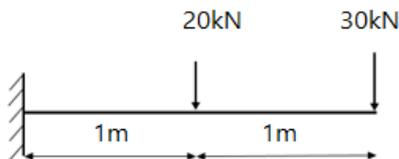
Option 3 ID : 264330624628

Option 4 ID : 264330624627

Status : Answered

Chosen Option : 4

**Q.6** A cantilever beam is subjected to two point loads as shown in the given diagram. Find the shear force and bending moment acting at the support of the beam.



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

Question ID : 26433088027

Option 1 ID : 264330345722

Option 2 ID : 264330345721

Option 3 ID : 264330345724

Option 4 ID : 264330345723

Status : Answered

Chosen Option : 2

Q.7 Superplasticisers are also called \_\_\_\_\_.

- Ans
- 1. retardants
  - 2. high-range water reducers
  - 3. accelerators
  - 4. low-range water reducers

Question ID : 264330157699  
Option 1 ID : 264330618157  
Option 2 ID : 264330618155  
Option 3 ID : 264330618158  
Option 4 ID : 264330618156  
Status : Answered  
Chosen Option : 2

Q.8 Which of the following is NOT the requirement of an ideal permanent way?

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

Question ID : 26433086542  
Option 1 ID : 264330339810  
Option 2 ID : 264330339812  
Option 3 ID : 264330339811  
Option 4 ID : 264330339809  
Status : Answered  
Chosen Option : 1

Q.9 \_\_\_\_\_ is the best suited method of irrigation for arid conditions in hot and windy areas so as to achieve optimum usage of irrigation water.

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

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

Q.10 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

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

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

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

Question ID : 264330160572

Option 1 ID : 264330629619

Option 2 ID : 264330629621

Option 3 ID : 264330629620

Option 4 ID : 264330629622

Status : Not Answered

Chosen Option : --

Q.11

Following are the observations made on a closed traverse.

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

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

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

Question ID : 264330160599

Option 1 ID : 264330629727

Option 2 ID : 264330629729

Option 3 ID : 264330629730

Option 4 ID : 264330629728

Status : Not Answered

Chosen Option : --

Q.12 Select the correct statement related to water distribution pipe systems.

- Ans  1. Sluice valves are provided only once, at the start of pipe system.
2. Drain valves are provided at all the high points.
3. Air valves are provided at all the low points.
4. Drain valves are provided at all the low points.

Question ID : 26433095956

Option 1 ID : 264330376594

Option 2 ID : 264330376596

Option 3 ID : 264330376595

Option 4 ID : 264330376593

Status : Answered

Chosen Option : 4

Q.13 What is the meaning of 'ISMB 200' in the steel design?

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

Question ID : 264330159695

Option 1 ID : 264330626141

Option 2 ID : 264330626142

Option 3 ID : 264330626139

Option 4 ID : 264330626140

Status : Answered

Chosen Option : 1

Q.14 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

**Assertion:** The orographic type of precipitation that is caused by moving masses of moist air may get lifted up to higher altitudes, due to presence of mountains as barriers.

**Reason:** Moving masses of moist air are lifted up to higher altitudes due to presence of mountains as barriers and consequently, they undergo cooling, condensation and precipitation.

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

Question ID : 264330158601

Option 1 ID : 264330621763

Option 2 ID : 264330621766

Option 3 ID : 264330621765

Option 4 ID : 264330621764

Status : Answered

Chosen Option : 1

Q.15 Pavements which have low or negligible flexural strength are called \_\_\_\_\_.

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

Question ID : 264330157162

Option 1 ID : 264330616014

Option 2 ID : 264330616011

Option 3 ID : 264330616013

Option 4 ID : 264330616012

Status : Answered

Chosen Option : 4

Q.16 With increase in the input power of pump, the efficiency of pump \_\_\_\_\_.

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

Question ID : 264330158966

Option 1 ID : 264330623225

Option 2 ID : 264330623223

Option 3 ID : 264330623226

Option 4 ID : 264330623224

Status : Answered

Chosen Option : 4

Q.17 Select the correct option for the given statements related to the field test of cement.

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

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

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

Question ID : 264330157844

Option 1 ID : 264330618737

Option 2 ID : 264330618735

Option 3 ID : 264330618738

Option 4 ID : 264330618736

Status : Answered

Chosen Option : 3

Q.18 A map of a certain area is drawn on a sheet. The distance on the map is 1 dm and that on the ground is 5 km. The representative fraction for the given data is \_\_\_\_\_.  
(Note that 'dm' means decimetre.)

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

Question ID : 264330159310

Option 1 ID : 264330624600

Option 2 ID : 264330624601

Option 3 ID : 264330624602

Option 4 ID : 264330624599

Status : Answered

Chosen Option : 2

Q.19 What is the standard atmospheric pressure at sea level?

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

Question ID : 264330159000

Option 1 ID : 264330623361

Option 2 ID : 264330623359

Option 3 ID : 264330623362

Option 4 ID : 264330623360

Status : Answered

Chosen Option : 2

Q.20 The following is the table containing data recorded during curve setting by using the two-theodolite method.

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

The values of A, B and C are \_\_\_\_, \_\_\_\_, and \_\_\_\_, respectively.

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

Question ID : 264330159336

Option 1 ID : 264330624703

Option 2 ID : 264330624704

Option 3 ID : 264330624705

Option 4 ID : 264330624706

Status : Not Answered

Chosen Option : --

Q.21 A 3-degree curve is situated on a ruling gradient of 1 in 250 on a broad Gauge track. What should be the actual ruling gradient considering the grade compensation of curvature?

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

Question ID : 26433091103

Option 1 ID : 264330357824

Option 2 ID : 264330357823

Option 3 ID : 264330357822

Option 4 ID : 264330357821

Status : Not Answered

Chosen Option : --

Q.22 The relative error in a closed traverse survey with perimeter of 500 m is 1 in 2000. If the closing error lies in the fourth quadrant (Positive - Y and Negative - X), then the errors in latitude and departure, closer to two decimal point, will be \_\_\_\_\_, respectively.

Ans

- ✓ 1. 0.2 m and - 0.15 m
- ✗ 2.  $\sqrt{0 \cdot 2}$  m and  $-\sqrt{0 \cdot 15}$  m
- ✗ 3. 0.2 m and 0.15 m
- ✗ 4.  $\sqrt{0 \cdot 2}$  m and  $\sqrt{0 \cdot 15}$  m

Question ID : 264330160628

Option 1 ID : 264330629845

Option 2 ID : 264330629846

Option 3 ID : 264330629843

Option 4 ID : 264330629844

Status : Not Answered

Chosen Option : --

Q.23 In a shrinkage limit experiment, mercury is used for:

Ans

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

Question ID : 264330160370

Option 1 ID : 264330628822

Option 2 ID : 264330628821

Option 3 ID : 264330628820

Option 4 ID : 264330628819

Status : Answered

Chosen Option : 1

Q.24 According to IS 800:2007, steel purlins are primarily designed as \_\_\_\_\_

Ans

- ✗ 1. tension members
- ✓ 2. flexural members
- ✗ 3. torsional members
- ✗ 4. compression members

Question ID : 264330100834

Option 1 ID : 264330395884

Option 2 ID : 264330395881

Option 3 ID : 264330395882

Option 4 ID : 264330395883

Status : Answered

Chosen Option : 4

Q.25 According to IS 456:2000, The value of design bond stress in limit state method for plain bars in tension depends on the:

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

Question ID : 264330100799

Option 1 ID : 264330395743

Option 2 ID : 264330395741

Option 3 ID : 264330395742

Option 4 ID : 264330395744

Status : Answered

Chosen Option : 3

Q.26 Which of the given options is the best suited condition for energy recovery from municipal solid waste?

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

Question ID : 26433095929

Option 1 ID : 264330376488

Option 2 ID : 264330376485

Option 3 ID : 264330376487

Option 4 ID : 264330376486

Status : Answered

Chosen Option : 2

Q.27 The specific energy of flow is the energy per unit weight of water with respect to the channel bottom as datum. As level of the channel bottom goes down, \_\_\_\_\_.

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

Question ID : 26433091054

Option 1 ID : 264330357627

Option 2 ID : 264330357628

Option 3 ID : 264330357625

Option 4 ID : 264330357626

Status : Answered

Chosen Option : 4

Q.28 In the centesimal system of angular measurement, 1 Circumference = \_\_\_\_\_

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

Question ID : 264330159315

Option 1 ID : 264330624620

Option 2 ID : 264330624619

Option 3 ID : 264330624621

Option 4 ID : 264330624622

Status : Answered

Chosen Option : 4

Q.29 The standard consistency test of cement is conducted by using \_\_\_\_\_.

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

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

Q.30 Which of the following is obtained by rotating a log of wood against a sharp knife of rotary cutter?

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

Question ID : 264330157856  
Option 1 ID : 264330618783  
Option 2 ID : 264330618785  
Option 3 ID : 264330618786  
Option 4 ID : 264330618784  
Status : Answered  
Chosen Option : 2

Q.31 Read the given statements about crop water requirement and select the correct option.

Statement 1: Duty will be less for a crop requiring more water.

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

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

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

Q.32 Which method involves driving piles along both sides of an existing wall and inserting a needle in the form of pile caps through the existing one?

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

Question ID : 264330167517

Option 1 ID : 264330657039

Option 2 ID : 264330657040

Option 3 ID : 264330657041

Option 4 ID : 264330657042

Status : Answered

Chosen Option : 2

Q.33 Thermal expansion gives temperature stresses that are resisted by the weight of the rails. If the resistance provided per km of rail length is 700 kg, then find the maximum length of the continuous welded track that can be provided, neglecting all other factors.

Given for the rail:

Area of cross-section = 50 cm<sup>2</sup>.

Modulus of elasticity =  $2 \times 10^6$  kg/cm<sup>2</sup>.

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

Rise in temperature = 35°C

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

Question ID : 264330100770

Option 1 ID : 264330395625

Option 2 ID : 264330395627

Option 3 ID : 264330395626

Option 4 ID : 264330395628

Status : Answered

Chosen Option : 1

Q.34 As per IS 11624-1986, what will be the water quality rating of irrigation water when electrical conductivity (EC) is in the range of 1500 to 3000 (micromhos/cm)?

- Ans
- 1. Medium
  - 2. High
  - 3. Very high
  - 4. Low

Question ID : 264330157863

Option 1 ID : 264330618812

Option 2 ID : 264330618813

Option 3 ID : 264330618814

Option 4 ID : 264330618811

Status : Answered

Chosen Option : 2

Q.35 The A-line in the unified classification system table is used to determine the plasticity index ( $I_p$ ) of soil sample on its liquid limit ( $W_L$ ). The equation for the A-line is given as \_\_\_\_\_.

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

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

Q.36 As per the Dicken's formula  $Q_p = C.M^{3/4}$  for the calculation of peak drainage discharge, the term 'M' represents:

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

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

Q.37 The precipitation is collected and measured in a rain gauge. The non-recording type rain gauge extensively used in India is \_\_\_\_\_.

- Ans
- 1. tipping-bucket type rain gauge
  - 2. float type rain gauge
  - 3. weighing-bucket type rain gauge
  - 4. Symon's rain gauge

Question ID : 264330160582  
Option 1 ID : 264330629659  
Option 2 ID : 264330629662  
Option 3 ID : 264330629660  
Option 4 ID : 264330629661  
Status : Answered  
Chosen Option : 4

Q.38

Following are the observations made on a closed traverse.

Line	Fore Bearing	Back Bearing
AB	$10^{\circ} 20'$	$190^{\circ} 20'$
BC	$155^{\circ} 30'$	$336^{\circ} 30'$
CA	$290^{\circ}$	$112^{\circ}$

The total error is \_\_\_\_\_.

- Ans
- 1.  $- 1^{\circ} 0'$
  - 2.  $+ 1^{\circ} 0'$
  - 3.  $- 3^{\circ} 0'$
  - 4.  $+ 3^{\circ} 0'$

Question ID : 264330160600

Option 1 ID : 264330629733

Option 2 ID : 264330629734

Option 3 ID : 264330629731

Option 4 ID : 264330629732

Status : Not Answered

Chosen Option : --

Q.39 Calculate the most economic area of a rectangular channel section with width 'B' and depth 'y'.

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

Question ID : 264330158927

Option 1 ID : 264330623070

Option 2 ID : 264330623069

Option 3 ID : 264330623067

Option 4 ID : 264330623068

Status : Answered

Chosen Option : 4

Q.40 The type of timber recommended for constructional purpose, whose modulus of elasticity in bending is above  $12.5 \text{ kN/mm}^2$ , is classified as \_\_\_\_\_ timber.

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

Question ID : 264330160396

Option 1 ID : 264330628925

Option 2 ID : 264330628926

Option 3 ID : 264330628924

Option 4 ID : 264330628923

Status : Answered

Chosen Option : 4

Q.41 Calculate the hook length of the bar in one side with a diameter of 16 mm.

- Ans
- 1. 100 mm
  - 2. 120 mm
  - 3. 166 mm
  - 4. 144 mm

Question ID : 264330159822

Option 1 ID : 264330626635

Option 2 ID : 264330626638

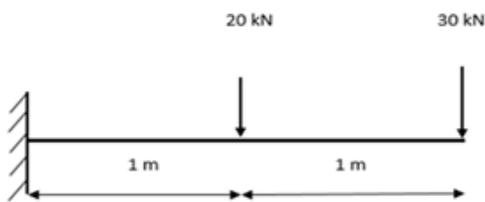
Option 3 ID : 264330626637

Option 4 ID : 264330626636

Status : Answered

Chosen Option : 4

Q.42 A cantilever beam is loaded as per the given diagram. Find the bending moment acting at the mid span of beam.



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

Question ID : 264330159410

Option 1 ID : 264330625001

Option 2 ID : 264330624999

Option 3 ID : 264330625000

Option 4 ID : 264330625002

Status : Answered

Chosen Option : 1

Q.43 Select the correct option for the given statements.

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

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

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

Question ID : 26433099452

Option 1 ID : 264330390424

Option 2 ID : 264330390421

Option 3 ID : 264330390422

Option 4 ID : 264330390423

Status : Answered

Chosen Option : 2

**Q.44** In a compaction test, the dry unit weight stops increasing after optimum moisture content because:

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

Question ID : 264330160347

Option 1 ID : 264330628728

Option 2 ID : 264330628727

Option 3 ID : 264330628730

Option 4 ID : 264330628729

Status : Answered

Chosen Option : 2

**Q.45** The moment of inertia of a body is a measurement of:

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

Question ID : 26433099374

Option 1 ID : 264330390109

Option 2 ID : 264330390110

Option 3 ID : 264330390112

Option 4 ID : 264330390111

Status : Answered

Chosen Option : 4

**Q.46** Consider the following conditions:

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

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

Question ID : 264330100835

Option 1 ID : 264330395888

Option 2 ID : 264330395886

Option 3 ID : 264330395887

Option 4 ID : 264330395885

Status : Not Answered

Chosen Option : --

Q.47 As per IRC, when designing pedestrian and traffic signals using approximate method for a two-phase system, the minimum initial period with pedestrian signal should NOT be less than:

- Ans  1. 7 seconds  
 2. 6 seconds  
 3. 4 seconds  
 4. 9 seconds

Question ID : 264330157183  
Option 1 ID : 264330616095  
Option 2 ID : 264330616098  
Option 3 ID : 264330616096  
Option 4 ID : 264330616097  
Status : Answered  
Chosen Option : 1

Q.48 Which of the following is NOT a structural stability criterion of a gravity dam?

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

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

Q.49 The coefficient of passive pressure  $K_p$  is \_\_\_\_\_ if the coefficient of active pressure  $K_a$  is  $1/4$ .

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

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

Q.50 If a cantilever retaining wall is to retain soil to its full height  $H$ , for the analysis of bending moment at its base, the distance from the base where the total force due to backfill acts, is \_\_\_\_\_.

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

Question ID : 264330100812

Option 1 ID : 264330395793

Option 2 ID : 264330395794

Option 3 ID : 264330395796

Option 4 ID : 264330395795

Status : Answered

Chosen Option : 2

Q.51 For zenith angles greater than  $90^\circ$ , the telescope of the total station will be \_\_\_\_\_.

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

Question ID : 264330159303

Option 1 ID : 264330624573

Option 2 ID : 264330624571

Option 3 ID : 264330624572

Option 4 ID : 264330624574

Status : Not Answered

Chosen Option : --

Q.52 A capillary tube of diameter 4 mm is dipped into a liquid of specific gravity 0.6. The liquid rises in the tube by 20 mm, making an angle of contact of  $0^\circ$  with the tube. Determine the surface tension of the liquid in contact with air and the glass tube.

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

Question ID : 264330162562

Option 1 ID : 264330637578

Option 2 ID : 264330637575

Option 3 ID : 264330637576

Option 4 ID : 264330637577

Status : Answered

Chosen Option : 2

**Q.53** Consider the following statements in a situation where cement and steel are supplied by the department.

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

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

Which of the following options is true?

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

Question ID : 26433099359

Option 1 ID : 264330390050

Option 2 ID : 264330390051

Option 3 ID : 264330390049

Option 4 ID : 264330390052

Status : Not Answered

Chosen Option : --

**Q.54** Which of the following is the most important property of the section in a compression member of any steel structure?

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

Question ID : 264330159688

Option 1 ID : 264330626111

Option 2 ID : 264330626114

Option 3 ID : 264330626113

Option 4 ID : 264330626112

Status : Answered

Chosen Option : 4

**Q.55** Which of the following is NOT an advantage of the manometer?

- Ans
- 1. Suitability for use in low-pressure applications
  - 2. Better sensitivity
  - 3. Simple construction
  - 4. Small operating range

Question ID : 264330158988

Option 1 ID : 264330623311

Option 2 ID : 264330623314

Option 3 ID : 264330623312

Option 4 ID : 264330623313

Status : Answered

Chosen Option : 2

**Q.56** In traffic control, the conflict points are reduced to bare minimum and the delays are minimised by designing:

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

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

**Q.57** During the particle board construction by pressing in the parallel plates process, what is the orientation of wood particles with respect to the plane of the board?

- Ans
- 1. 30°
  - 2. 90°
  - 3. 45°
  - 4. 0°

Question ID : 26433099396  
Option 1 ID : 264330390199  
Option 2 ID : 264330390198  
Option 3 ID : 264330390197  
Option 4 ID : 264330390200  
Status : Answered  
Chosen Option : 2

**Q.58** The total area enclosed by an irrigation canal that can be included in an irrigation project for supplying water to agricultural land by a network of canals is known as \_\_\_\_\_.

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

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

Q.59 The shear strength of an RCC beam depends on which of the following factors?

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

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

Q.60 Which of the following is an acoustical property of the construction material?

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

Question ID : 264330157862  
Option 1 ID : 264330618807  
Option 2 ID : 264330618810  
Option 3 ID : 264330618809  
Option 4 ID : 264330618808  
Status : Answered  
Chosen Option : 2

Q.61 Under which of the following conditions will a steel column fail in buckling?

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

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

Q.62 The number of vibrations of a sound wave per unit time is measured in \_\_\_\_\_.

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

Question ID : 264330162705  
Option 1 ID : 264330638141  
Option 2 ID : 264330638140  
Option 3 ID : 264330638139  
Option 4 ID : 264330638142  
Status : Not Answered  
Chosen Option : --

Q.63 Which of the following is NOT employed in the secondary treatment of sewage?

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

Question ID : 264330160703

Option 1 ID : 264330630145

Option 2 ID : 264330630146

Option 3 ID : 264330630143

Option 4 ID : 264330630144

Status : Answered

Chosen Option : 4

Q.64 As per IS 3495 part-3 (1992), soluble salts, if present in bricks, will cause efflorescence on the surface of bricks. If the white deposits cover about 10% of the surface, the efflorescence is said to be \_\_\_\_\_.

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

Question ID : 264330157860

Option 1 ID : 264330618799

Option 2 ID : 264330618801

Option 3 ID : 264330618800

Option 4 ID : 264330618802

Status : Answered

Chosen Option : 3

Q.65 The distance between two points measured during a hot summer by using a 30 m long chain was 2.4 km. At the end of the day's work, it was found that the chain was 2 decimetre longer. Which of the following is the correct option?

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

Question ID : 264330167218

Option 1 ID : 264330655869

Option 2 ID : 264330655867

Option 3 ID : 264330655870

Option 4 ID : 264330655868

Status : Answered

Chosen Option : 4

Q.66 The Froude number is the ratio of two forces, which are:

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

Question ID : 264330158928

Option 1 ID : 264330623072

Option 2 ID : 264330623074

Option 3 ID : 264330623071

Option 4 ID : 264330623073

Status : Answered

Chosen Option : 4

Q.67 With reference to compression members of steel structures, the slenderness ratio of compression is defined as the \_\_\_\_\_.

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

Question ID : 264330162708

Option 1 ID : 264330638152

Option 2 ID : 264330638154

Option 3 ID : 264330638151

Option 4 ID : 264330638153

Status : Answered

Chosen Option : 2

Q.68 Which of the following types of pumps should be selected in order to pump the sewage from a septic tank to the water treatment system?

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

Question ID : 264330158972

Option 1 ID : 264330623247

Option 2 ID : 264330623250

Option 3 ID : 264330623249

Option 4 ID : 264330623248

Status : Not Answered

Chosen Option : --

Q.69 A proper compaction of freshly prepared concrete results in:

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

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

Question ID : 264330100168

Option 1 ID : 264330393245

Option 2 ID : 264330393246

Option 3 ID : 264330393247

Option 4 ID : 264330393248

Status : Answered

Chosen Option : 2

Q.70 Which of the following types of trees belong to the endogenous trees?

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

Question ID : 264330157876

Option 1 ID : 264330618865

Option 2 ID : 264330618866

Option 3 ID : 264330618864

Option 4 ID : 264330618863

Status : Answered

Chosen Option : 4

Q.71 A fine grained soil has liquid limit of 55 and plastic limit of 20 as per plasticity chart. According to IS classification, the soil is represented by which of the following letter symbols?

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

Question ID : 26433096821

Option 1 ID : 264330380022

Option 2 ID : 264330380023

Option 3 ID : 264330380024

Option 4 ID : 264330380021

Status : Answered

Chosen Option : 3

Q.72 Match the following.

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

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

Question ID : 264330160689

Option 1 ID : 264330630089

Option 2 ID : 264330630088

Option 3 ID : 264330630090

Option 4 ID : 264330630087

Status : Answered

Chosen Option : 3

Q.73 To study the wind pressure effect on a hollow circular chimney, the projected area calculation is given as:

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

Question ID : 264330159397

Option 1 ID : 264330624947

Option 2 ID : 264330624949

Option 3 ID : 264330624950

Option 4 ID : 264330624948

Status : Answered

Chosen Option : 4

Q.74 To get the corresponding lengths, we must \_\_\_\_\_ one breadth to the long wall and \_\_\_\_\_ one breadth from the short wall from the centre line.

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

Question ID : 264330159830

Option 1 ID : 264330626669

Option 2 ID : 264330626670

Option 3 ID : 264330626668

Option 4 ID : 264330626667

Status : Answered

Chosen Option : 4

Q.75 Warning signs are also known as \_\_\_\_\_.

- Ans
- 1. mandatory signs
  - 2. regulatory signs
  - 3. prohibitory signs
  - 4. cautionary signs

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

Q.76 Which of the following is a type of contouring method that can be effectively used in a hilly terrain by setting radial lines?

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

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

Q.77 A reinforced concrete retaining structure that provides skeletal support to earthen materials is called \_\_\_\_\_.

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

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

Q.78 Which of the following methods explains the process of underwater concreting?

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

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

Question ID : 264330100169  
Option 1 ID : 264330393249  
Option 2 ID : 264330393251  
Option 3 ID : 264330393252  
Option 4 ID : 264330393250  
Status : Answered  
Chosen Option : 3

Q.79 The constant head permeability test is used for \_\_\_\_\_.

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

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

Q.80 Municipal solid waste is also known as:

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

Question ID : 26433099413  
Option 1 ID : 264330390267  
Option 2 ID : 264330390265  
Option 3 ID : 264330390266  
Option 4 ID : 264330390268  
Status : Not Answered  
Chosen Option : --

Q.81 The total amount of dissolved salts allowable concentrations in mixing water in order to obtain a good strength concrete in terms of parts per million (ppm) as per IS 456 is \_\_\_\_\_.

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

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

Q.82 During rainy season, if the rainfall is sufficient during the crop period, less quantity of irrigation water shall be required and therefore, the duty of the irrigation canal will be \_\_\_\_\_.

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

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

Q.83 The scrap value of a building is considered \_\_\_\_\_ of the cost of construction.

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

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

Q.84 Which of the following is NOT a field of application of sulphate-resisting cement?

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

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

Q.85 Which of the following keeps a record of receipts, issues and running balance of certain items of stock, especially of fitting items?

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

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

Q.86 To increase the seepage flow length, \_\_\_\_\_ are provided on the cut-off walls of the barrage or weir.

- Ans
- 1. toe walls
  - 2. sheet piles
  - 3. impervious floors
  - 4. inverted filters

Question ID : 264330160573  
Option 1 ID : 264330629626  
Option 2 ID : 264330629623  
Option 3 ID : 264330629625  
Option 4 ID : 264330629624  
Status : Answered  
Chosen Option : 2

Q.87 According to IS 456:2000, for limit state method of collapse in flexure, which of the following assumptions is correct?

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

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

**Q.88** Find the moment of resistance of a balanced singly reinforced beam using the following data.  
Grade of concrete : M20  
Grade of steel : Fe415  
b = width of the beam  
d = effective depth of the beam  
Use limit state method of design:

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

Question ID : 264330100804  
Option 1 ID : 264330395762  
Option 2 ID : 264330395763  
Option 3 ID : 264330395764  
Option 4 ID : 264330395761  
Status : Not Answered  
Chosen Option : --

**Q.89** The length of the first sub chord is 10 m and the radius of the curve is 200 m. Find the first tangential angle for setting out a circular curve.

- Ans
- 1.  $85.95^\circ$
  - 2.  $100^\circ$
  - 3.  $85.95'$
  - 4.  $100'$

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

**Q.90** Surfaces painted by \_\_\_\_\_ shine like radium dials after the source of light has been cut off.

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

Question ID : 264330160754  
Option 1 ID : 264330630347  
Option 2 ID : 264330630348  
Option 3 ID : 264330630349  
Option 4 ID : 264330630350  
Status : Answered  
Chosen Option : 2

Q.91 Select the correct option for the given statements.

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

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

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

Question ID : 264330157878

Option 1 ID : 264330618874

Option 2 ID : 264330618871

Option 3 ID : 264330618873

Option 4 ID : 264330618872

Status : Answered

Chosen Option : 2

Q.92 If the magnetic bearing of the Sun at a certain place in the Southern Hemisphere during noon is  $336^{\circ} 29'$ , then the magnetic declination at that place is \_\_\_\_\_.

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

Question ID : 264330160193

Option 1 ID : 264330628114

Option 2 ID : 264330628113

Option 3 ID : 264330628111

Option 4 ID : 264330628112

Status : Answered

Chosen Option : 3

Q.93 What is the minimum value of effective depth of a cantilever RCC beam of span 7 m to satisfy the vertical deflection limit as per IS 456-2000?

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

Question ID : 264330159654

Option 1 ID : 264330625977

Option 2 ID : 264330625978

Option 3 ID : 264330625975

Option 4 ID : 264330625976

Status : Answered

Chosen Option : 2

Q.94 A pump has to pump water through a pipeline of height of 10 m above the ground at a rate of  $0.2 \text{ m}^3/\text{sec}$ . The water in a sump tank is 5 m below the ground level. Neglect head loss due to friction, the pumping power required would be \_\_\_\_\_ (Consider  $g = 10 \text{ m/s}^2$ ).

- Ans
- 1. 30 KW
  - 2. 22 KW
  - 3. 25 KW
  - 4. 33 KW

Question ID : 26433091153  
Option 1 ID : 264330358021  
Option 2 ID : 264330358023  
Option 3 ID : 264330358022  
Option 4 ID : 264330358024  
Status : Not Answered  
Chosen Option : --

Q.95 Which of the following includes the cost of hire charges for the vehicle for an 8-hour working period in a day with the cost of the driver?

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

Question ID : 264330167539  
Option 1 ID : 264330657129  
Option 2 ID : 264330657127  
Option 3 ID : 264330657128  
Option 4 ID : 264330657130  
Status : Answered  
Chosen Option : 4

Q.96 In measurement of masonry activity, no deduction is made for \_\_\_\_\_.

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

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

Q.97 Which of the following statements with respect to characteristics of solid waste is correct?

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

Question ID : 26433099485

Option 1 ID : 264330390554

Option 2 ID : 264330390553

Option 3 ID : 264330390556

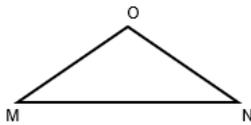
Option 4 ID : 264330390555

Status : Not Answered

Chosen Option : --

Q.98

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



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

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

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

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

Question ID : 264330160590

Option 1 ID : 264330629694

Option 2 ID : 264330629692

Option 3 ID : 264330629693

Option 4 ID : 264330629691

Status : Answered

Chosen Option : 3

Q.99 The repair works that are usually carried out every fourth year are known as \_\_\_\_\_.

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

Question ID : 26433091125

Option 1 ID : 264330357911

Option 2 ID : 264330357912

Option 3 ID : 264330357910

Option 4 ID : 264330357909

Status : Answered

Chosen Option : 1

Q.100 If a pitot tube is placed with its nose facing downstream, the liquid:

Ans

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

Question ID : 264330158931

Option 1 ID : 264330623085

Option 2 ID : 264330623083

Option 3 ID : 264330623086

Option 4 ID : 264330623084

Status : **Not Answered**

Chosen Option : --