

**SSC JE**

**Previous Year Paper**

**(Civil) Paper-I**

**10Oct, 2023 Shift**

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## Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

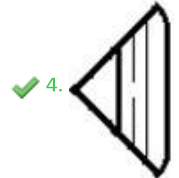
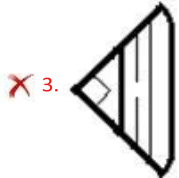
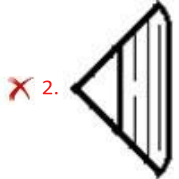
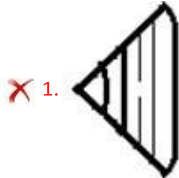
Roll Number	
Candidate Name	
Venue Name	
Exam Date	10/10/2023
Exam Time	5:00 PM - 7:00 PM
Subject	Junior Engineer 2023 Civil Paper I

Section : General Intelligence and Reasoning

Q.1 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans



Question ID : 26433074802

Option 1 ID : 264330293299

Option 2 ID : 264330293297

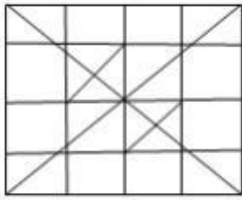
Option 3 ID : 264330293298

Option 4 ID : 264330293296

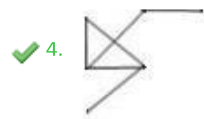
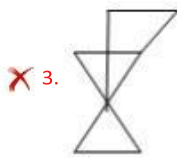
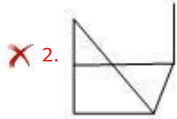
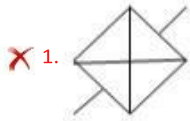
Status : Answered

Chosen Option : 4

Q.2 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).



Ans



Question ID : 264330144783  
 Option 1 ID : 264330567388  
 Option 2 ID : 264330567389  
 Option 3 ID : 264330567390  
 Option 4 ID : 264330567387  
 Status : Answered  
 Chosen Option : 4

Q.3 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

No cat is a dog.  
 All dogs are rats.  
 Some bears are cats.

Conclusions:

I. All rats can never be cats.  
 II. No bear is a rat.  
 III. All bears can never be dogs.

- Ans
- ✗ 1. Only I follows
  - ✓ 2. Only I and III follow
  - ✗ 3. Only II and III follow
  - ✗ 4. Only II follows

Question ID : 264330144507  
 Option 1 ID : 264330566283  
 Option 2 ID : 264330566284  
 Option 3 ID : 264330566286  
 Option 4 ID : 264330566285  
 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. Tissue
2. Organ
3. Nucleus
4. Organ system
5. Cells

Ans  1. 5 3 1 2 4

2. 3 5 1 2 4

3. 5 1 3 2 4

4. 3 1 5 2 4

Question ID : 264330131592

Option 1 ID : 264330515469

Option 2 ID : 264330515467

Option 3 ID : 264330515468

Option 4 ID : 264330515470

Status : Answered

Chosen Option : 2

Q.5 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/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)

(697, 13, 866)

(15, 91, 8296)

Ans  1. (832, 8, 887)

2. (747, 25, 1423)

3. (541, 14, 737)

4. (651, 16, 940)

Question ID : 264330144428

Option 1 ID : 264330565967

Option 2 ID : 264330565970

Option 3 ID : 264330565968

Option 4 ID : 264330565969

Status : Answered

Chosen Option : 3

Q.6 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/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)

(19, 53, 215)

(22, 15, 110)

- Ans
- 1. (15, 49, 199)
  - 2. (17, 47, 112)
  - 3. (13, 35, 143)
  - 4. (18, 50, 230)

Question ID : 264330144427  
Option 1 ID : 264330565964  
Option 2 ID : 264330565963  
Option 3 ID : 264330565965  
Option 4 ID : 264330565966  
Status : Answered  
Chosen Option : 3

Q.7 Select the word-pair in which the two words are related in the same way as are the two words in the given pair.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
Quadrilateral: Four

- Ans
- 1. Decagon : Eleven
  - 2. Nonagon : Nine
  - 3. Cube : Six
  - 4. Heptagon : Eight

Question ID : 264330117396  
Option 1 ID : 264330461627  
Option 2 ID : 264330461625  
Option 3 ID : 264330461628  
Option 4 ID : 264330461626  
Status : Answered  
Chosen Option : 2

Q.8 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.

BLG : DPM :: HSD: JWJ :: ? : HOV

- Ans
- 1. FKP
  - 2. FLP
  - 3. FJQ
  - 4. GKP

Question ID : 264330144560  
Option 1 ID : 264330566496  
Option 2 ID : 264330566497  
Option 3 ID : 264330566495  
Option 4 ID : 264330566498  
Status : Answered  
Chosen Option : 1

Q.9 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Horse
2. Monkey
3. Elephant
4. Grasshopper
5. Ant

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

2. 3, 1, 2, 4, 5

3. 1, 2, 5, 3, 4

4. 1, 3, 2, 4, 5

Question ID : 26433074672

Option 1 ID : 264330292778

Option 2 ID : 264330292776

Option 3 ID : 264330292779

Option 4 ID : 264330292777

Status : Answered

Chosen Option : 2

Q.10 In a certain code language, 'AUDIT' is coded as BWGHR and 'HEAVY' is coded as IGDUIW.  
How will 'INDEX' be coded in that language?

1. JPGDV

2. KPGDU

3. KPHDW

4. JQHDV

Question ID : 264330133212

Option 1 ID : 264330521896

Option 2 ID : 264330521897

Option 3 ID : 264330521898

Option 4 ID : 264330521895

Status : Answered

Chosen Option : 1

Ans

Q.11 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?

12 : 2 :: ? : 4 :: 243 : 9

Ans  1. 48

2. 24

3. 25

4. 36

Question ID : 264330144872

Option 1 ID : 264330567746

Option 2 ID : 264330567745

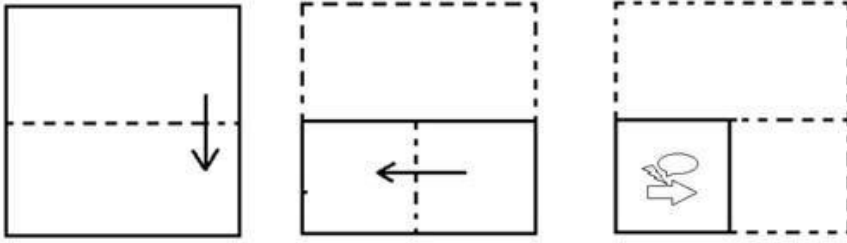
Option 3 ID : 264330567743

Option 4 ID : 264330567744

Status : Answered

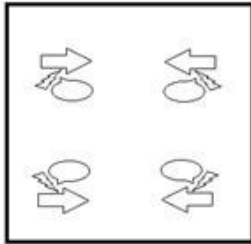
Chosen Option : 1

Q.12 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.

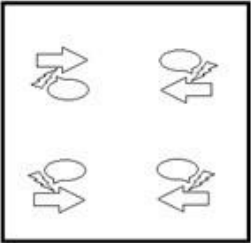


Ans

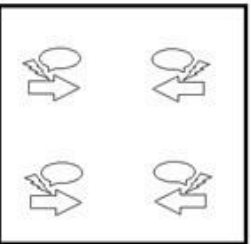
✓ 1.



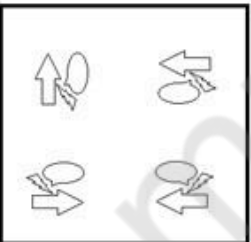
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330103214

Option 1 ID : 264330405163

Option 2 ID : 264330405161

Option 3 ID : 264330405162

Option 4 ID : 264330405164

Status : Answered

Chosen Option : 1

Q.13 Cricket commentators – Boycott, Sidhu, Sunny, Shastri, and Harsha along with two guest speakers Kapil and Srikanth – have to sit in a row to get a photograph taken. Harsha and Shastri being the youngest among the group sit on either side. Since Kapil and Srikanth are guest speakers they sit together. But Kapil and Sunny do not get along with each other and should be seated with at least 2 persons between them. Sidhu being the victim of all their leg-pulling is upset and sits with one of the young commentators. Among the following, who could be seated at the centre?

- Ans
- 1. Sidhu
  - 2. Boycott
  - 3. Sunny
  - 4. Harsha

Question ID : 26433081632  
Option 1 ID : 264330320362  
Option 2 ID : 264330320364  
Option 3 ID : 264330320361  
Option 4 ID : 264330320363  
Status : Answered  
Chosen Option : 2

Q.14 Six students P, Q, R, S, T and U are sitting around a circular table facing the centre. R is an immediate neighbour of both T and U. P is sitting third to the right of U. Q is sitting immediate left to S. S is sitting second to the right of P. What is the position of T with respect to P?

- 1. Immediate left
- 2. Second to the left
- 3. Immediate right
- 4. Third to the right

Question ID : 26433056897  
Option 1 ID : 264330222574  
Option 2 ID : 264330222573  
Option 3 ID : 264330222572  
Option 4 ID : 264330222575  
Status : Answered  
Chosen Option : 1

Ans

Q.15 Select the number from among the given options that can replace the question mark (?) in the following series.  
18, 34, 40, 78, 84, 166, 172, ?

- Ans
- 1. 344
  - 2. 342
  - 3. 324
  - 4. 322

Question ID : 26433078932  
Option 1 ID : 264330309742  
Option 2 ID : 264330309743  
Option 3 ID : 264330309740  
Option 4 ID : 264330309741  
Status : Answered  
Chosen Option : 2



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

SXT, PVU, MTV, JRW, ?

- Ans
- 1. HPZ
  - 2. GQY
  - 3. GOZ
  - 4. GPX

Question ID : 264330144575  
Option 1 ID : 264330566555  
Option 2 ID : 264330566556  
Option 3 ID : 264330566558  
Option 4 ID : 264330566557  
Status : Answered  
Chosen Option : 4

Q.17 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Vacuum
2. Vague
3. Vacancy
4. Valley
5. Vaccinate

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

Question ID : 264330129556  
Option 1 ID : 264330507592  
Option 2 ID : 264330507591  
Option 3 ID : 264330507593  
Option 4 ID : 264330507590  
Status : Answered  
Chosen Option : 2

Ans

Q.18 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/numbers of consonants/vowels in the word)

UK : POUND

- Ans
- 1. GERMANY : LIRA
  - 2. IRAQ : KYAT
  - 3. DUBAI : TAKA
  - 4. THAILAND : BAHT

Question ID : 264330144614  
Option 1 ID : 264330566712  
Option 2 ID : 264330566714  
Option 3 ID : 264330566711  
Option 4 ID : 264330566713  
Status : Answered  
Chosen Option : 4

Q.19 In a certain code language, "DISTRUST" is written as "24" and "ABASEMENT" is written as "27". How will "BUFFER" be written in that language?

- Ans
- 1. 32
  - 2. 28
  - 3. 18
  - 4. 24

Question ID : 264330132328  
Option 1 ID : 264330518409  
Option 2 ID : 264330518410  
Option 3 ID : 264330518408  
Option 4 ID : 264330518407  
Status : Answered  
Chosen Option : 3

Q.20 Which of the following numbers will replace the question mark (?) in the given series?  
32, 49, ?, 89, 112, 137, 164

- 1. 64
- 2. 66
- 3. 68
- 4. 72

Question ID : 264330103127  
Option 1 ID : 264330404813  
Option 2 ID : 264330404815  
Option 3 ID : 264330404816  
Option 4 ID : 264330404814  
Status : Answered  
Chosen Option : 3

Ans

Q.21 Select the set in which the numbers are related in the same way as are the numbers of the following set.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 - Operations on 13 such as adding/subtraction/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) (5, 3, 6)

(7, 2, 17)

- Ans
- 1. (3, 2, 5)
  - 2. (8, 6, 4)
  - 3. (4, 3, 1)
  - 4. (15, 4, 30)

Question ID : 264330144448  
Option 1 ID : 264330566050  
Option 2 ID : 264330566047  
Option 3 ID : 264330566049  
Option 4 ID : 264330566048  
Status : Not Attempted and  
Marked For Review  
Chosen Option : ..

Q.22 A woman said to a man, "Your paternal grandfather is the husband of the mother-in-law of my brother's wife". How is that man related to that woman?

Ans  1. Brother's son

2. Son

3. Father

4. Brother

Question ID : 26433086252

Option 1 ID : 264330338702

Option 2 ID : 264330338704

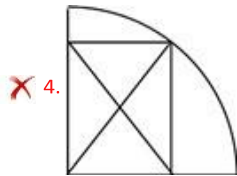
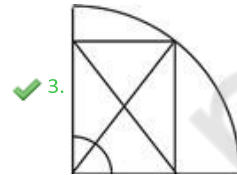
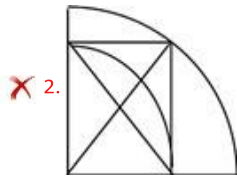
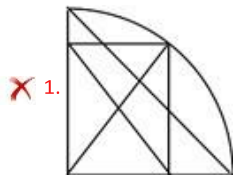
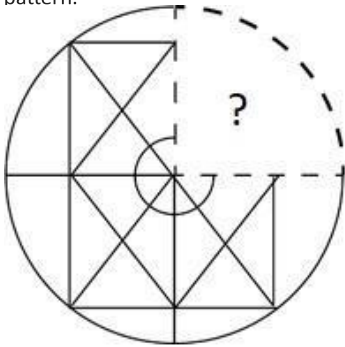
Option 3 ID : 264330338701

Option 4 ID : 264330338703

Status : Answered

Chosen Option : 1

Q.23 Select the figure from the options that can replace the question mark (?) and complete the pattern.



Ans

Question ID : 26433092788

Option 1 ID : 264330364441

Option 2 ID : 264330364443

Option 3 ID : 264330364444

Option 4 ID : 264330364442

Status : Answered

Chosen Option : 3

Q.24 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.

\_ E I \_ U A \_ I O \_ \_ E \_ O U A \_ I O U

Ans  1. AOEUAIE

2. AIEOOUI

3. OAEUIAE

4. OOAIOEI

Question ID : 264330144496

Option 1 ID : 264330566242

Option 2 ID : 264330566239

Option 3 ID : 264330566241

Option 4 ID : 264330566240

Status : Answered

Chosen Option : 1

Q.25 Which letter-cluster will replace the question mark (?) to complete the given series?

IYMV, JXNU, LVPS, ?, SOWL

1. POSO

2. OPPS

3. OSPS

4. OSSP

Question ID : 264330144498

Option 1 ID : 264330566249

Option 2 ID : 264330566250

Option 3 ID : 264330566248

Option 4 ID : 264330566247

Status : Answered

Chosen Option : 4

Ans

Q.26 A person starts from point H and moves 4 km towards the west. He turns left and moves 6 km. He then turns right and moves 2 km and turns left and moves 1 km. He then takes a left turn and moves 6 km and stops at point D. How much and in which direction does he need to move to reach point H?

Ans  1. 5 km, East

2. 4 km, North

3. 6 km, East

4. 7 km, North

Question ID : 264330122430

Option 1 ID : 264330479843

Option 2 ID : 264330479846

Option 3 ID : 264330479844

Option 4 ID : 264330479845

Status : Answered

Chosen Option : 4

Q.27 Select the option that is related to the third word in the same way as the second word is related to the first word.

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

Ans  1. Toe

2. Hand

3. Neck

4. Spine

Question ID : 26433076682

Option 1 ID : 264330300792

Option 2 ID : 264330300794

Option 3 ID : 264330300793

Option 4 ID : 264330300795

Status : Answered

Chosen Option : 1

Q.28 In a certain code language, 'MENTAL' is written as '103' and 'RULE' is written as '56'. How will 'VERBAL' be written in that language?

Ans  1. 114

2. 102

3. 100

4. 108

Question ID : 264330144551

Option 1 ID : 264330566461

Option 2 ID : 264330566459

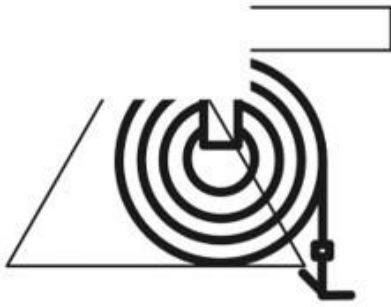
Option 3 ID : 264330566462

Option 4 ID : 264330566460

Status : Answered

Chosen Option : 4

Q.29 Which of the following option figures will complete the pattern in the figure given below?



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 26433080584

Option 1 ID : 264330316271

Option 2 ID : 264330316272

Option 3 ID : 264330316270

Option 4 ID : 264330316269

Status : Answered

Chosen Option : 3

Q.30 Shruti departs from her home and walks 26 m towards the east. She then turns left and walks 18 m.

She turns right and walks 34 m. She takes a right turn again and walks 30 m. She then takes a left turn and walks 10 m. She takes a final left turn and walks 12 m to stop at Point X. How far and in which direction is her home from Point X?

(Assume that all the turns are 90° turns only.)

Ans ✗ 1. 65 m east

✗ 2. 55 m east

✓ 3. 70 m west

✗ 4. 60 m west

Question ID : 264330131635

Option 1 ID : 264330515642

Option 2 ID : 264330515641

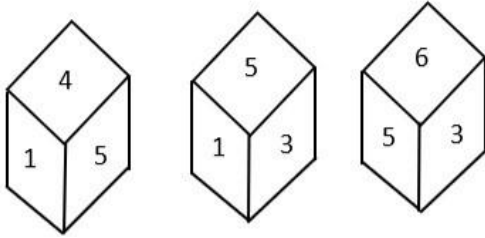
Option 3 ID : 264330515639

Option 4 ID : 264330515640

Status : Answered

Chosen Option : 3

Three different positions of the same dice are shown. Find the number on the face opposite the face having '2'.



Q.31

Ans  1. 5

2. 6

3. 4

4. 1

Question ID : 26433068718

Option 1 ID : 264330269386

Option 2 ID : 264330269387

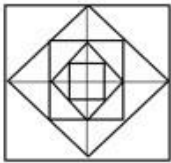
Option 3 ID : 264330269385

Option 4 ID : 264330269384

Status : Answered

Chosen Option : 1

Q.32 How many square are there in the given figure?



Ans  1. 20

2. 16

3. 17

4. 18

Question ID : 264330144812

Option 1 ID : 264330567505

Option 2 ID : 264330567503

Option 3 ID : 264330567504

Option 4 ID : 264330567506

Status : Answered

Chosen Option : 3

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

R W 5 B Z 7

P \_\_\_\_\_ Q

Q.33

Ans

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

Question ID : 26433056843

Option 1 ID : 264330222357

Option 2 ID : 264330222356

Option 3 ID : 264330222359

Option 4 ID : 264330222358

Status : Answered

Chosen Option : 3

Q.34 Select the correct combination of mathematical signs to sequentially replace the \* signs and balance the given equation.

$$5 * 25 * 5 * 11 * 9 = 23$$

Ans

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

Question ID : 26433068593

Option 1 ID : 264330268886

Option 2 ID : 264330268884

Option 3 ID : 264330268887

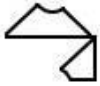
Option 4 ID : 264330268885

Status : Answered

Chosen Option : 2

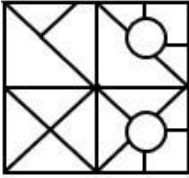


Q.35 Select the option in which the given figure is embedded (rotation is NOT allowed).

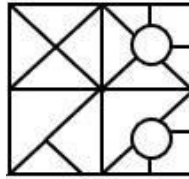


Ans

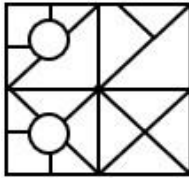
1.



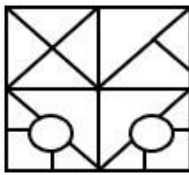
2.



3.



4.



Question ID : 264330129546

Option 1 ID : 264330507550

Option 2 ID : 264330507551

Option 3 ID : 264330507553

Option 4 ID : 264330507552

Status : Answered

Chosen Option : 2

Q.36 Select the option that represents the correct order of the given words as they would appear in an

English dictionary.

1. Spear
2. Specific
3. Special
4. Species
5. Sparrow

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

2. 5, 1, 4, 3, 2

3. 5, 1, 3, 4, 2

4. 5, 3, 1, 4, 2

Question ID : 264330129555

Option 1 ID : 264330507588

Option 2 ID : 264330507587

Option 3 ID : 264330507589

Option 4 ID : 264330507586

Status : Answered

Chosen Option : 3

Q.37 Which letter-cluster will replace the question mark (?) to complete the given series?

HCYU, AKUO, TSQI, ?, FIIA

- Ans
- 1. NAME
  - 2. NBNF
  - 3. MAME
  - 4. MBMF

Question ID : 264330144623  
Option 1 ID : 264330566747  
Option 2 ID : 264330566750  
Option 3 ID : 264330566749  
Option 4 ID : 264330566748  
Status : Answered  
Chosen Option : 3

Q.38 Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

RGY : OEV :: GPS : DNP :: ? : MKP

- 1. ONS
- 2. OMR
- 3. PNS
- 4. PMS

Question ID : 264330144561  
Option 1 ID : 264330566499  
Option 2 ID : 264330566501  
Option 3 ID : 264330566502  
Option 4 ID : 264330566500  
Status : Answered  
Chosen Option : 4

Ans

Q.39 In a certain code language, 'COUNTRY' is coded as '73', and 'MAP' is coded as '51'. How will 'TRAVEL' be coded in that language?

- Ans
- 1. 124
  - 2. 90
  - 3. 69
  - 4. 84

Question ID : 264330144602  
Option 1 ID : 264330566663  
Option 2 ID : 264330566665  
Option 3 ID : 264330566664  
Option 4 ID : 264330566666  
Status : Answered  
Chosen Option : 4

Q.40 Which two signs should be interchanged to make the given equation correct?  $11 \times 12 \div 78 + 6 - 57 = 88$

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

Question ID : 264330129534  
Option 1 ID : 264330507503  
Option 2 ID : 264330507504  
Option 3 ID : 264330507502  
Option 4 ID : 264330507505  
Status : Answered  
Chosen Option : 1

Q.41 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:  
All microwaves are ovens.  
No oven is an induction.

Conclusions:  
I. At least some microwaves are inductions.  
II. No microwave is an induction.

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

Question ID : 264330144657  
Option 1 ID : 264330566885  
Option 2 ID : 264330566883  
Option 3 ID : 264330566884  
Option 4 ID : 264330566886  
Status : Answered  
Chosen Option : 3

Ans

Q.42 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).  
Dishonesty : Distrust :: Carelessness : \_\_\_\_\_

- Ans
- 1. Gift
  - 2. Habit
  - 3. Emotion
  - 4. Accident

Question ID : 26433078841  
Option 1 ID : 264330309376  
Option 2 ID : 264330309378  
Option 3 ID : 264330309379  
Option 4 ID : 264330309377  
Status : Answered  
Chosen Option : 4

Q.43 A is the sister of B.  
C is the husband of B. D  
is the father of A.  
How is D related to C?

- Ans
- 1. Father
  - 2. Brother
  - 3. Wife's father
  - 4. Wife's brother

Question ID : 26433092475  
Option 1 ID : 264330363189  
Option 2 ID : 264330363192  
Option 3 ID : 264330363190  
Option 4 ID : 264330363191  
Status : Answered  
Chosen Option : 3

Q.44 Seven friends A, B, C, D, E, F and G, each has a different age. C is older than D. A is the youngest among all. Only four people are older than C. E is older than G but younger than F. F is not the oldest. The age of how many persons is between the ages of B and G?

- 1. 2
- 2. 0
- 3. 3
- 4. 1

Question ID : 264330144649  
Option 1 ID : 264330566852  
Option 2 ID : 264330566854  
Option 3 ID : 264330566853  
Option 4 ID : 264330566851  
Status : Answered  
Chosen Option : 1

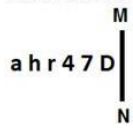
Ans

Q.45 If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?  $13 - 182 \times 14 \div 25 + 16 = ?$

- Ans
- 1. 155
  - 2. 169
  - 3. 178
  - 4. 182

Question ID : 264330126063  
Option 1 ID : 264330493924  
Option 2 ID : 264330493925  
Option 3 ID : 264330493926  
Option 4 ID : 264330493927  
Status : Answered  
Chosen Option : 3

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



Q.46

Ans

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

Question ID : 26433056963  
Option 1 ID : 264330222836  
Option 2 ID : 264330222838  
Option 3 ID : 264330222837  
Option 4 ID : 264330222839

Status : Answered

Chosen Option : 1

Q.47 Select the number from among the given options that can replace the question mark (?) in the following series.

97, 97, 82, 82, 67, 67, ?

- 1. 52
- 2. 54
- 3. 60
- 4. 56

Question ID : 26433095003  
Option 1 ID : 264330372833  
Option 2 ID : 264330372836  
Option 3 ID : 264330372834  
Option 4 ID : 264330372835

Status : Answered

Chosen Option : 1

Ans

Q.48 Which of the following terms will replace the question mark (?) in the given series? ABDG, ?, EFHK, GHJM, IJLO

Ans

- 1. DCFI
- 2. CDFI
- 3. CDIF
- 4. DCIF

Question ID : 26433089472  
Option 1 ID : 264330351392  
Option 2 ID : 264330351390  
Option 3 ID : 264330351391  
Option 4 ID : 264330351389

Status : Answered

Chosen Option : 2

Q.49 Which two signs should be interchanged to make the given equation correct?  
 $35 + 84 \times 4 \div 3 - 11 = 87$

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

Question ID : 264330129531  
Option 1 ID : 264330507491  
Option 2 ID : 264330507492  
Option 3 ID : 264330507490  
Option 4 ID : 264330507493  
Status : Answered  
Chosen Option : 1

Q.50 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.  
 $9 : 30 :: 11 : 36 :: 15 : ?$

- Ans  1. 40  
 2. 50  
 3. 48  
 4. 35

Question ID : 264330122553  
Option 1 ID : 264330480336  
Option 2 ID : 264330480338  
Option 3 ID : 264330480337  
Option 4 ID : 264330480335  
Status : Answered  
Chosen Option : 3

Section : General Awareness

Q.1 Vinai Kumar Saxena, who took over as the 22nd Lieutenant Governor of Delhi on 26th May 2022, hails from \_\_\_\_\_.

- Ans  1. Uttar Pradesh  
 2. Madhya Pradesh  
 3. Odisha  
 4. Jharkhand

Question ID : 264330132585  
Option 1 ID : 264330519437  
Option 2 ID : 264330519438  
Option 3 ID : 264330519435  
Option 4 ID : 264330519436  
Status : Not Answered  
Chosen Option : --

Q.2 Which of the following compounds is a heterocyclic compound?

- Ans  1. Furan  
 2. Acetic acid  
 3. Ethane  
 4. Methane

Question ID : 264330131670  
Option 1 ID : 264330515779  
Option 2 ID : 264330515782  
Option 3 ID : 264330515781  
Option 4 ID : 264330515780  
Status : Answered  
Chosen Option : 2

Q.3 Select the correct statement.

- Ans  1. An open ecosystem exchanges both energy and matter with its surroundings.  
 2. A closed ecosystem exchanges both energy and matter with its surroundings.  
 3. A closed ecosystem exchanges only matter and no energy with its surroundings.  
 4. An open ecosystem exchanges only energy and no matter with its surroundings.

Question ID : 264330112835  
Option 1 ID : 264330443425  
Option 2 ID : 264330443428  
Option 3 ID : 264330443426  
Option 4 ID : 264330443427  
Status : Not Answered  
Chosen Option : --

Q.4 Which letter symbol represents the Semi-arid steppe climate according to Köppen's scheme?

- Ans  1. As  
 2. Cwg  
 3. BShw  
 4. Dfc

Question ID : 264330113788  
Option 1 ID : 264330447239  
Option 2 ID : 264330447240  
Option 3 ID : 264330447237  
Option 4 ID : 264330447238  
Status : Not Answered  
Chosen Option : --

Q.5 In which of the following cases has the Supreme Court of India opined that the Constitution of India is founded on the bedrock of the balance between the Fundamental Rights and Directive Principles of State Policy?

- Ans  1. Minerva Mills Case  
 2. Keshvananda Bharati Case  
 3. Maneka Gandhi case  
 4. Golaknath Case

Question ID : 264330130435  
Option 1 ID : 264330510852  
Option 2 ID : 264330510851  
Option 3 ID : 264330510853  
Option 4 ID : 264330510854  
Status : Answered  
Chosen Option : 2

Q.6 Duleep Trophy is a first class \_\_\_\_\_ tournament held in India.

- Ans
- 1. football
  - 2. volleyball
  - 3. cricket
  - 4. tennis

Question ID : 264330119251  
Option 1 ID : 264330467293  
Option 2 ID : 264330467294  
Option 3 ID : 264330467291  
Option 4 ID : 264330467292  
Status : Not Answered  
Chosen Option : --

Q.7 Which muscles can help modify the curvature in an eye lens?

- Ans
- 1. Glandular muscles
  - 2. Ciliary muscles
  - 3. Smooth muscles
  - 4. Cardiac

Question ID : 264330134850  
Option 1 ID : 264330528338  
Option 2 ID : 264330528337  
Option 3 ID : 264330528336  
Option 4 ID : 264330528335  
Status : Not Answered  
Chosen Option : --

Q.8 In which state of India is shifting cultivation known as 'Bunga'?

- Ans
- 1. Madhya Pradesh
  - 2. Andhra Pradesh
  - 3. Odisha
  - 4. Manipur

Question ID : 264330116452  
Option 1 ID : 264330457894  
Option 2 ID : 264330457896  
Option 3 ID : 264330457893  
Option 4 ID : 264330457895  
Status : Not Answered  
Chosen Option : --

Q.9 What are the places where the groundwater is stored between layers of hard rock below the water table called?

- Ans
- 1. Water table
  - 2. Aquifer
  - 3. Infiltration
  - 4. Underground water

Question ID : 26433064776  
Option 1 ID : 264330253696  
Option 2 ID : 264330253698  
Option 3 ID : 264330253699  
Option 4 ID : 264330253697  
Status : Answered  
Chosen Option : 2



Q.10 Biodiversity is defined as a:

- Ans
- 1. single variety of living organism
  - 2. wide variety of soil
  - 3. wide variety of climates
  - 4. wide variety of living organisms

Question ID : 264330109929  
Option 1 ID : 264330431994  
Option 2 ID : 264330431996  
Option 3 ID : 264330431995  
Option 4 ID : 264330431993  
Status : Answered  
Chosen Option : 4

Q.11 Which of the following monuments was built by Muhammad Quli Qutb Shah?

- Ans
- 1. Gol Gumbaz
  - 2. Charminar
  - 3. Chowmahalla Palace
  - 4. Warangal Fort

Question ID : 26433089196  
Option 1 ID : 264330350303  
Option 2 ID : 264330350304  
Option 3 ID : 264330350301  
Option 4 ID : 264330350302  
Status : Not Answered  
Chosen Option : ...

Q.12 Which of the following is the correct sentence about the mitotic cell division?

- 1. Chromosomes divide in a manner that the daughter cells receive high amounts of hereditary matter.
- 2. Chromosomes divide in a manner that the daughter cells receive identical amounts of hereditary matter.
- 3. Chromosomes divide in a manner that completely different daughter cells receive unidentical amount hereditary matter.
- 4. Chromosomes divide in a manner that the daughter cells receive less amounts of hereditary matter.

Question ID : 264330111556  
Option 1 ID : 264330438311  
Option 2 ID : 264330438310  
Option 3 ID : 264330438309  
Option 4 ID : 264330438312  
Status : Not Answered  
Chosen Option : ...

Ans

Q.13 Pandit Shrivnath Mishra, Padma Shri Awardee in 2022, is well known for his contribution to which of the following musical instruments?

- Ans
- 1. Sitar
  - 2. Surbahar
  - 3. Violin
  - 4. Mandolin

Question ID : 26433071502  
Option 1 ID : 264330280433  
Option 2 ID : 264330280435  
Option 3 ID : 264330280432  
Option 4 ID : 264330280434  
Status : Not Answered  
Chosen Option : ..

Q.14 While Proclamation of emergency is in operation, the term of the Lok Sabha can be extended for a period not exceeding \_\_\_\_\_ at a time.

- 1. six weeks
- 2. six months
- 3. one year
- 4. three months

Question ID : 264330130486  
Option 1 ID : 264330511055  
Option 2 ID : 264330511057  
Option 3 ID : 264330511058  
Option 4 ID : 264330511056  
Status : Answered  
Chosen Option : 3

Ans

Q.15 Which of the following risks, with reference to the usage of technology during green revolution, was significantly reduced by the services provided by the research institutes established by the government? Ans

- 1. Regional disparities
- 2. Inter-crop imbalances
- 3. Increase in income inequalities
- 4. Pest attacks

Question ID : 264330144392  
Option 1 ID : 264330565826  
Option 2 ID : 264330565825  
Option 3 ID : 264330565824  
Option 4 ID : 264330565823  
Status : Not Answered  
Chosen Option : ..

Q.16 In which year was India's first paperless budget presented in the Parliament?

- Ans
- 1. 2022
  - 2. 2020
  - 3. 2019
  - 4. 2021

Question ID : 264330109359  
Option 1 ID : 264330429716  
Option 2 ID : 264330429714  
Option 3 ID : 264330429713  
Option 4 ID : 264330429715  
Status : Not Answered  
Chosen Option : --

Q.17 In August 2022, Shri Jagdeep Dhankhar took over as the 14th Vice President of India and Chairman of Rajya Sabha. Which of the following posts has he NOT served earlier?

- Ans
- 1. President of the Rajasthan Cricket Association
  - 2. Governor of West Bengal
  - 3. Minister of State for Parliamentary Affairs
  - 4. MP, Jhunjhunu, Rajasthan

Question ID : 264330156988  
Option 1 ID : 264330615330  
Option 2 ID : 264330615327  
Option 3 ID : 264330615329  
Option 4 ID : 264330615328  
Status : Not Answered  
Chosen Option : --

Q.18 At which place was India's first Grass Conservatory launched by the Research Wing of the Uttarakhand Forest Department in November 2021?

- 1. Ranikhet
- 2. Mussoorie
- 3. Haridwar
- 4. Dehradun

Question ID : 26433082803  
Option 1 ID : 264330325045  
Option 2 ID : 264330325047  
Option 3 ID : 264330325048  
Option 4 ID : 264330325046  
Status : Not Answered  
Chosen Option : --

Ans

Q.19 Identify which of the following statements about Tata Iron and Steel plant are correct.

1. It is lies very close to the Mumbai-Kolkata railway line and about 240 km away fromKolkata.
2. The rivers Subarnarekha and Kharkai provide water to the plant.
3. The iron ore for the plant comes from Noamundi and Badam Pahar.
4. The Coking coal for the plant comes from Jharia and west Bokaro coalfields.

Ans  1. 1, 2, 3 and 4

2. 2 and 3 only

3. 1, 3 and 4 only

4. 1, 2 and 3 only

Question ID : 264330121487  
Option 1 ID : 264330476134  
Option 2 ID : 264330476131  
Option 3 ID : 264330476132  
Option 4 ID : 264330476133  
Status : Not Answered  
Chosen Option : ..

Q.20 Which hard, rubbery and elastic material has the ability to stretch and rise due to the action of baking powder or yeast?

1. Gluten

2. Gelatine

3. Secalin

4. Hordein

Question ID : 264330144344  
Option 1 ID : 264330565636  
Option 2 ID : 264330565637  
Option 3 ID : 264330565635  
Option 4 ID : 264330565638  
Status : Not Answered  
Chosen Option : ..

Ans

Q.21 Which of the following is the style of temple architecture popular in northern India?

Ans  1. Mandapa

2. Dravida

3. Nagara

4. Vimana

Question ID : 26433071465  
Option 1 ID : 264330280287  
Option 2 ID : 264330280284  
Option 3 ID : 264330280286  
Option 4 ID : 264330280285  
Status : Not Answered  
Chosen Option : ..

Q.22 How much wage compensation per trainee is provided under PM DAKSH Yojana including Common Cost Norms for trainees having 80% and above attendance in Reskilling/Upskilling?

- Ans
- 1. ₹2,000
  - 2. ₹3,000
  - 3. ₹5,000
  - 4. ₹4,000

Question ID : 264330156919  
Option 1 ID : 264330615051  
Option 2 ID : 264330615053  
Option 3 ID : 264330615054  
Option 4 ID : 264330615052  
Status : Not Answered  
Chosen Option : ..

Q.23 Match the columns.

Names of Cyclones

- i. Cyclone Tauktae
- ii. Cyclone Yaas
- iii. Hurricane Katrina
- iv. Hurricane Ingrid

Water body from where they developed

- a. Bay of Bengal
- b. Gulf of Mexico
- c. Arabian Sea
- d. Atlantic Ocean

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

Question ID : 264330138009  
Option 1 ID : 264330540646  
Option 2 ID : 264330540643  
Option 3 ID : 264330540645  
Option 4 ID : 264330540644  
Status : Not Answered  
Chosen Option : ..

Q.24 In which Province of India was the Bardoli Satyagraha launched?

- Ans
- 1. Bihar
  - 2. Gujarat
  - 3. Kerala
  - 4. Tamil Nadu

Question ID : 264330112166  
Option 1 ID : 264330440752  
Option 2 ID : 264330440749  
Option 3 ID : 264330440750  
Option 4 ID : 264330440751  
Status : Not Answered  
Chosen Option : ..

Q.25 Who among the following become the first Indian player to get elected in the Athletes' Commission of the International Table Tennis Federation (ITTF)?

- Ans
- 1. Omar Assar
  - 2. Kamlesh Navichandra Mehta
  - 3. Sathiyar Gnanasekaran
  - 4. Sharath Achanta Kamal

Question ID : 264330137296  
Option 1 ID : 264330537812  
Option 2 ID : 264330537811  
Option 3 ID : 264330537813  
Option 4 ID : 264330537814  
Status : Not Answered  
Chosen Option : ..

Q.26 How many members' signatures are required to initiate the impeachment process against the President of India.

- 1. In case of Rajya Sabha i.e. 1/4 members, in case of Lok Sabha 1/3 members
- 2. In case of Lok Sabha 100 members, in case of Rajya Sabha 50 members
- 3. 1/4 members of the impeaching house either Lok Sabha or Rajya Sabha
- 4. 1/3 members of the impeaching house either Lok Sabha or Rajya Sabha

Question ID : 264330119645  
Option 1 ID : 264330468857  
Option 2 ID : 264330468858  
Option 3 ID : 264330468856  
Option 4 ID : 264330468855  
Status : Answered  
Chosen Option : 3

Ans

Q.27 How can you insert a new row or column MS Excel?

- Ans
- 1. Use the 'Copy' and 'Paste' options to insert data.
  - 2. Apply a new cell style to the entire row or column.
  - 3. Right-click the row or column and choose 'Insert'.
  - 4. Select a row or column and press the 'Enter' key.

Question ID : 264330168594  
Option 1 ID : 264330661189  
Option 2 ID : 264330661190  
Option 3 ID : 264330661188  
Option 4 ID : 264330661187  
Status : Not Attempted and Marked For Review  
Chosen Option : ..

Q.28 What is the diameter of the largest lens objective used at Yerkes Observatory in Wisconsin, USA?

- Ans
- 1. 60 inches
  - 2. 70 inches
  - 3. 30 inches
  - 4. 40 inches

Question ID : 264330141670  
Option 1 ID : 264330554999  
Option 2 ID : 264330555002  
Option 3 ID : 264330555001  
Option 4 ID : 264330555000  
Status : Not Answered  
Chosen Option : --

Q.29 Bagurumba is a folk dance of which tribe of Assam?

- Ans
- 1. Kachari
  - 2. Bodo
  - 3. Miri
  - 4. Rabha

Question ID : 26433072627  
Option 1 ID : 264330284771  
Option 2 ID : 264330284768  
Option 3 ID : 264330284769  
Option 4 ID : 264330284770  
Status : Not Answered  
Chosen Option : --

Q.30 Who invites the leader of the majority party to form the Government?

- Ans
- 1. Chief Justice of India
  - 2. Chief Secretary
  - 3. Vice-President
  - 4. President

Question ID : 264330112757  
Option 1 ID : 264330443115  
Option 2 ID : 264330443116  
Option 3 ID : 264330443113  
Option 4 ID : 264330443114  
Status : Answered  
Chosen Option : 4

Q.31 The trial for Meerut conspiracy took place under whose Viceroyalty?

- Ans
- 1. Lord Chelmsford
  - 2. Lord Reading
  - 3. Lord Irwin
  - 4. Lord Harding

Question ID : 264330109040  
Option 1 ID : 264330428438  
Option 2 ID : 264330428439  
Option 3 ID : 264330428440  
Option 4 ID : 264330428437  
Status : Not Answered  
Chosen Option : --

Q.32 Which of the following statements is related to Garib Kalyan Rojgar Abhiyaan (GKRA)? Ans ✓

1. It was started in 10 states.

✗ 2. It provides 135 days employment.

✗ 3. It was launched in 2018.

✗ 4. It was started in 116 districts.

Question ID : 264330157097  
Option 1 ID : 264330615762  
Option 2 ID : 264330615760  
Option 3 ID : 264330615759  
Option 4 ID : 264330615761  
Status : Not Answered  
Chosen Option : ..

Q.33 How many members were given the task of taking care of administration of the Mauryan army?

✗ 1. 35

✗ 2. 25

✓ 3. 30

✗ 4. 20

Question ID : 264330112134  
Option 1 ID : 264330440624  
Option 2 ID : 264330440622  
Option 3 ID : 264330440623  
Option 4 ID : 264330440621  
Status : Not Attempted and  
Marked For Review  
Chosen Option : ..

Ans

Q.34 According to which Article of the Indian Constitution is the population census a Union subject?

Ans ✓ 1. Article 246

✗ 2. Article 79

✗ 3. Article 154

✗ 4. Article 280

Question ID : 264330111343  
Option 1 ID : 264330437457  
Option 2 ID : 264330437459  
Option 3 ID : 264330437458  
Option 4 ID : 264330437460  
Status : Not Answered  
Chosen Option : ..



Match the following columns.

**Column-A (Type of Forest)**

- i. Himalayan Coniferous
- ii. Deciduous-Dry
- iii. Mangrove Delta
- iv. Evergreen North-east, Western Ghats

**Column-B (Example of Plant)**

- a. Pine, deodar
- b. Avicennia
- c. Teak, Ain, Terminalia
- d. Jamun, Ficus, Dipterocarpus

Q.35

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

Question ID : 264330120048  
Option 1 ID : 264330470448  
Option 2 ID : 264330470450  
Option 3 ID : 264330470447  
Option 4 ID : 264330470449  
Status : Not Answered  
Chosen Option : \_

Q.36 Which of the following statements are correct about western disturbances?  
Statement 1. Western disturbances are storms that originate in the Caspian or Mediterranean Sea, and bring non-monsoonal rainfall to northwest India.  
Statement 2. The disturbance travels from the western to the eastern direction.  
Statement 3. Western disturbances are storms that originate due to high pressure areas.

- 1. Only statements 2 and 3 are correct
- 2. Only statements 1 and 2 are correct
- 3. All statements 1, 2 and 3 are correct
- 4. Only statements 1 and 3 are correct

Question ID : 264330131813  
Option 1 ID : 264330516354  
Option 2 ID : 264330516351  
Option 3 ID : 264330516352  
Option 4 ID : 264330516353  
Status : Not Answered  
Chosen Option : \_

Ans

Q.37 What does data encryption involve?

- Ans
- 1. Encoding data into a secret code
  - 2. Converting data into a human-readable format
  - 3. Compressing data to save storage space
  - 4. Deleting data permanently from storage

Question ID : 264330168585  
Option 1 ID : 264330661153  
Option 2 ID : 264330661151  
Option 3 ID : 264330661154  
Option 4 ID : 264330661152  
Status : Answered  
Chosen Option : 1

Q.38 Ali Ahmad Hussain Khan was an exponent of \_\_\_\_\_.

- Ans
- 1. flute
  - 2. guitar
  - 3. been
  - 4. shehnai

Question ID : 26433082119  
Option 1 ID : 264330322311  
Option 2 ID : 264330322310  
Option 3 ID : 264330322312  
Option 4 ID : 264330322309  
Status : Not Answered  
Chosen Option : --

Q.39 The number of participant countries in the first Asian Games was \_\_\_\_\_.

- Ans
- 1. 9
  - 2. 12
  - 3. 11
  - 4. 10

Question ID : 264330110336  
Option 1 ID : 264330433621  
Option 2 ID : 264330433624  
Option 3 ID : 264330433623  
Option 4 ID : 264330433622  
Status : Not Answered  
Chosen Option : --

Q.40 As per the provisional figures of the 2011 census, the literacy rate has registered an increase of \_\_\_\_\_ percentage points since 2001.

- Ans
- 1. 11.01
  - 2. 9.21
  - 3. 13.20
  - 4. 7.48

Question ID : 264330111352  
Option 1 ID : 264330437494  
Option 2 ID : 264330437493  
Option 3 ID : 264330437496  
Option 4 ID : 264330437495  
Status : Not Answered  
Chosen Option : --

Q.41 Identify the group of peninsular rivers.

- Ans
- 1. Narmada, Ghaghara, Krishna, Gandak
  - 2. Tapi, Ravi, Godavari, Krishna
  - 3. Mahanadi, Godavari, Krishna, Kaveri
  - 4. Narmada, Beas, Son, Godavari

Question ID : 264330157081  
Option 1 ID : 264330615695  
Option 2 ID : 264330615697  
Option 3 ID : 264330615698  
Option 4 ID : 264330615696  
Status : Answered  
Chosen Option : 3

Q.42 Which of the following rivers falls into the Arabian sea?

- Ans
- 1. Ganga
  - 2. Narmada
  - 3. Godavari
  - 4. Kaveri

Question ID : 264330132726  
Option 1 ID : 264330520001  
Option 2 ID : 264330520000  
Option 3 ID : 264330519999  
Option 4 ID : 264330520002  
Status : Not Answered  
Chosen Option : --

Q.43 Which of the following Articles of the Constitution of India guarantees equality of opportunity in matters of public employment?

- Ans
- 1. Article 16
  - 2. Article 21
  - 3. Article 35
  - 4. Article 45

Question ID : 26433086818  
Option 1 ID : 264330340916  
Option 2 ID : 264330340915  
Option 3 ID : 264330340914  
Option 4 ID : 264330340913  
Status : Answered  
Chosen Option : 1

Q.44 Which disease is transmitted to humans by flavivirus that can cause inflammation in the brain?

- Ans
- 1. Leptospirosis
  - 2. Japanese encephalitis
  - 3. Anthrax
  - 4. Candidiasis

Question ID : 264330110070  
Option 1 ID : 264330432559  
Option 2 ID : 264330432557  
Option 3 ID : 264330432560  
Option 4 ID : 264330432558  
Status : Not Answered  
Chosen Option : --

Q.45 Guru Vempati Chinna Satyam, a Padma Bhushan awardee, is well recognized for his efforts for getting classical status to which of the following dance forms?

- Ans
- 1. Kuchipudi
  - 2. Odisi
  - 3. Manipuri
  - 4. Kathakali

Question ID : 26433066689  
Option 1 ID : 264330261281  
Option 2 ID : 264330261280  
Option 3 ID : 264330261282  
Option 4 ID : 264330261283  
Status : Not Answered  
Chosen Option : --

Q.46 In March 2023, how many PM MITRA (Pradhan Mantri Mega Integrated Textile Region and Apparel) Park sites were announced?

- Ans
- 1. Six
  - 2. Seven
  - 3. Five
  - 4. Eight

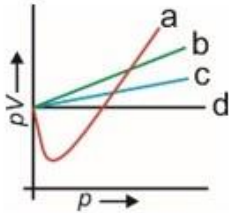
Question ID : 264330158452  
Option 1 ID : 264330621168  
Option 2 ID : 264330621169  
Option 3 ID : 264330621167  
Option 4 ID : 264330621170  
Status : Not Answered  
Chosen Option : ..

Q.47 Which of the following is a secondary function of money? Ans

- 1. Helping in conducting transactions in an economy
- 2. Calculating relative prices of goods and services
- 3. Being a standard of deferred payments
- 4. Allowing purchase and sale to be conducted independently

Question ID : 264330144411  
Option 1 ID : 264330565900  
Option 2 ID : 264330565901  
Option 3 ID : 264330565902  
Option 4 ID : 264330565899  
Status : Answered  
Chosen Option : 2

Q.48 Select the correct plot of ideal gas in the given figure.



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

Question ID : 264330131694  
Option 1 ID : 264330515878  
Option 2 ID : 264330515875  
Option 3 ID : 264330515877  
Option 4 ID : 264330515876  
Status : Answered  
Chosen Option : 1

Ans

Q.49 Where did Lord Wavell call a conference between Congress and Muslim League leaders to reach an agreement?

- Ans
- 1. Lucknow
  - 2. Delhi
  - 3. Calcutta
  - 4. Simla

Question ID : 264330109041  
Option 1 ID : 264330428441  
Option 2 ID : 264330428444  
Option 3 ID : 264330428442  
Option 4 ID : 264330428443  
Status : Not Answered  
Chosen Option : ..

Q.50 According to the Census of India 2011, India's decadal growth rate was \_\_\_\_\_.

- Ans
- 1. 17.7%
  - 2. 16.7%
  - 3. 19.7%
  - 4. 18.7%

Question ID : 264330119811  
Option 1 ID : 264330469521  
Option 2 ID : 264330469522  
Option 3 ID : 264330469519  
Option 4 ID : 264330469520  
Status : Not Answered  
Chosen Option : ..

Section : General Engineering Civil and Structural

Q.1 The bearings of two lines AB and AC measured by using a surveyor's compass are S 26° 40' E and N 18° 30' W, respectively. The value of  $\angle BAC$  measured in clockwise direction is \_\_\_\_\_.

- Ans
- 1. 135° 10'
  - 2. 134° 10'
  - 3. 188° 10'
  - 4. 189° 10'

Question ID : 264330159318  
Option 1 ID : 264330624632  
Option 2 ID : 264330624634  
Option 3 ID : 264330624631  
Option 4 ID : 264330624633  
Status : Answered  
Chosen Option : 3

Q.2 Which of the following is a type of pump based on the type of power?

- Ans
- 1. Centrifugal pump
  - 2. Low-lift pump
  - 3. High-lift pump
  - 4. Steam engine pump

Question ID : 264330158973  
Option 1 ID : 264330623253  
Option 2 ID : 264330623251  
Option 3 ID : 264330623252  
Option 4 ID : 264330623254  
Status : Answered  
Chosen Option : 1

Q.3 Which of the following is an example of sedimentary rock?

- Ans
- 1. Pumice
  - 2. Sandstone
  - 3. Black flint
  - 4. Basalt

Question ID : 264330157672  
Option 1 ID : 264330618050  
Option 2 ID : 264330618047  
Option 3 ID : 264330618048  
Option 4 ID : 264330618049  
Status : Answered  
Chosen Option : 2

Q.4 In an old plan, a line was drawn to a magnetic bearing of  $7^{\circ} 25'$  with a magnetic declination of  $2^{\circ} 5'$  west. If the present magnetic declination is  $9^{\circ} 40'$  west, then the new magnetic bearing should be drawn at \_\_\_\_\_.

- Ans
- 1.  $-4^{\circ} 20'$
  - 2.  $-15^{\circ}$
  - 3.  $4^{\circ} 20'$
  - 4.  $15^{\circ}$

Question ID : 264330159320  
Option 1 ID : 264330624641  
Option 2 ID : 264330624642  
Option 3 ID : 264330624639  
Option 4 ID : 264330624640  
Status : Answered  
Chosen Option : 3

Q.5 For which of the following applications in levelling is an inverted staff reading most suitable?

- Ans
- 1. Levelling across a wall
  - 2. Levelling across an intervening, high or low ground
  - 3. Levelling across a lake
  - 4. Levelling across a steep slope

Question ID : 264330160607  
Option 1 ID : 264330629760  
Option 2 ID : 264330629761  
Option 3 ID : 264330629762  
Option 4 ID : 264330629759  
Status : Answered  
Chosen Option : 2

Q.6 The difference between the total head line and the hydraulic grade line in an open-channel flow is called:

- Ans
- 1. velocity head
  - 2. total energy head
  - 3. pressure head
  - 4. elevation head

Question ID : 264330158936  
Option 1 ID : 264330623105  
Option 2 ID : 264330623103  
Option 3 ID : 264330623106  
Option 4 ID : 264330623104  
Status : Answered  
Chosen Option : 1

Q.7 Which of the following is NOT a natural source of air pollution?

- Ans
- 1. Volcanic gases
  - 2. Pollens
  - 3. Combustion of fossil fuels
  - 4. Wildfire by atmospheric temperature change

Question ID : 264330160686  
Option 1 ID : 264330630075  
Option 2 ID : 264330630076  
Option 3 ID : 264330630078  
Option 4 ID : 264330630077  
Status : Answered  
Chosen Option : 3

Q.8 As per IS 2386 (1963), the aggregate crushing value is calculated by using a single sized aggregate, which is:

- Ans
- 1. passing 40 mm and retained on 20 mm sieve
  - 2. passing 20 mm and retained on 10 mm sieve
  - 3. passing 12.5 mm and retained on 10 mm sieve
  - 4. passing 4.75 mm and retained on 2.36 mm sieve

Question ID : 264330100155  
Option 1 ID : 264330393195  
Option 2 ID : 264330393194  
Option 3 ID : 264330393196  
Option 4 ID : 264330393193  
Status : Answered  
Chosen Option : 3

Q.9 Which of the following statements is INCORRECT about the grading limits of fine aggregates?

- Ans
- 1. IS 383 defines the grading zones of fine aggregates.
  - 2. Zone II corresponds to normal sand.
  - 3. There are 3 grading zones as per IS 383-2016.
  - 4. Zone III corresponds to finer sand than Zone II.

Question ID : 264330157674  
Option 1 ID : 264330618055  
Option 2 ID : 264330618056  
Option 3 ID : 264330618057  
Option 4 ID : 264330618058  
Status : Answered  
Chosen Option : 3

Q.10 Select the correct option for the given statements.

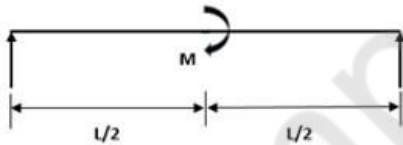
Statement 1: Runoff is a function of precipitation, intensity, duration and its coverage.  
Statement 2: The size of catchment has a definite effect on the runoff. More the area, lesser will be the runoff.

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

Question ID : 26433099447  
Option 1 ID : 264330390401  
Option 2 ID : 264330390404  
Option 3 ID : 264330390403  
Option 4 ID : 264330390402  
Status : Answered  
Chosen Option : 3

Ans

Find the value of shear force at one-fourth of the given span from the left support as shown in the below diagram.



Q.11

- Ans
- 1.  $\frac{M}{2L}$  (+ ve)
  - 2.  $\frac{M}{2L}$  (- ve)
  - 3.  $\frac{M}{L}$  (+ ve)
  - 4.  $\frac{M}{L}$  (- ve)

Question ID : 26433099380  
Option 1 ID : 264330390134  
Option 2 ID : 264330390133  
Option 3 ID : 264330390136  
Option 4 ID : 264330390135  
Status : Not Attempted and Marked For Review  
Chosen Option : ..



Q.12 Which material is used for shuttering equipment, that require very little maintenance and can be used for years?

- Ans
- 1. Epoxy ply
  - 2. Timber
  - 3. Steel
  - 4. Pressed board

Question ID : 26433099385  
Option 1 ID : 264330390156  
Option 2 ID : 264330390155  
Option 3 ID : 264330390154  
Option 4 ID : 264330390153  
Status : Answered  
Chosen Option : 3

Q.13 As per IS 1203-1978 in the penetration test of bitumen, a standard tapered needle is used to calculate:

- Ans
- 1. softening point
  - 2. consistency of the bitumen binder
  - 3. the required quantity of colour
  - 4. binder capacity

Question ID : 26433099479  
Option 1 ID : 264330390531  
Option 2 ID : 264330390529  
Option 3 ID : 264330390532  
Option 4 ID : 264330390530  
Status : Answered  
Chosen Option : 1

Q.14 The check for traversing by deflection angle method in a closed traverse of n sides is:

- Ans
- 1. the sum of angles must be equal to  $360^\circ$
  - 2. the sum of angles must be equal to  $(2n - 4)^\circ$
  - 3. the sum of angles must be equal to  $180^\circ$
  - 4. the sum of angles must be equal to  $(2n + 4)^\circ$

Question ID : 264330122654  
Option 1 ID : 264330480729  
Option 2 ID : 264330480727  
Option 3 ID : 264330480730  
Option 4 ID : 264330480728  
Status : Answered  
Chosen Option : 2

Q.15 In the case of a \_\_\_\_\_, the brickwork is not measured in cubic metres.

- Ans
- 1. brickwork in arches
  - 2. half-brick wall
  - 3. one and more than one brick wall
  - 4. reinforced brickwork

Question ID : 264330159811  
Option 1 ID : 264330626594  
Option 2 ID : 264330626592  
Option 3 ID : 264330626593  
Option 4 ID : 264330626591  
Status : Answered  
Chosen Option : 2

Q.16 What should be the unit of measurement for earthwork in excavation in any type of soil and honeycomb brick work?

- Ans
- 1. m and m<sup>2</sup>
  - 2. m<sup>2</sup> and m<sup>2</sup>
  - 3. m<sup>3</sup> and m<sup>2</sup>
  - 4. m<sup>3</sup> and m

Question ID : 264330159840  
Option 1 ID : 264330626709  
Option 2 ID : 264330626707  
Option 3 ID : 264330626710  
Option 4 ID : 264330626708  
Status : Answered  
Chosen Option : 3

Q.17 DDT belongs to the category of \_\_\_\_\_. Ans

- 1. non-persistent pollutants
- 2. primary air pollutants
- 3. persistent pollutants
- 4. secondary air pollutants

Question ID : 264330160690  
Option 1 ID : 264330630093  
Option 2 ID : 264330630092  
Option 3 ID : 264330630091  
Option 4 ID : 264330630094  
Status : Not Answered  
Chosen Option : ..

Q.18 The processes used for the manufacture of cement can be classified into \_\_\_\_\_ types.

- 1. three
- 2. two
- 3. five
- 4. four

Question ID : 264330157840  
Option 1 ID : 264330618720  
Option 2 ID : 264330618719  
Option 3 ID : 264330618722  
Option 4 ID : 264330618721  
Status : Answered  
Chosen Option : 4

Ans

Q.19 Which of the following statement for the included angle method is/are true?

Statement 1: Included angles can be measured either clockwise or counter-clockwise. Statement 2:

The measured clockwise angles are interior angles if the direction of progress around the survey is counter-clockwise. Ans

- 1. Only Statement 1 is true.
- 2. Only Statement 2 is true.
- 3. Both Statements 1 and 2 are true.
- 4. Neither Statement 1 nor Statement 2 is true.

Question ID : 264330159341  
Option 1 ID : 264330624723  
Option 2 ID : 264330624724  
Option 3 ID : 264330624726  
Option 4 ID : 264330624725  
Status : Answered  
Chosen Option : 2

Q.20 Offsets from the tangents method of curve setting can be adopted if \_\_\_\_\_.

- 1. the deflection angle is large and the radius of curvature is small
- 2. both the deflection angle and the radius of curvature are small
- 3. both the deflection angle and the radius of curvature are large
- 4. the deflection angle is small and the radius of curvature is large

Question ID : 264330160620  
Option 1 ID : 264330629813  
Option 2 ID : 264330629811  
Option 3 ID : 264330629812  
Option 4 ID : 264330629814  
Status : Answered  
Chosen Option : 4

Ans

Q.21 Consider the following statements regarding, the function of base course and sub-base course in pavement layers:

i.Prevent mud-pumping in rigid pavement ii.Protect sub-grade of rigid pavement from frost action iii.Provide tensile strength to the flexible pavement iv.Distribute the load in flexible pavement  
v.Prevent warping stresses in rigid pavement.

Which of the above statements are correct? Ans

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

Question ID : 26433091098  
Option 1 ID : 264330357803  
Option 2 ID : 264330357802  
Option 3 ID : 264330357804  
Option 4 ID : 264330357801  
Status : Answered  
Chosen Option : 1

Q.22 A centrifugal pump, driven by a directly coupled 2 kW motor of speed 1400 rpm, is proposed to be connected to a motor of speed 2800 rpm. The power of the motor should be:

- Ans
- 1. 24 kW
  - 2. 4 kW
  - 3. 8kW
  - 4. 16kW

Question ID : 264330158967  
Option 1 ID : 264330623230  
Option 2 ID : 264330623229  
Option 3 ID : 264330623228  
Option 4 ID : 264330623227  
Status : Answered  
Chosen Option : 2

Q.23 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

Assertion: A loose, permeable, sandy soil has a higher infiltration capacity than that of a tight, clayey soil.

Reason: A soil with poor under-drainage has a higher infiltration capacity.

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

Question ID : 264330158592  
Option 1 ID : 264330621728  
Option 2 ID : 264330621729  
Option 3 ID : 264330621727  
Option 4 ID : 264330621730  
Status : Answered  
Chosen Option : 2

Ans

Q.24 Which of the following does NOT represent the grade of Bitumen based on viscosity?

- Ans
- 1. VG-50
  - 2. VG-40
  - 3. VG-20
  - 4. VG-30

Question ID : 264330157867  
Option 1 ID : 264330618830  
Option 2 ID : 264330618829  
Option 3 ID : 264330618827  
Option 4 ID : 264330618828  
Status : Answered  
Chosen Option : 1

Q.25 The ratio  $N_c/N_q$  for a purely cohesive soil is \_\_\_\_\_.  
( $N_c$  and  $N_q$  are Terzaghi bearing capacity factors)

- Ans
- 1. 5.7
  - 2. 2.57
  - 3. 5.14
  - 4. 2.85

Question ID : 264330160334  
Option 1 ID : 264330628676  
Option 2 ID : 264330628677  
Option 3 ID : 264330628675  
Option 4 ID : 264330628678  
Status : Answered  
Chosen Option : 3

Q.26 Which of the following statements is INCORRECT?

- 1. Graphically, the relation between the strength of concrete and the water-cement ratio is approximately cubic.
- 2. The lower the water-cement ratio is, the higher will be the strength of concrete.
- 3. Lower water-cement ratio is required when the concrete mix is mechanically compacted to achieve higher strength as compared to the hand-compacted concrete mix with higher water-cement ratio.
- 4. Lower water-cement ratio leads to lower workability.

Question ID : 264330157693  
Option 1 ID : 264330618133  
Option 2 ID : 264330618132  
Option 3 ID : 264330618131  
Option 4 ID : 264330618134  
Status : Answered  
Chosen Option : 4

Ans

Q.27 Match the basic terms used in the runoff given in the first column with their meanings in the second column.

A. Surface runoff	1. Delayed sub-surface flow at shallow depth
B. Interflow	2. Unconfined flow of water over the ground surface
C. Base flow	3. Portion of water that moves laterally in the upper part of the soil

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

Question ID : 264330158604  
Option 1 ID : 264330621775  
Option 2 ID : 264330621776  
Option 3 ID : 264330621778  
Option 4 ID : 264330621777  
Status : Answered  
Chosen Option : 4

Q.28 Direct stress due to self-weight and extreme bending stress at the base of a masonry dam is given as  $22 \text{ N/mm}^2$  and  $44 \text{ N/mm}^2$ , respectively. Determine the value of extreme resultant stresses.

- Ans
- 1. Max. stress =  $66 \text{ N/mm}^2$ , Min. stress =  $-22 \text{ N/mm}^2$
  - 2. Max. stress =  $44 \text{ N/mm}^2$ , Min. stress =  $-66 \text{ N/mm}^2$
  - 3. Max. stress =  $66 \text{ N/mm}^2$ , Min. stress =  $22 \text{ N/mm}^2$
  - 4. Max. stress =  $44 \text{ N/mm}^2$ , Min. stress =  $22 \text{ N/mm}^2$

Question ID : 264330159398  
Option 1 ID : 264330624953  
Option 2 ID : 264330624952  
Option 3 ID : 264330624954  
Option 4 ID : 264330624951  
Status : Answered  
Chosen Option : 1

Q.29 Calculate the approximate mass density of oil with  $4.5 \text{ m}^3$  of volume and  $40 \text{ kN}$  of weight. (Consider  $g = 10 \text{ m/s}^2$ )

- Ans
- 1.  $850 \text{ kg/m}^3$
  - 2.  $889 \text{ kg/m}^3$
  - 3.  $809 \text{ kg/m}^3$
  - 4.  $920 \text{ kg/m}^3$

Question ID : 264330158993  
Option 1 ID : 264330623334  
Option 2 ID : 264330623332  
Option 3 ID : 264330623333  
Option 4 ID : 264330623331  
Status : Answered  
Chosen Option : 2

Q.30 In case of staggered or zigzag riveting in the design of tension members of steel structures, the net cross-sectional area along the chains of rivets is:

- Ans
- 1. increased by an amount equal to  $\frac{s^2 t}{8g}$
  - 2. increased by an amount equal to  $\frac{s^2 t}{4g}$
  - 3. decreased by an amount equal to  $\frac{s^2 t}{4g}$
  - 4. decreased by an amount equal to  $\frac{s^2 t}{8g}$

Question ID : 264330159700  
Option 1 ID : 264330626160  
Option 2 ID : 264330626161  
Option 3 ID : 264330626162  
Option 4 ID : 264330626159  
Status : Answered  
Chosen Option : 1

Q.31 The quantity of water in a reservoir, which cannot be utilised under normal operating conditions and is stored below the minimum pool level, is known as \_\_\_\_\_.

- Ans
- 1. valley storage
  - 2. dead storage
  - 3. surcharge storage
  - 4. live storage

Question ID : 264330158554  
Option 1 ID : 264330621577  
Option 2 ID : 264330621576  
Option 3 ID : 264330621578  
Option 4 ID : 264330621575  
Status : Answered  
Chosen Option : 2

Q.32 As per the Indian Railways, the gauge is defined as:

- Ans
- 1. the length of the sleeper-width of the sleeper
  - 2. the clear distance between inner faces of two track rails
  - 3. the clear distance between outer faces of two track rails
  - 4. the centre to centre distance of two track rails

Question ID : 26433086540  
Option 1 ID : 264330339804  
Option 2 ID : 264330339801  
Option 3 ID : 264330339802  
Option 4 ID : 264330339803  
Status : Answered  
Chosen Option : 2

Q.33 Dupit's equation is expressed for series-connected pipes as:  
(where  $L_1$ ,  $L_2$ , and  $L_3$  are lengths of pipe 1, 2 and 3,  $d_1$ ,  $d_2$ ,  $d_3$  are diameter of pipe 1, 2 and 3,  $L$  is equivalent length of pipe and  $D$  is equivalent diameter of pipe)

- 1.  $L/d^5 = L_1/d_1^5 - L_2/d_2^5 - L_3/d_3^5$
- 2.  $L/d^5 = L_1/d_1^5 + L_2/d_2^5 + L_3/d_3^5$
- 3.  $L/d^5 = L_1/d_1^5 - L_2/d_2^5$
- 4.  $L/d^6 = L_1/d_1^6 + L_2/d_2^6 + L_3/d_3^6$

Question ID : 264330158934  
Option 1 ID : 264330623096  
Option 2 ID : 264330623098  
Option 3 ID : 264330623097  
Option 4 ID : 264330623095  
Status : Answered  
Chosen Option : 2

Ans

Q.34 Which of the following laboratory methods is more suitable to determine the permeability of less permeable soils?

- Ans
- 1. Constant head test
  - 2. Unconfined flow pumping test
  - 3. Falling head test
  - 4. Confined flow pumping test

Question ID : 26433099690  
Option 1 ID : 264330391357  
Option 2 ID : 264330391360  
Option 3 ID : 264330391358  
Option 4 ID : 264330391359  
Status : Answered  
Chosen Option : 3

Q.35 The constituents of paint in suspension are held by which vehicle that also help in its evenly distribution?

- 1. Base
- 2. Pigments
- 3. Plaster of Paris
- 4. Binder

Question ID : 26433099382  
Option 1 ID : 264330390141  
Option 2 ID : 264330390143  
Option 3 ID : 264330390142  
Option 4 ID : 264330390144  
Status : Answered  
Chosen Option : 4

Ans

Q.36 Identify water-borne diseases from the following.

- I. Typhoid
- II. Hepatitis
- III. Malaria

- Ans
- 1. Only I and III
  - 2. Only II and III
  - 3. Only I
  - 4. Only I and II

Question ID : 264330160740  
Option 1 ID : 264330630293  
Option 2 ID : 264330630294  
Option 3 ID : 264330630291  
Option 4 ID : 264330630292  
Status : Answered  
Chosen Option : 1



Q.37 The mechanical device which is used to measure flow velocity, where the number of revolutions of the wheel per unit time are proportional to the velocity of the flowing water is the \_\_\_\_\_.

- Ans
- 1. float
  - 2. rotameter
  - 3. current meter
  - 4. pitot tube

Question ID : 26433091055  
Option 1 ID : 264330357629  
Option 2 ID : 264330357631  
Option 3 ID : 264330357630  
Option 4 ID : 264330357632  
Status : Answered  
Chosen Option : 2

Q.38 Salvage value is the \_\_\_\_\_ of an asset after all depreciation has been fully expensed.

- Ans
- 1. depreciation
  - 2. book value
  - 3. scrap value
  - 4. market value

Question ID : 264330159853  
Option 1 ID : 264330626762  
Option 2 ID : 264330626760  
Option 3 ID : 264330626761  
Option 4 ID : 264330626759  
Status : Answered  
Chosen Option : 2

Q.39 Silt ejector is provided \_\_\_\_\_.

- Ans
- 1. in the river adjacent to the head regulator
  - 2. in the river far off from the weir on the upstream side
  - 3. in the river on the downstream of the weir
  - 4. in the canal on the downstream of head regulator

Question ID : 26433099455  
Option 1 ID : 264330390435  
Option 2 ID : 264330390436  
Option 3 ID : 264330390434  
Option 4 ID : 264330390433  
Status : Answered  
Chosen Option : 3

Q.40 A road pavement should have which of the following qualities?

- Ans
- 1. Yielding
  - 2. Undulation
  - 3. Non yielding
  - 4. Deflection

Question ID : 264330157160  
Option 1 ID : 264330616004  
Option 2 ID : 264330616005  
Option 3 ID : 264330616003  
Option 4 ID : 264330616006  
Status : Answered  
Chosen Option : 3

Q.41 Which of the following options explain the effect of cold weather on concrete?

- (i) Delay in setting and hardening
- (ii) Freezing of concrete at early age
- (iii) Alternate Freezing and Thawing

1. Both (ii) and (iii)

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

3. Both (i) and (ii)

4. Only (i)

Question ID : 264330100170  
Option 1 ID : 264330393256  
Option 2 ID : 264330393255  
Option 3 ID : 264330393254  
Option 4 ID : 264330393253  
Status : Answered  
Chosen Option : 4

Q.42 As per IS 11624-1986, what will be the water quality rating of irrigation water when residual sodium carbonate (RSC) is in the range of 1.5 to 3?

1. High

2. Very high

3. Medium

4. Low

Question ID : 264330157865  
Option 1 ID : 264330618821  
Option 2 ID : 264330618822  
Option 3 ID : 264330618820  
Option 4 ID : 264330618819  
Status : Answered  
Chosen Option : 4

Ans

Q.43 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

Assertion: Good-quality irrigation water is one of the favourable conditions for sub-surface irrigation practice.  
Reason: Irrigation water of bad quality may block the buried perforated pipes in artificial sub-surface irrigation.

Ans1.  Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

2. Both Assertion and Reason are false.

3. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.

4. Assertion is true, but Reason is false.

Question ID : 264330158551  
Option 1 ID : 264330621563  
Option 2 ID : 264330621566  
Option 3 ID : 264330621564  
Option 4 ID : 264330621565  
Status : Answered  
Chosen Option : 1

Q.44 Select the correct option for the given statements.

Statement 1: When the crossing site is such that the canal FSL is well above the stream HFL, the choice between aqueduct and siphon aqueduct is made depending on the stream discharge.  
Statement 2: For larger stream discharges (i.e. when the stream bed is much wider), an aqueduct is more suitable than a siphon aqueduct which requires lowering of the stream bed by a drop.

- Ans1.  1. Both statement 1 and statement 2 are true, and statement 2 is the correct explanation of statement 1
2. Statement 1 is false and statement 2 is true
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 : 26433099459  
Option 1 ID : 264330390449  
Option 2 ID : 264330390452  
Option 3 ID : 264330390450  
Option 4 ID : 264330390451  
Status : Answered  
Chosen Option : 1

Q.45 In India, the authority to issue the environmental no objection certificate to start an industry lies with the \_\_\_\_\_.

1. Central Government
2. Pollution Control Board
3. Forest Department
4. State Government

Question ID : 264330160681  
Option 1 ID : 264330630058  
Option 2 ID : 264330630056  
Option 3 ID : 264330630057  
Option 4 ID : 264330630055  
Status : Answered  
Chosen Option : 2

Ans

Q.46 The dimension of Manning's roughness coefficient 'n' is:

- Ans  1.  $L^{-1/6}T^{-1}$
2.  $L^{-1/3}T$
3.  $L^{-2/3}T$
4.  $L^{-1/2}T^{-2}$

Question ID : 264330158923  
Option 1 ID : 264330623053  
Option 2 ID : 264330623051  
Option 3 ID : 264330623052  
Option 4 ID : 264330623054  
Status : Answered  
Chosen Option : 2

Q.47 As per components of the sewerage system, what is the meaning of 'outfall sewer'?

Ans  1. A sewer which transports sewage from a treatment plant to the final disposal point

- 2. A sewer which transports sewage from a house to lateral sewers
- 3. A sewer which transports sewage from a lateral sewer to a branch sewer
- 4. A sewer which transports sewage from a branch sewer to the main sewer

Question ID : 26433099415

Option 1 ID : 264330390274

Option 2 ID : 264330390273

Option 3 ID : 264330390275

Option 4 ID : 264330390276

Status : Not Attempted and  
Marked For Review  
Chosen Option : ..

Q.48 The foundation of the structure is designed for: Ans

1. shear failure of soils

- 2. compression failure of soils
- 3. bending failure of soils
- 4. tension failure of soils

Question ID : 264330159626

Option 1 ID : 264330625863

Option 2 ID : 264330625864

Option 3 ID : 264330625866

Option 4 ID : 264330625865

Status : Answered  
Chosen Option : 1

Q.49 If a compression member of a steel structure is effectively held in position and restrained against rotation at both the ends, then which of the following options represents the effective length of the member?

- 1. 2.0 times of the actual length
- 2. 0.65 times of the actual length
- 3. 1.2 times of the actual length
- 4. 0.80 times of the actual length

Question ID : 264330159681

Option 1 ID : 264330626086

Option 2 ID : 264330626083

Option 3 ID : 264330626085

Option 4 ID : 264330626084

Status : Answered  
Chosen Option : 2

Ans

Q.50 Before stone seasoning, dressing of stones is done as it provides:

- i. uniform appearance ii.
- good mortar joints iii.
- proper bedding iv. poor
- water absorption

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

Question ID : 26433088072  
Option 1 ID : 264330345902  
Option 2 ID : 264330345903  
Option 3 ID : 264330345901  
Option 4 ID : 264330345904  
Status : Answered  
Chosen Option : 1

Q.51 Level surface in terms of leveling is a \_\_\_\_\_.

- 1. vertical surface
- 2. horizontal surface
- 3. datum surface
- 4. curved surface

Question ID : 264330100670  
Option 1 ID : 264330395227  
Option 2 ID : 264330395226  
Option 3 ID : 264330395228  
Option 4 ID : 264330395225  
Status : Answered  
Chosen Option : 4

Ans

Q.52 Which of the given options is NOT a commonly used minor method of disinfection of water during its treatment process?

- Ans
- 1. Boiling of water
  - 2. Treatment with iodine and bromine
  - 3. Treatment with silica
  - 4. Treatment with ozone

Question ID : 26433095961  
Option 1 ID : 264330376613  
Option 2 ID : 264330376616  
Option 3 ID : 264330376614  
Option 4 ID : 264330376615  
Status : Answered  
Chosen Option : 1

Q.53 Blaine air permeability apparatus is used to determine the \_\_\_\_\_ of Portland cement.

- Ans
- 1. permeability
  - 2. gradation
  - 3. specific gravity
  - 4. fineness

Question ID : 264330157845  
Option 1 ID : 264330618741  
Option 2 ID : 264330618742  
Option 3 ID : 264330618739  
Option 4 ID : 264330618740  
Status : Answered  
Chosen Option : 4

Q.54 Which of the following factors does NOT contribute to soil/land pollution?

- Ans
- 1. Mining wastes
  - 2. Agricultural activities
  - 3. Eutrophication
  - 4. Domestic wastes

Question ID : 264330160696  
Option 1 ID : 264330630117  
Option 2 ID : 264330630115  
Option 3 ID : 264330630118  
Option 4 ID : 264330630116  
Status : Answered  
Chosen Option : 2

Q.55 Silt content in fine aggregates leads to \_\_\_\_\_.

- Ans
- 1. increased shrinkage
  - 2. increased durability
  - 3. excellent bond characteristics
  - 4. decreased permeability

Question ID : 264330157675  
Option 1 ID : 264330618059  
Option 2 ID : 264330618062  
Option 3 ID : 264330618060  
Option 4 ID : 264330618061  
Status : Answered  
Chosen Option : 4

Q.56 The science that deals with the occurrence, circulation and distribution of water of the earth and the earth's atmosphere is known as \_\_\_\_\_.

- Ans
- 1. oceanography
  - 2. hydrology
  - 3. hydraulics
  - 4. environment

Question ID : 26433095840  
Option 1 ID : 264330376129  
Option 2 ID : 264330376132  
Option 3 ID : 264330376131  
Option 4 ID : 264330376130  
Status : Answered  
Chosen Option : 2

Q.57 Hook length for a straight bar in terms of the diameter of bar, d is:

- Ans
- 1. 18d
  - 2. 9d
  - 3. D
  - 4. 4.5d

Question ID : 26433099328  
Option 1 ID : 264330389926  
Option 2 ID : 264330389925  
Option 3 ID : 264330389928  
Option 4 ID : 264330389927  
Status : Answered  
Chosen Option : 1

Q.58 Which of the following methods of quarrying is suitable for costly, soft and stratified rocks such as sandstone, limestone, laterite, marble and slate?

- Ans
- 1. Heating
  - 2. Wedging
  - 3. Blasting
  - 4. Excavating

Question ID : 264330157870  
Option 1 ID : 264330618841  
Option 2 ID : 264330618842  
Option 3 ID : 264330618840  
Option 4 ID : 264330618839  
Status : Not Answered  
Chosen Option : --

Q.59 As per IS 2470 codes, which of the following should be the minimum width of a septic tank for five users?

- Ans
- 1. 75 cm
  - 2. 85 cm
  - 3. 55 cm
  - 4. 60 cm

Question ID : 264330159820  
Option 1 ID : 264330626628  
Option 2 ID : 264330626627  
Option 3 ID : 264330626629  
Option 4 ID : 264330626630  
Status : Not Answered  
Chosen Option : --

Q.60 In a fillet welded connection of steel structures, the sides containing the right angle of the fillet are called \_\_\_\_\_.

- Ans
- 1. roots
  - 2. legs
  - 3. toes
  - 4. throats

Question ID : 264330159698  
Option 1 ID : 264330626154  
Option 2 ID : 264330626152  
Option 3 ID : 264330626153  
Option 4 ID : 264330626151  
Status : Answered  
Chosen Option : 4

Q.61 Traffic engineering does NOT include which of the following?

i. Geometric design ii. Traffic studies and analysis iii. Road user characteristics iv. Marshall mix design

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

Question ID : 26433086550  
Option 1 ID : 264330339844  
Option 2 ID : 264330339842  
Option 3 ID : 264330339841  
Option 4 ID : 264330339843  
Status : Answered  
Chosen Option : 2

Q.62 The system of signal in which clusters of signals along a route display an opposite indication at the same moment is called \_\_\_\_\_.

- 1. simultaneous system
- 2. flexible progressive system
- 3. simple progressive system
- 4. alternate system

Question ID : 264330157186  
Option 1 ID : 264330616107  
Option 2 ID : 264330616110  
Option 3 ID : 264330616109  
Option 4 ID : 264330616108  
Status : Answered  
Chosen Option : 3

Ans

Q.63 Proctor compaction test is made to determine moisture content at which soil will be compacted to obtain \_\_\_\_\_.

- Ans
- 1. porosity
  - 2. minimum dry density
  - 3. maximum dry density
  - 4. specific gravity

Question ID : 26433096892  
Option 1 ID : 264330380308  
Option 2 ID : 264330380307  
Option 3 ID : 264330380306  
Option 4 ID : 264330380305  
Status : Answered  
Chosen Option : 3



Q.64 According to IS 456:2000, value of design bond stress for plain bars shall be increased by \_\_\_\_\_% for deformed bars conforming to IS 1786.

- Ans
- 1. 25
  - 2. 40
  - 3. 60
  - 4. 10

Question ID : 264330100800  
Option 1 ID : 264330395745  
Option 2 ID : 264330395746  
Option 3 ID : 264330395747  
Option 4 ID : 264330395748  
Status : Answered  
Chosen Option : 3

Q.65 Shelby tube is one of the most widely used devices for:

- Ans
- 1. wash borings and drilling cobbles
  - 2. measuring effective stress and plotting Mohr envelope
  - 3. collecting undisturbed soil samples
  - 4. drilling rocks

Question ID : 26433096816  
Option 1 ID : 264330380003  
Option 2 ID : 264330380002  
Option 3 ID : 264330380004  
Option 4 ID : 264330380001  
Status : Not Answered  
Chosen Option : --

Q.66 In which type of dressing are only the edges of a stone block levelled with the help of a hammer?

- Ans
- 1. Pitched dressing
  - 2. Rough tooling
  - 3. Chisel drafting
  - 4. Hammer dressing

Question ID : 264330157872  
Option 1 ID : 264330618847  
Option 2 ID : 264330618850  
Option 3 ID : 264330618849  
Option 4 ID : 264330618848  
Status : Not Answered  
Chosen Option : --

Q.67 Which of the following methods are not used for the analysis and design of watertanks?

- Ans
- 1. Reissner's method
  - 2. Rankine method
  - 3. BIS code method
  - 4. Carpenter's simplified method

Question ID : 26433099433  
Option 1 ID : 264330390345  
Option 2 ID : 264330390348  
Option 3 ID : 264330390347  
Option 4 ID : 264330390346  
Status : Not Answered  
Chosen Option : --

Q.68 If the 30<sup>th</sup> highest hourly volume is adopted for design, there will be congestion on road for only:

- Ans
- 1. 30 hours in a year
  - 2. 29 hours in a year
  - 3. 70 hours in a year
  - 4. 0 hours in a year

Question ID : 26433086553  
Option 1 ID : 264330339854  
Option 2 ID : 264330339853  
Option 3 ID : 264330339855  
Option 4 ID : 264330339856  
Status : Answered  
Chosen Option : 2

Q.69 Which of the following sections is ideally suited for a compression member?

- 1. Section with different moment of inertia about perpendicular axis passing through its centre of gravity
- 2. Section with same moment of inertia about perpendicular axis passing through its centre of gravity
- 3. Section with high amount of material unevenly distributed
- 4. Section with larger length

Question ID : 264330100831  
Option 1 ID : 264330395870  
Option 2 ID : 264330395872  
Option 3 ID : 264330395871  
Option 4 ID : 264330395869  
Status : Answered  
Chosen Option : 2

Ans

Q.70 The kinetic head of water flowing through a pipe of diameter 60 cm is 4 m, whereas the total head of the water at a cross-section, which is 6 m above the datum line, is 60 m. Determine the pressure head of water.

- Ans
- 1. 50 m
  - 2. 56 m
  - 3. 48 m
  - 4. 60 m

Question ID : 264330158949  
Option 1 ID : 264330623155  
Option 2 ID : 264330623156  
Option 3 ID : 264330623158  
Option 4 ID : 264330623157  
Status : Answered  
Chosen Option : 1

Q.71 As per IS 486:2000, in reinforced and plain concrete footings, the thickness at the edge of the footing shall not be less than \_\_\_\_\_ for footings on soils.

- Ans
- 1. 120 mm
  - 2. 125 mm
  - 3. 150 mm
  - 4. 100 mm

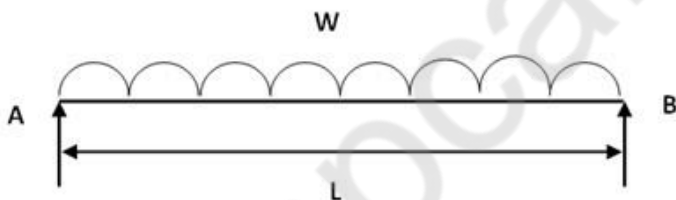
Question ID : 26433099434  
Option 1 ID : 264330390351  
Option 2 ID : 264330390352  
Option 3 ID : 264330390349  
Option 4 ID : 264330390350  
Status : Answered  
Chosen Option : 3

Q.72 Which of the following methods can be used to lower the water table by using gravity flow? Ans

- 1. Well point system
- 2. Dehydration
- 3. Dewatering
- 4. Water suction method

Question ID : 264330158954  
Option 1 ID : 264330623175  
Option 2 ID : 264330623178  
Option 3 ID : 264330623176  
Option 4 ID : 264330623177  
Status : Answered  
Chosen Option : 1

Q.73 Find the bending moment at a distance  $L/4$  from end A of the simply supported beam as shown below.



- 1. Zero
- 2.  $\frac{3 \cdot wL^2}{32}$
- 3.  $\frac{wL^2}{8}$
- 4.  $\frac{wL^2}{32}$

Ans

Question ID : 264330159411  
Option 1 ID : 264330625005  
Option 2 ID : 264330625006  
Option 3 ID : 264330625004  
Option 4 ID : 264330625003  
Status : Answered  
Chosen Option : 2

Q.74 The coefficient of discharge ( $C_d$ ) in terms of the coefficient of velocity ( $C_v$ ) and the coefficient of contraction ( $C_c$ ) is:

- Ans
- 1.  $C_d = C_c/C_v$
  - 2.  $C_d = C_v/C_c$
  - 3.  $C_d = C_v \times C_c$
  - 4.  $C_d = C_v + C_c$

Question ID : 264330158933  
Option 1 ID : 264330623094  
Option 2 ID : 264330623091  
Option 3 ID : 264330623092  
Option 4 ID : 264330623093  
Status : Answered  
Chosen Option : 3

Q.75 The absence of a bond between reinforcing steel and surrounding concrete in a RCC beam will result in:

- 1. zero axial stress at all points in a straight bar
- 2. linear variation of axial stress in a straight bar
- 3. constant stress at all points in a straight bar
- 4. parabolic variation of axial stress in a straight bar

Question ID : 264330159667  
Option 1 ID : 264330626029  
Option 2 ID : 264330626027  
Option 3 ID : 264330626030  
Option 4 ID : 264330626028  
Status : Answered  
Chosen Option : 1

Ans

Q.76 Which of the following stresses is mainly responsible for the stability of a masonry chimney?

- Ans
- 1. Tensile stresses due to earthquake
  - 2. Shear stress due to wind pressure
  - 3. Bending stress due to horizontal wind pressure
  - 4. Direct stress due to self-weight of the chimney

Question ID : 26433088039  
Option 1 ID : 264330345772  
Option 2 ID : 264330345771  
Option 3 ID : 264330345770  
Option 4 ID : 264330345769  
Status : Answered  
Chosen Option : 4

Q.77 According to IS 456:2000, for an RCC footing, the thickness of the footing at the edge shall NOT be less than \_\_\_\_\_ for footings on soils.

- Ans
- 1. 100 mm
  - 2. 200 mm
  - 3. 50 mm
  - 4. 150 mm

Question ID : 264330100816  
Option 1 ID : 264330395810  
Option 2 ID : 264330395812  
Option 3 ID : 264330395809  
Option 4 ID : 264330395811  
Status : Answered  
Chosen Option : 4

Q.78 The type of pile foundation that is installed in soft strata to build a stable foundation for heavy structures by the method of resistance is called:

- Ans
- 1. tension piles
  - 2. screw piles
  - 3. end bearing piles
  - 4. friction piles

Question ID : 26433099388  
Option 1 ID : 264330390165  
Option 2 ID : 264330390168  
Option 3 ID : 264330390167  
Option 4 ID : 264330390166  
Status : Answered  
Chosen Option : 4

Q.79 Which of the following is just above the blank pipe in the tube well?

- Ans
- 1. Strainer
  - 2. Barrel
  - 3. Main tube-well pipe
  - 4. Fulcrum

Question ID : 264330159828  
Option 1 ID : 264330626662  
Option 2 ID : 264330626659  
Option 3 ID : 264330626661  
Option 4 ID : 264330626660  
Status : Not Answered  
Chosen Option : --

Q.80 Pavement blocks are mostly recommended during construction due to:

- Ans
- 1. water absorption capacity
  - 2. efflorescence
  - 3. size of the block
  - 4. low maintenance

Question ID : 26433099394  
Option 1 ID : 264330390191  
Option 2 ID : 264330390189  
Option 3 ID : 264330390190  
Option 4 ID : 264330390192  
Status : Answered  
Chosen Option : 3

Q.81 \_\_\_\_\_ is the method of locating an offset point from 2 different points on a chain line in such a way that all the three points form a near-equilateral triangle.

- Ans
- 1. Oblique offset method
  - 2. Swing offset method
  - 3. Perpendicular offset method
  - 4. Method of ties

Question ID : 264330159314  
Option 1 ID : 264330624616  
Option 2 ID : 264330624618  
Option 3 ID : 264330624615  
Option 4 ID : 264330624617  
Status : Answered  
Chosen Option : 1

Q.82 Which of the following statements regarding an electronic theodolite fitted with a graduated circle encoded in an incremental system is INCORRECT?

- 1. Two photodiodes are placed perpendicular to each other over the graduated circle.
- 2. One of the photodiodes is fixed and the other moves with the telescope.
- 3. The graduated circle is made of glass.
- 4. The graduated circle is fixed and it does not move.

Question ID : 264330160629  
Option 1 ID : 264330629848  
Option 2 ID : 264330629849  
Option 3 ID : 264330629847  
Option 4 ID : 264330629850  
Status : Not Answered  
Chosen Option : ..

Ans

Q.83 Consider the following statements regarding horizontal equivalent and contour interval.

- i. Horizontal equivalent between two contour lines is always constant.
- ii. Horizontal equivalent may be zero for a vertical cliff.
- iii. Contour interval should be inversely proportional to the scale.
- iv. For detailed design work, large contour interval is taken.

Which of the given statements are correct?

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

Question ID : 264330100660  
Option 1 ID : 264330395186  
Option 2 ID : 264330395188  
Option 3 ID : 264330395185  
Option 4 ID : 264330395187  
Status : Answered  
Chosen Option : 3

Q.84 In India, stones with a specific gravity less than \_\_\_\_\_ are considered unsuitable for buildings.

- Ans
- 1. 3.6
  - 2. 3.2
  - 3. 2.4
  - 4. 2.8

Question ID : 264330157875  
Option 1 ID : 264330618862  
Option 2 ID : 264330618861  
Option 3 ID : 264330618859  
Option 4 ID : 264330618860  
Status : Answered  
Chosen Option : 3

Q.85 A simply supported beam of length 4 m is subjected to a udl of intensity 10 kN/m over entire span of beam. Determine the magnitude of maximum shear force acting anywhere in the beam.

- 1. 40/6 kN
- 2. 20 kN
- 3. 10 kN
- 4. 40 kN

Question ID : 264330159416  
Option 1 ID : 264330625026  
Option 2 ID : 264330625024  
Option 3 ID : 264330625025  
Option 4 ID : 264330625023  
Status : Answered  
Chosen Option : 2

Ans

Q.86 In soil mechanics, what is Darcy constant? Ans

- 1. coefficient of permeability
- 2. coefficient of compressibility
- 3. coefficient of compaction
- 4. coefficient of liquefaction

Question ID : 264330160352  
Option 1 ID : 264330628747  
Option 2 ID : 264330628748  
Option 3 ID : 264330628750  
Option 4 ID : 264330628749  
Status : Answered  
Chosen Option : 1

Q.87 The true reduced bearing is N 50° W and the magnetic declination is 2° E. Find the true bearing in the whole circle bearing system.

- Ans
- 1. 353°
  - 2. 355°
  - 3. 357°
  - 4. 5°

Question ID : 264330122652  
Option 1 ID : 264330480722  
Option 2 ID : 264330480720  
Option 3 ID : 264330480721  
Option 4 ID : 264330480719  
Status : Answered  
Chosen Option : 2

Q.88 What is the value of slope on the inside face of the flange for all the standard I-sections and channels sections of steel?

- 1.  $16\frac{3}{4}\%$
- 2.  $16\frac{1}{2}\%$
- 3.  $16\frac{4}{5}\%$
- 4.  $16\frac{2}{3}\%$

Question ID : 264330159692  
Option 1 ID : 264330626129  
Option 2 ID : 264330626127  
Option 3 ID : 264330626130  
Option 4 ID : 264330626128  
Status : Not Answered  
Chosen Option : ..

Ans

Q.89 The horizontal platform that is used for connecting two flights of a staircase is called \_\_\_\_\_.

- Ans
- 1. thread
  - 2. landing
  - 3. stringer
  - 4. connector

Question ID : 264330100813  
Option 1 ID : 264330395797  
Option 2 ID : 264330395799  
Option 3 ID : 264330395800  
Option 4 ID : 264330395798  
Status : Answered  
Chosen Option : 2



Q.90 Which of the following may NOT be a direct effect of noise pollution?

- Ans  1. Stomach disorder  
 2. Anxiety  
 3. Hearing loss  
 4. Migration of birds from cities

Question ID : 26433095916  
Option 1 ID : 264330376436  
Option 2 ID : 264330376433  
Option 3 ID : 264330376434  
Option 4 ID : 264330376435  
Status : Answered  
Chosen Option : 1

Q.91 Which of the following options represents the methods that can be used effectively to locate the routes of highways or railways from a contour map?

- Ans  1. Method of cross-section and the equal depth contours method  
 2. Method of cross-section and the tracing of contour gradient method  
 3. Tracing of contour gradient method and the equal depth contours method  
 4. Tracing of contour gradient method and the method of horizontal plane

Question ID : 264330160601  
Option 1 ID : 264330629737  
Option 2 ID : 264330629735  
Option 3 ID : 264330629736  
Option 4 ID : 264330629738  
Status : Answered  
Chosen Option : 1

Q.92 In a plane survey, the length of an arc 12 km long lying on the earth's surface is \_\_\_\_\_ greater than the subtended chord.

- Ans  1. 0.1 cm  
 2. 100 cm  
 3. 10 cm  
 4. 1 cm

Question ID : 264330159334  
Option 1 ID : 264330624695  
Option 2 ID : 264330624698  
Option 3 ID : 264330624697  
Option 4 ID : 264330624696  
Status : Answered  
Chosen Option : 4

Q.93 The density of mercury used in shrinkage limit apparatus is \_\_\_\_\_ (approx).

- Ans  1. 15.6 g/cc  
 2. 14.6 g/cc  
 3. 13.6 g/cc  
 4. 12.6 g/cc

Question ID : 26433096823  
Option 1 ID : 264330380032  
Option 2 ID : 264330380030  
Option 3 ID : 264330380029  
Option 4 ID : 264330380031  
Status : Answered  
Chosen Option : 3

Q.94 Arrange the various zones of distribution of soil moisture in the infiltration process. A.Saturation zone  
B.Wetting zone  
C.Transmission zone  
D.Transition zone

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

Question ID : 26433095843  
Option 1 ID : 264330376144  
Option 2 ID : 264330376143  
Option 3 ID : 264330376142  
Option 4 ID : 264330376141  
Status : Not Answered  
Chosen Option : ..

Q.95 By which method is valuation carried out to be initial or prime cost less depreciation?

- 1. Estimated cost from accounts
- 2. Cost from detailed items
- 3. Profit-based valuation
- 4. Initial cost-based valuation

Question ID : 264330159850  
Option 1 ID : 264330626749  
Option 2 ID : 264330626750  
Option 3 ID : 264330626747  
Option 4 ID : 264330626748  
Status : Not Attempted and  
Marked For Review  
Chosen Option : ..

Ans

Q.96 Pot and Bow Sleepers are which of the following type of sleepers?

- Ans
- 1. Chock sleepers
  - 2. Cast iron sleepers
  - 3. Steel sleepers
  - 4. Concrete sleepers

Question ID : 264330157154  
Option 1 ID : 264330615982  
Option 2 ID : 264330615979  
Option 3 ID : 264330615980  
Option 4 ID : 264330615981  
Status : Not Answered  
Chosen Option : ..

Q.97 Soil with particle size less than \_\_\_\_\_ mm is called fine grained soil (silt or clay).

- Ans
- 1. 0.020
  - 2. 0.075
  - 3. 0.015
  - 4. 14.750

Question ID : 26433096817  
Option 1 ID : 264330380006  
Option 2 ID : 264330380007  
Option 3 ID : 264330380005  
Option 4 ID : 264330380008  
Status : Answered  
Chosen Option : 2

Q.98 The power of a centrifugal pump depends on the rate of flow of water. The rate of flow of water from the centrifugal pump is directly proportional to the \_\_\_\_\_.

- Ans
- 1. revolutions per minute of the impeller
  - 2. inner diameter of the impeller
  - 3. total head
  - 4. outer diameter of the impeller

Question ID : 26433091149  
Option 1 ID : 264330358006  
Option 2 ID : 264330358005  
Option 3 ID : 264330358008  
Option 4 ID : 264330358007  
Status : Answered  
Chosen Option : 3

Q.99 With reference to lacings under compression members of steel structures, the width of the lacing flat for 20 mm of nominal diameter of rivet is \_\_\_\_\_.

- 1. 65 mm
- 2. 60 mm
- 3. 50 mm
- 4. 55 mm

Question ID : 264330159679  
Option 1 ID : 264330626078  
Option 2 ID : 264330626077  
Option 3 ID : 264330626075  
Option 4 ID : 264330626076  
Status : Answered  
Chosen Option : 2

Ans

Q.100 A vertical gate closes a horizontal tunnel 4 m high and 3 m wide running full with water. The bottom of the vertical gate is located at a distance of 8 m from the free water surface. Determine the total fluid force (in kN) acting on the gate.

Ans  1. 706

2. 720

3. 730

4. 740

Question ID : 26433088708

Option 1 ID : 264330348391

Option 2 ID : 264330348389

Option 3 ID : 264330348390

Option 4 ID : 264330348392

Status : Not Answered

Chosen Option : --

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