

Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Kuberpur
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 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. Boycott

✗ 2. Sidhu

✗ 3. Sunny

✗ 4. Harsha

Question ID : 26433081632

Option 1 ID : 264330320364

Option 2 ID : 264330320362

Option 3 ID : 264330320361

Option 4 ID : 264330320363

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

Chosen Option : --

Q.2 Which of the following terms will replace the question mark (?) in the given series?
ABDG, ?, EFHK, GHJM, IJLO

Ans  1. CDIF

 2. CDFI

 3. DCIF

 4. DCFI

Question ID : 26433089472

Option 1 ID : 264330351391

Option 2 ID : 264330351390

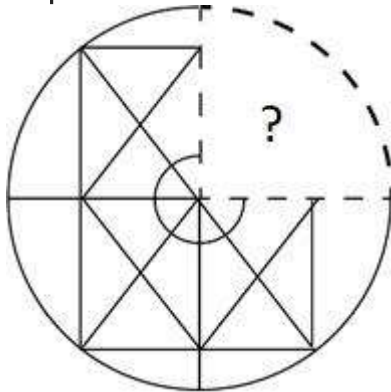
Option 3 ID : 264330351389

Option 4 ID : 264330351392

Status : Answered

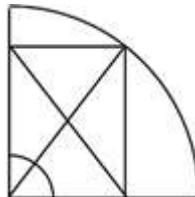
Chosen Option : 2

Q.3 Select the figure from the options that can replace the question mark (?) and complete the pattern.

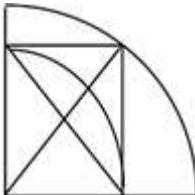


Ans

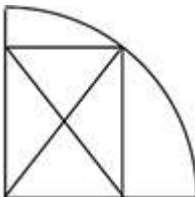
✓ 1.



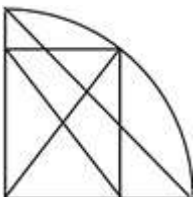
✗ 2.



✗ 3.



✗ 4.



Question ID : 26433092788

Option 1 ID : 264330364444

Option 2 ID : 264330364443

Option 3 ID : 264330364442

Option 4 ID : **264330364441**
Status : **Answered**
Chosen Option : **1**

Q.4 Which of the following numbers will replace the question mark (?) in the given series?

32, 49, ?, 89, 112, 137, 164

Ans  1. 66

 2. 68

 3. 64

 4. 72

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

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

HCYU, AKUO, TSQI, ?, FIJA

Ans  1. NAME

 2. MAME

 3. NBNF

 4. MBMF

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

Q.6 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
 - ☐ 2. Father
 - ☒ 3. Brother's son
 - ☐ 4. Son

Question ID : 26433086252

Option 1 ID : 264330338703

Option 2 ID : 264330338701

Option 3 ID : 264330338702

Option 4 ID : 264330338704

Status : Answered

Chosen Option : 3

Q.7 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. IRAQ : KYAT
 - ☒ 2. THAILAND : BAHT
 - ☐ 3. GERMANY : LIRA
 - ☐ 4. DUBAI : TAKA

Question ID : 264330144614

Option 1 ID : 264330566714

Option 2 ID : 264330566713

Option 3 ID : 264330566712

Option 4 ID : 264330566711

Status : Answered

Chosen Option : 1

Q.8 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. 6 km, East
 2. 7 km, North
 3. 4 km, North
 4. 5 km, East

Question ID : 264330122430

Option 1 ID : 264330479844

Option 2 ID : 264330479845

Option 3 ID : 264330479846

Option 4 ID : 264330479843

Status : Answered

Chosen Option : 2

Q.9 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. 100
 2. 102
 3. 114
 4. 108

Question ID : 264330144551

Option 1 ID : 264330566462

Option 2 ID : 264330566459

Option 3 ID : 264330566461

Option 4 ID : 264330566460

Status : Answered

Chosen Option : 2

Q.10 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. 36
 - ☒ 2. 25
 - ☒ 3. 24
 - ☒ 4. 48

Question ID : 264330144872

Option 1 ID : 264330567744

Option 2 ID : 264330567743

Option 3 ID : 264330567745

Option 4 ID : 264330567746

Status : Answered

Chosen Option : 4

Q.11 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

a h r 4 7 D



- Ans
- ☒ 1. d 7 4 r h a
 - ☒ 2. d 1 4 r h a
 - ☒ 3. d 7 4 r h a
 - ☒ 4. d 7 4 r h a

Question ID : 26433056963

Option 1 ID : 264330222839

Option 2 ID : 264330222838

Option 3 ID : 264330222836

Option 4 ID : 264330222837

Status : Answered

Chosen Option : 3

Q.12 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. 55 m east

 2. 70 m west

 3. 65 m east

 4. 60 m west

Question ID : **264330131635**

Option 1 ID : **264330515641**

Option 2 ID : **264330515639**

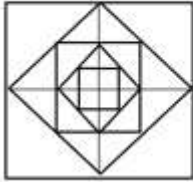
Option 3 ID : **264330515642**

Option 4 ID : **264330515640**

Status : **Answered**

Chosen Option : **2**

Q.13 How many square are there in the given figure?



Ans ✓ 1. 17

✗ 2. 16

✗ 3. 18

✗ 4. 20

Question ID : 264330144812

Option 1 ID : 264330567504

Option 2 ID : 264330567503

Option 3 ID : 264330567506

Option 4 ID : 264330567505

Status : Answered

Chosen Option : 1

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.

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

Ans ✗ 1. 54

✗ 2. 60

✗ 3. 56

✓ 4. 52

Question ID : 26433095003

Option 1 ID : 264330372836

Option 2 ID : 264330372834

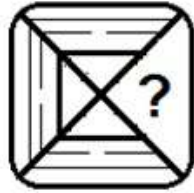
Option 3 ID : 264330372835

Option 4 ID : 264330372833

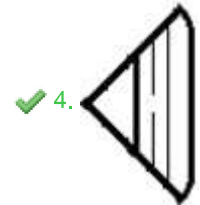
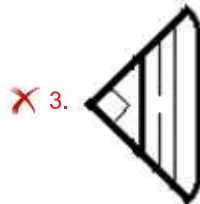
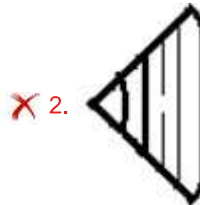
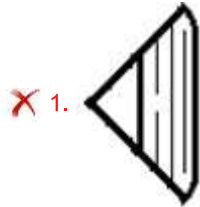
Status : Answered

Chosen Option : 4

Q.15 Select the figure from the options that can replace the question mark (?) and complete the given pattern.



Ans



Question ID : 26433074802

Option 1 ID : 264330293297

Option 2 ID : 264330293299

Option 3 ID : 264330293298

Option 4 ID : 264330293296

Status : Answered

Chosen Option : 4

Q.16 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. 69
 -  2. 124
 -  3. 84
 -  4. 90

Question ID : 264330144602

Option 1 ID : 264330566664

Option 2 ID : 264330566663

Option 3 ID : 264330566666

Option 4 ID : 264330566665

Status : Answered

Chosen Option : 3

Q.17 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. 28
 -  2. 32
 -  3. 24
 -  4. 18

Question ID : 264330132328

Option 1 ID : 264330518410

Option 2 ID : 264330518409

Option 3 ID : 264330518407

Option 4 ID : 264330518408

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.18 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, 3, 1, 4, 2

 2. 5, 1, 3, 4, 2

 3. 5, 1, 3, 2, 4

 4. 5, 1, 4, 3, 2

Question ID : 264330129555

Option 1 ID : 264330507586

Option 2 ID : 264330507589

Option 3 ID : 264330507588

Option 4 ID : 264330507587


Status : Answered


Chosen Option : 3

Q.19 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. \div and $-$

 3. $-$ and \times

 4. \times and $+$

Question ID : 264330129531

Option 1 ID : 264330507491

Option 2 ID : 264330507490

Option 3 ID : 264330507493

Option 4 ID : 264330507492

Status : Answered

Chosen Option : 1

Q.20 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. Spine

 2. Toe

 3. Hand

 4. Neck

Question ID : 26433076682

Option 1 ID : 264330300795

Option 2 ID : 264330300792

Option 3 ID : 264330300794

Option 4 ID : 264330300793

Status : Answered

Chosen Option : 2

Q.21 In a certain code language, 'AUDIT' is coded as BWGHR and 'HEAVY' is coded as IGDUW. How will 'INDEX' be coded in that language?

Ans  1. KPHDW

 2. JQHDV

 3. KPGDU

 4. JPGDV

Question ID : 264330133212

Option 1 ID : 264330521898

Option 2 ID : 264330521895

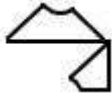
Option 3 ID : 264330521897

Option 4 ID : 264330521896

Status : Answered

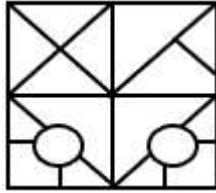
Chosen Option : 4

Q.22 Select the option in which the given figure is embedded (rotation is NOT allowed).

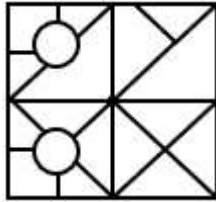


Ans

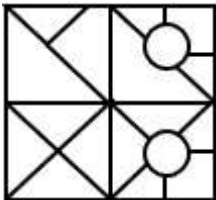
✗ 1.



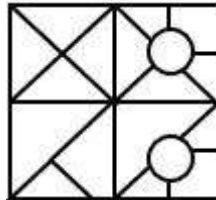
✗ 2.



✗ 3.



✓ 4.



Question ID : 264330129546

Option 1 ID : 264330507552

Option 2 ID : 264330507553

Option 3 ID : 264330507550

Option 4 ID : 264330507551

Status : Answered

Chosen Option : 4

Q.23 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. 169

 2. 182

 3. 178

 4. 155

Question ID : 264330126063

Option 1 ID : 264330493925

Option 2 ID : 264330493927

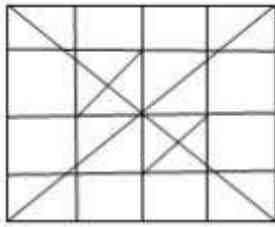
Option 3 ID : 264330493926

Option 4 ID : 264330493924

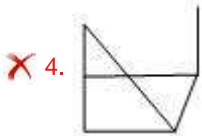
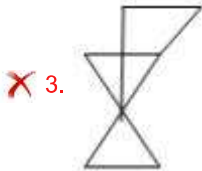
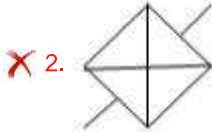
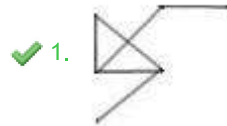
Status : Answered

Chosen Option : 3

Q.24 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 : 264330567387

Option 2 ID : 264330567388

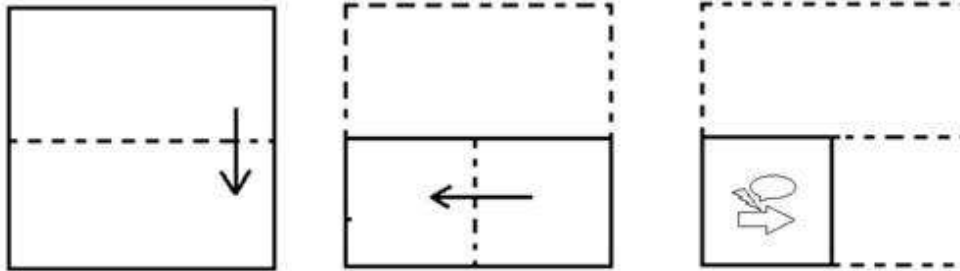
Option 3 ID : 264330567390

Option 4 ID : 264330567389

Status : Answered

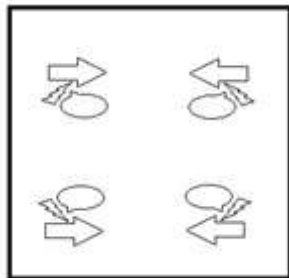
Chosen Option : 1

Q.25 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.

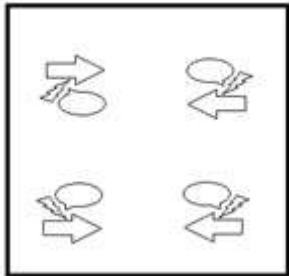


Ans

✓ 1.



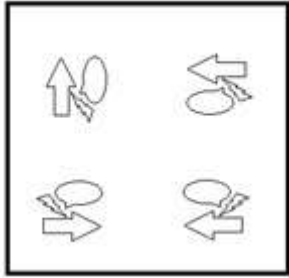
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330103214

Option 1 ID : 264330405163

Option 2 ID : 264330405161

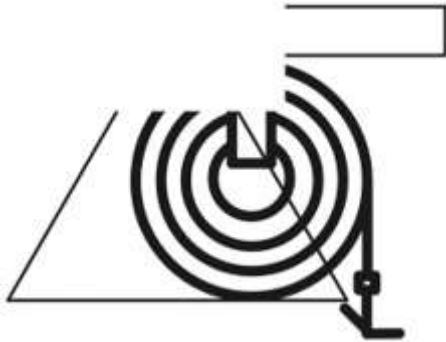
Option 3 ID : 264330405162

Option 4 ID : 264330405164

Status : **Answered**

Chosen Option : 3

Q.26 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 : 264330316272

Option 2 ID : 264330316270

Option 3 ID : 264330316271

Option 4 ID : 264330316269

Status : Answered

Chosen Option : 2

Q.27 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 : 264330268885

Option 3 ID : 264330268887

Option 4 ID : 264330268884

Status : Answered


Chosen Option : 4

Q.28 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?

Ans  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

Q.29 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

Ans

☒ 1. **7 Z B 2 W R**

☒ 2. **7 Z B 2 W R**

☒ 3. **7 Z B 5 W R**

☒ 4. **7 Z B 5 W R**

Question ID : **26433056843**

Option 1 ID : **264330222357**

Option 2 ID : **264330222359**

Option 3 ID : **264330222358**

Option 4 ID : **264330222356**

Status : **Answered**

Chosen Option : **2**

Q.30 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. 3 1 5 2 4

 2. 5 1 3 2 4

 3. 5 3 1 2 4

 4. 3 5 1 2 4

Question ID : 264330131592

Option 1 ID : 264330515470

Option 2 ID : 264330515468

Option 3 ID : 264330515469

Option 4 ID : 264330515467

Status : Answered

Chosen Option : 3

Q.31 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

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

 2. 3, 5, 1, 4, 2

 3. 3, 5, 1, 2, 4

 4. 3, 1, 5, 2, 4

Question ID : 264330129556

Option 1 ID : 264330507592

Option 2 ID : 264330507590

Option 3 ID : 264330507591

Option 4 ID : 264330507593

Status : Answered

Chosen Option : 3

Q.32 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.

Ans  1. Only conclusion II follows

 2. Only conclusion I follows

 3. Neither conclusion I nor II follows

 4. Both conclusions I and II follow

Question ID : 264330144657

Option 1 ID : 264330566884

Option 2 ID : 264330566883

Option 3 ID : 264330566886

Option 4 ID : 264330566885


Status : Answered

Chosen Option : 1

Q.33 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. Emotion

 2. Gift

 3. Habit

 4. Accident

Question ID : **26433078841**

Option 1 ID : **264330309379**

Option 2 ID : **264330309376**

Option 3 ID : **264330309378**

Option 4 ID : **264330309377**

Status : **Answered**

Chosen Option : **4**

Q.34 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 and III follow

 2. Only II and III follow

 3. Only I follows

 4. Only II follows

Question ID : 264330144507

Option 1 ID : 264330566284

Option 2 ID : 264330566286

Option 3 ID : 264330566283

Option 4 ID : 264330566285

Status : **Answered**

Chosen Option : 1

Q.35 Which letter-cluster will replace the question mark (?) to complete the given series?

IYMV, JXNU, LVPS, ? , SOWL

- Ans**  1. OSPS
 2. POSO
 3. OPPS
 4. OSSP

Question ID : **264330144498**

Option 1 ID : **264330566248**

Option 2 ID : **264330566249**

Option 3 ID : **264330566250**




Option 4 ID : **264330566247**

Status : **Answered**

Chosen Option : **4**

Q.36 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

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

Question ID : **264330144561**

Option 1 ID : **264330566499**

Option 2 ID : **264330566500**

Option 3 ID : **264330566501**

Option 4 ID : **264330566502**


Status : **Answered**

Chosen Option : **2**


Q.37 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 : 264330507502

Option 2 ID : 264330507504

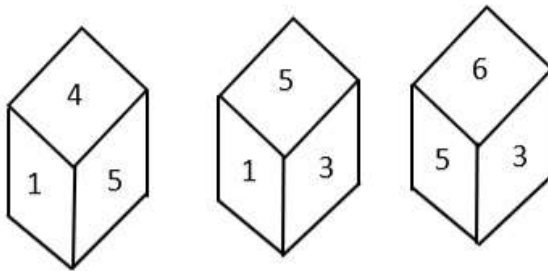
Option 3 ID : 264330507503

Option 4 ID : 264330507505

Status : **Answered**

Chosen Option : 3

Q.38 Three different positions of the same dice are shown. Find the number on the face opposite the face having '2'.



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

Question ID : 26433068718

Option 1 ID : 264330269385

Option 2 ID : 264330269387

Option 3 ID : 264330269384

Option 4 ID : 264330269386

Status : Answered


Chosen Option : 4

Q.39 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. (18, 50, 230)

 2. (17, 47, 112)

 3. (13, 35, 143)

 4. (15, 49, 199)

Question ID : 264330144427

Option 1 ID : 264330565966

Option 2 ID : 264330565963

Option 3 ID : 264330565965

Option 4 ID : 264330565964

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

Chosen Option : --

Q.40 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. Wife's father
☐ 2. Brother
☐ 3. Father
☐ 4. Wife's brother

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

Q.41 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. 48
☐ 3. 35
☐ 4. 50

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

Q.42 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. GKP**

 **3. FLP**

 **4. FJQ**

Question ID : **264330144560**

Option 1 ID : **264330566496**

Option 2 ID : **264330566498**

Option 3 ID : **264330566497**

Option 4 ID : **264330566495**

Status : **Answered**

Chosen Option : **1**

Q.43 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. 324**

 **3. 342**

 **4. 322**

Question ID : **26433078932**

Option 1 ID : **264330309742**

Option 2 ID : **264330309740**

Option 3 ID : **264330309743**

Option 4 ID : **264330309741**

Status : **Answered**


Chosen Option : **3**

Q.44 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. (747, 25, 1423)

 2. (651, 16, 940)

 3. (832, 8, 887)

 4. (541, 14, 737)

Question ID : 264330144428

Option 1 ID : 264330565970

Option 2 ID : 264330565969

Option 3 ID : 264330565967

Option 4 ID : 264330565968

Status : Answered

Chosen Option : 4

Q.45 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. OAEUIAE

 3. AIEOOUI

 4. OOAIOEI

Question ID : 264330144496

Option 1 ID : 264330566242

Option 2 ID : 264330566241

Option 3 ID : 264330566239

Option 4 ID : 264330566240

Status : Answered

Chosen Option : 1

Q.46 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?

Ans  1. 0

 2. 3

 3. 2

 4. 1

Question ID : 264330144649

Option 1 ID : 264330566854

Option 2 ID : 264330566853

Option 3 ID : 264330566852





Option 4 ID : 264330566851

Status : Answered

Chosen Option : 3

Q.47 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. Cube : Six
 -  3. Nonagon : Nine
 -  4. Heptagon : Eight

Question ID : 264330117396

Option 1 ID : 264330461627

Option 2 ID : 264330461628

Option 3 ID : 264330461625

Option 4 ID : 264330461626

Status : Answered

Chosen Option : 3


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

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

(5, 3, 6)

(7, 2, 17)

Ans  1. (3, 2, 5)

 2. (15, 4, 30)

 3. (4, 3, 1)

 4. (8, 6, 4)

Question ID : 264330144448

Option 1 ID : 264330566050

Option 2 ID : 264330566048

Option 3 ID : 264330566049

Option 4 ID : 264330566047

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

Chosen Option : --

Q.49 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, 1, 2, 4, 5

✗ 2. 1, 2, 5, 3, 4

✗ 3. 1, 3, 2, 4, 5

✗ 4. 3, 2, 1, 5, 4

Question ID : 26433074672

Option 1 ID : 264330292776

Option 2 ID : 264330292779

Option 3 ID : 264330292777

Option 4 ID : 264330292778

Status : Answered

Chosen Option : 1

Q.50 Which letter cluster will replace the question mark (?) to complete the given series?

SXT, PVU, MTV, JRW, ?

Ans ✗ 1. HPZ

✗ 2. GOZ

✓ 3. GPX

✗ 4. GQY

Question ID : 264330144575

Option 1 ID : 264330566555

Option 2 ID : 264330566558





Option 3 ID : 264330566557

Option 4 ID : 264330566556

Status : Answered

Chosen Option : 3

Q.1 Select the correct statement.

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

Question ID : 264330112835

Option 1 ID : 264330443428

Option 2 ID : 264330443427

Option 3 ID : 264330443426

Option 4 ID : 264330443425

Status : Answered

Chosen Option : 4

Q.2 Which of the following Articles of the Constitution of India guarantees equality of opportunity in matters of public employment?

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

Question ID : 26433086818

Option 1 ID : 264330340915

Option 2 ID : 264330340913

Option 3 ID : 264330340916

Option 4 ID : 264330340914

Status : Not Answered

Chosen Option : --

Q.3 Which of the following is a secondary function of money?

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

Question ID : 264330144411

Option 1 ID : 264330565900

Option 2 ID : 264330565899

Option 3 ID : 264330565901

Option 4 ID : 264330565902

Status : **Marked For Review**

Chosen Option : 1

Q.4 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 from Kolkata.
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. 1, 2 and 3 only
- ☐ 3. 2 and 3 only
- ☐ 4. 1, 3 and 4 only

Question ID : 264330121487

Option 1 ID : 264330476134

Option 2 ID : 264330476133

Option 3 ID : 264330476131

Option 4 ID : 264330476132

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

Chosen Option : --

Q.5 The trial for Meerut conspiracy took place under whose Viceroyalty?

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

Question ID : **264330109040**

Option 1 ID : **264330428438**

Option 2 ID : **264330428439**

Option 3 ID : **264330428437**

Option 4 ID : **264330428440**

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

Chosen Option : --

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

- Ans**
- ☒ 1. cricket
 - ☐ 2. football
 - ☐ 3. tennis
 - ☐ 4. volleyball

Question ID : **264330119251**

Option 1 ID : **264330467291**

Option 2 ID : **264330467293**

Option 3 ID : **264330467292**

Option 4 ID : **264330467294**

Status : **Answered**

Chosen Option : 1

Q.7 In March 2023, how many PM MITRA (Pradhan Mantri Mega Integrated Textile Region and Apparel) Park sites were announced?

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

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

Q.8 What is the diameter of the largest lens objective used at Yerkes Observatory in Wisconsin, USA?

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

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

Q.9 While Proclamation of emergency is in operation, the term of the Lok Sabha can be extended for a period not exceeding _____ at a time.

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

Question ID : 264330130486

Option 1 ID : 264330511056

Option 2 ID : 264330511058

Option 3 ID : 264330511057

Option 4 ID : 264330511055

Status : **Answered**

Chosen Option : 3

Q.10 Vinai Kumar Saxena, who took over as the 22nd Lieutenant Governor of Delhi on 26th May 2022, hails from _____.

- Ans** ☒ 1. Uttar Pradesh
☒ 2. Odisha
☒ 3. Jharkhand
☒ 4. Madya Pradesh

Question ID : 264330132585

Option 1 ID : 264330519437

Option 2 ID : 264330519435

Option 3 ID : 264330519436

Option 4 ID : 264330519438

Status : **Not Answered**

Chosen Option : --

Q.11 Identify the group of peninsular rivers.

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

Question ID : **264330157081**

Option 1 ID : **264330615696**

Option 2 ID : **264330615698**

Option 3 ID : **264330615697**

Option 4 ID : **264330615695**

Status : **Not Answered**

Chosen Option : --

Q.12 In which year was India's first paperless budget presented in the Parliament?

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

Question ID : **264330109359**

Option 1 ID : **264330429716**

Option 2 ID : **264330429714**

Option 3 ID : **264330429715**

Option 4 ID : **264330429713**

Status : **Answered**

Chosen Option : 1

Q.13 How many members were given the task of taking care of administration of the Mauryan army?

Ans  1. 20

 2. 35

 3. 25

 4. 30

Question ID : 264330112134

Option 1 ID : 264330440621

Option 2 ID : 264330440624

Option 3 ID : 264330440622

Option 4 ID : 264330440623

Status : **Not Answered**

Chosen Option : --

Q.14 As per the provisional figures of the 2011 census, the literacy rate has registered an increase of ____ percentage points since 2001.

Ans  1. 13.20

 2. 11.01

 3. 9.21

 4. 7.48

Question ID : 264330111352

Option 1 ID : 264330437496

Option 2 ID : 264330437494

Option 3 ID : 264330437493

Option 4 ID : 264330437495

Status : **Not Answered**

Chosen Option : --

Q.15 Bagurumba is a folk dance of which tribe of Assam?

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

Question ID : 26433072627

Option 1 ID : 264330284769

Option 2 ID : 264330284771

Option 3 ID : 264330284770

Option 4 ID : 264330284768

Status : Not Answered

Chosen Option : --

Q.16 Which of the following statements is related to Garib Kalyan Rojgar Abhiyaan (GKRA)?

- Ans
- ☐ 1. It provides 135 days employment.
 - ☐ 2. It was started in 116 districts.
 - ☒ 3. It was started in 10 states.
 - ☐ 4. It was launched in 2018.

Question ID : 264330157097

Option 1 ID : 264330615760

Option 2 ID : 264330615761

Option 3 ID : 264330615762

Option 4 ID : 264330615759

Status : Answered

Chosen Option : 1

Q.17 Where did Lord Wavell call a conference between Congress and Muslim League leaders to reach an agreement?

- Ans**
- ☐ 1. Lucknow
 - ☐ 2. Calcutta
 - ☒ 3. Simla
 - ☐ 4. Delhi

Question ID : 264330109041

Option 1 ID : 264330428441

Option 2 ID : 264330428442

Option 3 ID : 264330428443

Option 4 ID : 264330428444

Status : **Not Answered**

Chosen Option : --

Q.18 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.

- Ans**
- ☒ 1. Only statements 1 and 2 are correct
 - ☐ 2. Only statements 2 and 3 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 : 264330516351

Option 2 ID : 264330516354


Option 3 ID : 264330516352

Option 4 ID : 264330516353

Status : **Answered**

Chosen Option : 3

Q.19 Who invites the leader of the majority party to form the Government?

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

Question ID : 264330112757

Option 1 ID : 264330443113

Option 2 ID : 264330443114





Option 3 ID : 264330443116

Option 4 ID : 264330443115

Status : Answered

Chosen Option : 2

Q.20 Which of the following is the correct sentence about the mitotic cell division?

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

Question ID : 264330111556

Option 1 ID : 264330438312

Option 2 ID : 264330438309

Option 3 ID : 264330438311

Option 4 ID : 264330438310

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.21 Which disease is transmitted to humans by a flavivirus that can cause inflammation in the brain?

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

Question ID : 264330110070

Option 1 ID : 264330432558

Option 2 ID : 264330432559

Option 3 ID : 264330432560

Option 4 ID : 264330432557

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

Chosen Option : --

Q.22 The number of participant countries in the first Asian Games was ____.

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

Question ID : 264330110336

Option 1 ID : 264330433623

Option 2 ID : 264330433622

Option 3 ID : 264330433624

Option 4 ID : 264330433621

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

Chosen Option : --

Q.23 How can you insert a new row or column MS Excel?

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

Question ID : 264330168594

Option 1 ID : 264330661187

Option 2 ID : 264330661188

Option 3 ID : 264330661190

Option 4 ID : 264330661189

Status : Answered

Chosen Option : 3

Q.24 What does data encryption involve?

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

Question ID : 264330168585

Option 1 ID : 264330661153

Option 2 ID : 264330661154

Option 3 ID : 264330661152

Option 4 ID : 264330661151

Status : Answered

Chosen Option : 4

Q.25 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. Kathakali
 - ☐ 2. Kuchipudi
 - ☐ 3. Odisi
 - ☐ 4. Manipuri

Question ID : 2643306689

Option 1 ID : 264330261283

Option 2 ID : 264330261281

Option 3 ID : 264330261280

Option 4 ID : 264330261282

Status : **Not Answered**

Chosen Option : --

Q.26 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. Keshvananda Bharati Case
 - ☐ 2. Minerva Mills Case
 - ☐ 3. Maneka Gandhi case
 - ☐ 4. Golaknath Case

Question ID : 264330130435

Option 1 ID : 264330510851

Option 2 ID : 264330510852




Option 3 ID : 264330510853

Option 4 ID : 264330510854

Status : **Not Answered**

Chosen Option : --

Q.27 Ali Ahmad Hussain Khan was an exponent of _____.

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

Question ID : 26433082119
Option 1 ID : 264330322310
Option 2 ID : 264330322309
Option 3 ID : 264330322311
Option 4 ID : 264330322312
Status : Answered
Chosen Option : 2

Q.28 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. Increase in income inequalities
-  2. Pest attacks
-  3. Inter-crop imbalances
-  4. Regional disparities

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

Q.29 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 : **Marked For Review**

Chosen Option : 3

Q.30 Which of the following compounds is a heterocyclic compound?

Ans ✗ 1. Methane

✗ 2. Ethane

✗ 3. Acetic acid

✓ 4. Furan

Question ID : 264330131670

Option 1 ID : 264330515780

Option 2 ID : 264330515781

Option 3 ID : 264330515782

Option 4 ID : 264330515779

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

Chosen Option : --

Q.31 Which muscles can help modify the curvature in an eye lens?

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

Question ID : 264330134850

Option 1 ID : 264330528336

Option 2 ID : 264330528338

Option 3 ID : 264330528335

Option 4 ID : 264330528337

Status : **Marked For Review**

Chosen Option : 3

Q.32 Which of the following monuments was built by Muhammad Quli Qutb Shah?

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

Question ID : 26433089196

Option 1 ID : 264330350302

Option 2 ID : 264330350301

Option 3 ID : 264330350304

Option 4 ID : 264330350303

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

Chosen Option : --

Q.33 In which state of India is shifting cultivation known as 'Bringa'?

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

Question ID : 264330116452

Option 1 ID : 264330457896

Option 2 ID : 264330457894

Option 3 ID : 264330457895

Option 4 ID : 264330457893

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

Chosen Option : --

Q.34 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-c, ii-d, iii-a, iv-b
 - ☒ 2. i-d, ii-c, iii-b, iv-a
 - ☒ 3. i-c, ii-d, iii-b, iv-a
 - ☒ 4. i-c, ii-a, iii-d, iv-b

Question ID : 264330138009

Option 1 ID : 264330540644

Option 2 ID : 264330540646

Option 3 ID : 264330540645

Option 4 ID : 264330540643

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

Chosen Option : --

Q.35 Pandit Shivrath Mishra, Padma Shri Awardee in 2022, is well known for his contribution to which of the following musical instruments?

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

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

Q.36 According to the Census of India 2011, India's decadal growth rate was _____.

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

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

Q.37 Which letter symbol represents the Semi-arid steppe climate according to Köppen's scheme?

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

Question ID : 264330113788

Option 1 ID : 264330447239

Option 2 ID : 264330447238

Option 3 ID : 264330447237

Option 4 ID : 264330447240

Status : **Not Answered**

Chosen Option : --

Q.38 What are the places where the groundwater is stored between layers of hard rock below the water table called?

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

Question ID : 26433064776

Option 1 ID : 264330253698

Option 2 ID : 264330253699

Option 3 ID : 264330253696

Option 4 ID : 264330253697

Status : **Answered**

Chosen Option : 1

Q.39 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/Up-skilling?

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

Question ID : 264330156919

Option 1 ID : 264330615052

Option 2 ID : 264330615051

Option 3 ID : 264330615053

Option 4 ID : 264330615054

Status : **Not Answered**

Chosen Option : --

Q.40 According to which Article of the Indian Constitution is the population census a Union subject?

- Ans
- ☐ 1. Article 79
 - ☐ 2. Article 154
 - ☒ 3. Article 246
 - ☐ 4. Article 280

Question ID : 264330111343

Option 1 ID : 264330437459

Option 2 ID : 264330437458

Option 3 ID : 264330437457

Option 4 ID : 264330437460

Status : **Not Answered**

Chosen Option : --

Q.41 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. Sathiyar Gnanasekaran
 - ☒ 2. Kamlesh Navichandra Mehta
 - ☒ 3. Omar Assar
 - ☒ 4. Sharath Achanta Kamal

Question ID : 264330137296

Option 1 ID : 264330537813

Option 2 ID : 264330537811

Option 3 ID : 264330537812

Option 4 ID : 264330537814

Status : **Not Answered**

Chosen Option : --

Q.42 At which place was India's first Grass Conservatory launched by the Research Wing of the Uttarakhand Forest Department in November 2021?

- Ans**
- ☒ 1. Haridwar
 - ☒ 2. Mussoorie
 - ☒ 3. Dehradun
 - ☒ 4. Ranikhet

Question ID : 26433082803

Option 1 ID : 264330325048

Option 2 ID : 264330325047

Option 3 ID : 264330325046

Option 4 ID : 264330325045

Status : **Not Answered**

Chosen Option : --

Q.43 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

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

 2. i-b, ii-c, iii-d, iv-a

 3. i-d, ii-c, iii-b, iv-a

 4. i-a, ii-b, iii-c, iv-d

Question ID : 264330120048

Option 1 ID : 264330470448

Option 2 ID : 264330470449

Option 3 ID : 264330470450

Option 4 ID : 264330470447

Status : **Not Answered**

Chosen Option : --

Q.44 Which of the following is the style of temple architecture popular in northern India?

Ans  1. Dravida

 2. Vimana

 3. Mandapa

 4. Nagara

Question ID : 26433071465

Option 1 ID : 264330280284

Option 2 ID : 264330280285

Option 3 ID : 264330280287

Option 4 ID : 264330280286

Status : **Answered**

Chosen Option : 3

Q.45 Which hard, rubbery and elastic material has the ability to stretch and rise due to the action of baking powder or yeast?

- Ans  1. Gelatine
-  2. Gluten
-  3. Secalin
-  4. Hordein

Question ID : 264330144344

Option 1 ID : 264330565637

Option 2 ID : 264330565636

Option 3 ID : 264330565635

Option 4 ID : 264330565638

Status : **Not Answered**

Chosen Option : --

Q.46 In which Province of India was the Bardoli Satyagraha launched?

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

Question ID : 264330112166

Option 1 ID : 264330440752

Option 2 ID : 264330440750





Option 3 ID : 264330440751

Option 4 ID : 264330440749

Status : **Not Answered**

Chosen Option : --

Q.47 Biodiversity is defined as a:

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

Question ID : **264330109929**

Option 1 ID : **264330431996**

Option 2 ID : **264330431995**

Option 3 ID : **264330431993**

Option 4 ID : **264330431994**

Status : **Answered**

Chosen Option : **3**

Q.48 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**

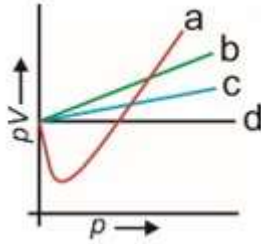
Option 3 ID : **264330519999**

Option 4 ID : **264330520002**

Status : **Answered**

Chosen Option : **2**

Q.49 Select the correct plot of ideal gas in the given figure.



Ans ☒ 1. d

☒ 2. c

☒ 3. b

☒ 4. a

Question ID : 264330131694

Option 1 ID : 264330515878

Option 2 ID : 264330515877

Option 3 ID : 264330515876

Option 4 ID : 264330515875

Status : Marked For Review

Chosen Option : 1

Q.50 How many members' signatures are required to initiate the impeachment process against the President of India.

Ans ☒ 1. In case of Lok Sabha 100 members, in case of Rajya Sabha 50 members

☒ 2. In case of Rajya Sabha i.e. 1/4 members, in case of Lok Sabha 1/3 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 : 264330468858

Option 2 ID : 264330468857

Option 3 ID : 264330468856

Option 4 ID : 264330468855

Status : Answered

Chosen Option : 3

Q.1 Which of the following does NOT represent the grade of Bitumen based on viscosity?

Ans ✓ 1. VG-50

✗ 2. VG-30

✗ 3. VG-40

✗ 4. VG-20

Question ID : 264330157867

Option 1 ID : 264330618830

Option 2 ID : 264330618828

Option 3 ID : 264330618829

Option 4 ID : 264330618827

Status : Answered

Chosen Option : 4

Q.2 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. inner diameter of the impeller

✓ 2. revolutions per minute of the impeller

✗ 3. total head

✗ 4. outer diameter of the impeller

Question ID : 26433091149

Option 1 ID : 264330358005

Option 2 ID : 264330358006

Option 3 ID : 264330358008

Option 4 ID : 264330358007

Status : Marked For Review

Chosen Option : 3

Q.3 Offsets from the tangents method of curve setting can be adopted if _____.

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

Question ID : 264330160620

Option 1 ID : 264330629812

Option 2 ID : 264330629811

Option 3 ID : 264330629813

Option 4 ID : 264330629814

Status : Answered

Chosen Option : 4

Q.4 Which of the following statements is INCORRECT?

- Ans ☒ 1. The lower the water-cement ratio is, the higher will be the strength of concrete.
- ☒ 2. 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.
- ☒ 3. Lower water-cement ratio leads to lower workability.
- ☒ 4. Graphically, the relation between the strength of concrete and the water-cement ratio is approximately cubic.

Question ID : 264330157693

Option 1 ID : 264330618132

Option 2 ID : 264330618131

Option 3 ID : 264330618134

Option 4 ID : 264330618133

Status : Answered

Chosen Option : 4

Q.5 Which of the following may NOT be a direct effect of noise pollution?

Ans  1. Stomach disorder

 2. Hearing loss

 3. Migration of birds from cities

 4. Anxiety

Question ID : 26433095916

Option 1 ID : 264330376436

Option 2 ID : 264330376434

Option 3 ID : 264330376435

Option 4 ID : 264330376433

Status : Answered

Chosen Option : 1

Q.6 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. 720

 2. 730

 3. 706

 4. 740

Question ID : 26433088708

Option 1 ID : 264330348389

Option 2 ID : 264330348390

Option 3 ID : 264330348391

Option 4 ID : 264330348392

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.7 Calculate the approximate mass density of oil with 4.5m^3 of volume and 40 kN of weight. (Consider $g = 10 \text{ m/s}^2$)

- Ans
- ☒ 1. 850 kg/m^3
 - ☒ 2. 920 kg/m^3
 - ☒ 3. 809 kg/m^3
 - ☒ 4. 889 kg/m^3

Question ID : 264330158993

Option 1 ID : 264330623334

Option 2 ID : 264330623331

Option 3 ID : 264330623333

Option 4 ID : 264330623332

Status : Answered

Chosen Option : 4

Q.8 The dimension of Manning's roughness coefficient 'n' is:

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

Question ID : 264330158923

Option 1 ID : 264330623051

Option 2 ID : 264330623053

Option 3 ID : 264330623052

Option 4 ID : 264330623054

Status : Answered

Chosen Option : 1

Q.9 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. Hammer dressing
 ☒ 3. Rough tooling
 ☒ 4. Chisel drafting

Question ID : 264330157872

Option 1 ID : 264330618847

Option 2 ID : 264330618848

Option 3 ID : 264330618850

Option 4 ID : 264330618849

Status : **Marked For Review**

Chosen Option : 2

Q.10 Which of the following statements regarding an electronic theodolite fitted with a graduated circle encoded in an incremental system is **INCORRECT**?

- Ans** ☒ 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 fixed and it does not move.
 ☒ 4. The graduated circle is made of glass.

Question ID : 264330160629

Option 1 ID : 264330629848

Option 2 ID : 264330629849

Option 3 ID : 264330629850

Option 4 ID : 264330629847

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

Chosen Option : --

Q.11 Direct stress due to self-weight and extreme bending stress at the base of a masonry dam is given as 22 N/mm^2 and 44 N/mm^2 , respectively. Determine the value of extreme resultant stresses.

- Ans
- ☐ 1. Max. stress = 66 N/mm^2 , Min. stress = 22 N/mm^2
 - ☐ 2. Max. stress = 44 N/mm^2 , Min. stress = 22 N/mm^2
 - ☐ 3. Max. stress = 44 N/mm^2 , Min. stress = -66 N/mm^2
 - ☒ 4. Max. stress = 66 N/mm^2 , Min. stress = -22 N/mm^2

Question ID : **264330159398**

Option 1 ID : **264330624954**

Option 2 ID : **264330624951**

Option 3 ID : **264330624952**

Option 4 ID : **264330624953**

Status : **Marked For Review**

Chosen Option : 1

Q.12 Which of the following statements is **INCORRECT** about the grading limits of fine aggregates?

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

Question ID : **264330157674**

Option 1 ID : **264330618058**

Option 2 ID : **264330618057**

Option 3 ID : **264330618056**

Option 4 ID : **264330618055**

Status : **Answered**

Chosen Option : 2

Q.13 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. 8kW
 - ☐ 3. 4 kW
 - ☒ 4. 16kW

Question ID : 264330158967

Option 1 ID : 264330623230

Option 2 ID : 264330623228

Option 3 ID : 264330623229

Option 4 ID : 264330623227

Status : Not Answered

Chosen Option : --

Q.14 The density of mercury used in shrinkage limit apparatus is _____ (approx).

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

Question ID : 26433096823

Option 1 ID : 264330380031

Option 2 ID : 264330380029

Option 3 ID : 264330380030

Option 4 ID : 264330380032

Status : Answered

Chosen Option : 2

Q.15 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?

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

Question ID : 264330157865

Option 1 ID : 264330618821

Option 2 ID : 264330618819

Option 3 ID : 264330618820

Option 4 ID : 264330618822

Status : Answered

Chosen Option : 2

Q.16 By which method is valuation carried out to be initial or prime cost less depreciation?

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

Question ID : 264330159850

Option 1 ID : 264330626749

Option 2 ID : 264330626748

Option 3 ID : 264330626750

Option 4 ID : 264330626747

Status : Marked For Review

Chosen Option : 1

Q.17 Blaine air permeability apparatus is used to determine the _____ of Portland cement.

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

Question ID : 264330157845

Option 1 ID : 264330618740

Option 2 ID : 264330618742

Option 3 ID : 264330618739

Option 4 ID : 264330618741

Status : **Answered**

Chosen Option : 1

Q.18 The system of signal in which clusters of signals along a route display an opposite indication at the same moment is called _____.

- Ans** ☐ 1. flexible progressive system
 ☐ 2. simple progressive system
 ☐ 3. simultaneous system
 ☒ 4. alternate system

Question ID : 264330157186

Option 1 ID : 264330616110

Option 2 ID : 264330616109

Option 3 ID : 264330616107

Option 4 ID : 264330616108

Status : **Not Answered**

Chosen Option : --

Q.19 As per the Indian Railways, the gauge is defined as:

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

Question ID : 26433086540

Option 1 ID : 264330339802

Option 2 ID : 264330339803

Option 3 ID : 264330339804

Option 4 ID : 264330339801

Status : Answered

Chosen Option : 4

Q.20 Identify water-borne diseases from the following.

I. Typhoid

II. Hepatitis

III. Malaria

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

Question ID : 264330160740

Option 1 ID : 264330630294

Option 2 ID : 264330630293

Option 3 ID : 264330630291

Option 4 ID : 264330630292

Status : Answered

Chosen Option : 4

Q.21 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. Confined flow pumping test
 - ☒ 4. Falling head test

Question ID : 26433099690

Option 1 ID : 264330391357

Option 2 ID : 264330391360

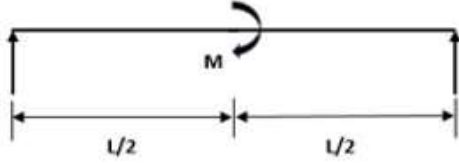
Option 3 ID : 264330391359

Option 4 ID : 264330391358

Status : Answered

Chosen Option : 1

Q.22 Find the value of shear force at one-fourth of the given span from the left support as shown in the below diagram.



Ans

✗ 1. $\frac{M}{L}$ (+ ve)

✗ 2. $\frac{M}{2L}$ (- ve)

✗ 3. $\frac{M}{2L}$ (+ ve)

✓ 4. $\frac{M}{L}$ (- ve)

Question ID : 26433099380

Option 1 ID : 264330390136

Option 2 ID : 264330390133

Option 3 ID : 264330390134

Option 4 ID : 264330390135

Status : Answered

Chosen Option : 4

Q.23 The constituents of paint in suspension are held by which vehicle that also help in its evenly distribution?

Ans ☒ 1. Binder

☐ 2. Base

☐ 3. Plaster of Paris

☐ 4. Pigments

Question ID : 26433099382

Option 1 ID : 264330390144

Option 2 ID : 264330390141

Option 3 ID : 264330390142

Option 4 ID : 264330390143

Status : **Answered**

Chosen Option : 2

Q.24 Which of the following stresses is mainly responsible for the stability of a masonry chimney?

Ans ☐ 1. Shear stress due to wind pressure

☐ 2. Bending stress due to horizontal wind pressure

☒ 3. Direct stress due to self-weight of the chimney

☐ 4. Tensile stresses due to earthquake

Question ID : 26433088039

Option 1 ID : 264330345771

Option 2 ID : 264330345770

Option 3 ID : 264330345769

Option 4 ID : 264330345772

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

Chosen Option : --

Q.25 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 : 3

Q.26 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. specific gravity
 - ☒ 4. maximum dry density

Question ID : 26433096892

Option 1 ID : 264330380308

Option 2 ID : 264330380307

Option 3 ID : 264330380305

Option 4 ID : 264330380306

Status : Answered

Chosen Option : 4

Q.27 Which of the following is an example of sedimentary rock?

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

Question ID : 264330157672

Option 1 ID : 264330618049

Option 2 ID : 264330618047

Option 3 ID : 264330618050

Option 4 ID : 264330618048

Status : Answered

Chosen Option : 2

Q.28 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. 60 m
 2. 48 m
 3. 50 m
 4. 56 m

Question ID : 264330158949

Option 1 ID : 264330623157

Option 2 ID : 264330623158

Option 3 ID : 264330623155

Option 4 ID : 264330623156

Status : Answered

Chosen Option : 3

Q.29 In soil mechanics, what is Darcy constant?

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

Question ID : 264330160352

Option 1 ID : 264330628748

Option 2 ID : 264330628749

Option 3 ID : 264330628750

Option 4 ID : 264330628747

Status : Answered

Chosen Option : 4

Q.30 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 : Not Attempted and
Marked For Review

Chosen Option : --

Q.31 Shelby tube is one of the most widely used devices for:

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

Question ID : **26433096816**

Option 1 ID : **264330380003**

Option 2 ID : **264330380001**

Option 3 ID : **264330380002**

Option 4 ID : **264330380004**

Status : **Not Answered**

Chosen Option : --

Q.32 Which of the following methods can be used to lower the water table by using gravity flow?

- Ans**
- ☐ 1. Dewatering
 - ☐ 2. Water suction method
 - ☒ 3. Well point system
 - ☐ 4. Dehydration

Question ID : **264330158954**

Option 1 ID : **264330623176**

Option 2 ID : **264330623177**

Option 3 ID : **264330623175**

Option 4 ID : **264330623178**

Status : **Answered**

Chosen Option : 1

Q.33 If the 30th highest hourly volume is adopted for design, there will be congestion on road for only:

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

Question ID : 26433086553

Option 1 ID : 264330339855

Option 2 ID : 264330339854

Option 3 ID : 264330339856

Option 4 ID : 264330339853

Status : Answered

Chosen Option : 1

Q.34 Salvage value is the _____ of an asset after all depreciation has been fully expensed.

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

Question ID : 264330159853

Option 1 ID : 264330626762

Option 2 ID : 264330626759

Option 3 ID : 264330626761

Option 4 ID : 264330626760

Status : Answered

Chosen Option : 4

Q.35 In the case of a _____, the brickwork is not measured in cubic metres.

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

Question ID : 264330159811

Option 1 ID : 264330626594

Option 2 ID : 264330626593

Option 3 ID : 264330626591

Option 4 ID : 264330626592

Status : Answered

Chosen Option : 4

Q.36 Level surface in terms of leveling is a _____.

- Ans**
- ☒ 1. curved surface
 - ☒ 2. datum surface
 - ☒ 3. vertical surface
 - ☒ 4. horizontal surface

Question ID : 264330100670

Option 1 ID : 264330395225

Option 2 ID : 264330395228

Option 3 ID : 264330395227

Option 4 ID : 264330395226

Status : Answered

Chosen Option : 1

Q.37 As per IS 2470 codes, which of the following should be the minimum width of a septic tank for five users?

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

Question ID : 264330159820

Option 1 ID : 264330626630

Option 2 ID : 264330626627

Option 3 ID : 264330626629

Option 4 ID : 264330626628

Status : **Not Answered**

Chosen Option : --

Q.38 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. live storage
☒ 2. dead storage
☐ 3. surcharge storage
☐ 4. valley storage

Question ID : 264330158554

Option 1 ID : 264330621575

Option 2 ID : 264330621576

Option 3 ID : 264330621578

Option 4 ID : 264330621577

Status : **Answered**

Chosen Option : 2

Q.39 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-2, B-1, C-3

✗ 3. A-1, B-3, C-2

✗ 4. A-1, B-2, C-3

Question ID : 264330158604

Option 1 ID : 264330621775

Option 2 ID : 264330621777

Option 3 ID : 264330621776

Option 4 ID : 264330621778

Status : Answered

Chosen Option : 2

Q.40 The horizontal platform that is used for connecting two flights of a staircase is called _____.

Ans ✓ 1. landing

✗ 2. thread

✗ 3. stringer

✗ 4. connector

Question ID : 264330100813

Option 1 ID : 264330395799

Option 2 ID : 264330395797

Option 3 ID : 264330395800

Option 4 ID : 264330395798

Status : Not Answered

Chosen Option : --

Q.41 The difference between the total head line and the hydraulic grade line in an open-channel flow is called:

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

Question ID : 264330158936

Option 1 ID : 264330623106

Option 2 ID : 264330623104

Option 3 ID : 264330623103

Option 4 ID : 264330623105

Status : Answered

Chosen Option : 4

Q.42 Pot and Bow Sleepers are which of the following type of sleepers?

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

Question ID : 264330157154

Option 1 ID : 264330615979

Option 2 ID : 264330615982

Option 3 ID : 264330615981

Option 4 ID : 264330615980

Status : Answered

Chosen Option : 3

Q.43 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. 150 mm
 - ☒ 3. 100 mm
 - ☒ 4. 125 mm

Question ID : 26433099434

Option 1 ID : 264330390351

Option 2 ID : 264330390349

Option 3 ID : 264330390350

Option 4 ID : 264330390352

Status : **Answered**

Chosen Option : 2

Q.44 In India, the authority to issue the environmental no objection certificate to start an industry lies with the _____.

- Ans**
- ☒ 1. Central Government
 - ☒ 2. Forest Department
 - ☒ 3. State Government
 - ☒ 4. Pollution Control Board

Question ID : 264330160681

Option 1 ID : 264330630058

Option 2 ID : 264330630057

Option 3 ID : 264330630055

Option 4 ID : 264330630056

Status : **Marked For Review**

Chosen Option : 4

Q.45 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. end bearing piles

✗ 2. screw piles

✗ 3. tension piles

✗ 4. friction piles

Question ID : 26433099388

Option 1 ID : 264330390167

Option 2 ID : 264330390168

Option 3 ID : 264330390165

Option 4 ID : 264330390166

Status : Answered

Chosen Option : 1

Q.46 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

Ans ✗ 1. Only (i)

✓ 2. (i), (ii), and (iii)

✗ 3. Both (ii) and (iii)

✗ 4. Both (i) and (ii)

Question ID : 264330100170

Option 1 ID : 264330393253

Option 2 ID : 264330393255

Option 3 ID : 264330393256

Option 4 ID : 264330393254

Status : Answered

Chosen Option : 4

Q.47 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. A, B, C, D

 2. C, A, D, B

 3. C, D, B, A

 4. A, D, C, B

Question ID : **26433095843**

Option 1 ID : **264330376141**

Option 2 ID : **264330376144**

Option 3 ID : **264330376142**

Option 4 ID : **264330376143**

Status : **Marked For Review**


Chosen Option : **2**


Q.48 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. Only (i) and (ii)

 2. Only (i)

 3. Only (i), (ii) and (iii)

 4. (i), (ii), (iii), (iv)

Question ID : **26433088072**

Option 1 ID : **264330345903**

Option 2 ID : **264330345904**

Option 3 ID : **264330345901**

Option 4 ID : **264330345902**

Status : **Answered**

Chosen Option : **3**

Q.49 In India, stones with a specific gravity less than _____ are considered unsuitable for buildings.

Ans ☒ 1. 2.4

☐ 2. 3.6

☐ 3. 3.2

☐ 4. 2.8

Question ID : 264330157875

Option 1 ID : 264330618859

Option 2 ID : 264330618862

Option 3 ID : 264330618861

Option 4 ID : 264330618860

Status : Answered

Chosen Option : 1

Q.50 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.

Ans ☐ 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

Q.51 A road pavement should have which of the following qualities?

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

Question ID : **264330157160**

Option 1 ID : **264330616006**

Option 2 ID : **264330616003**





Option 3 ID : **264330616005**

Option 4 ID : **264330616004**

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

Chosen Option : --

Q.52 Which of the following sections is ideally suited for a compression member?

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

Question ID : **264330100831**

Option 1 ID : **264330395869**

Option 2 ID : **264330395870**

Option 3 ID : **264330395871**

Option 4 ID : **264330395872**

Status : **Not Answered**

Chosen Option : --

Q.53 Dupit's equation is expressed for series-connected pipes as:
(where L₁, L₂, and L₃ are lengths of pipe 1, 2 and 3, d₁, d₂, d₃ are diameter of pipe 1, 2 and 3, L is equivalent length of pipe are D is equivalent diameter of pipe)

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

Question ID : 264330158934

Option 1 ID : 264330623096

Option 2 ID : 264330623097

Option 3 ID : 264330623095

Option 4 ID : 264330623098

Status : Answered

Chosen Option : 4

Q.54 The processes used for the manufacture of cement can be classified into _____ types.

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

Question ID : 264330157840

Option 1 ID : 264330618720

Option 2 ID : 264330618722

Option 3 ID : 264330618721

Option 4 ID : 264330618719

Status : Answered

Chosen Option : 4

Q.55 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. 10 cm
 - ☐ 2. 100 cm
 - ☒ 3. 1 cm
 - ☐ 4. 0.1 cm

Question ID : 264330159334
Option 1 ID : 264330624697
Option 2 ID : 264330624698
Option 3 ID : 264330624696
Option 4 ID : 264330624695
Status : **Not Answered**
Chosen Option : --

Q.56 As per IS 1203-1978 in the penetration test of bitumen, a standard tapered needle is used to calculate:

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

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

Q.57 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.58 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. ii and iii
 - ☒ 2. i and iii
 - ☒ 3. i and iv
 - ☒ 4. ii and iv

Question ID : 264330100660

Option 1 ID : 264330395185

Option 2 ID : 264330395188

Option 3 ID : 264330395186

Option 4 ID : 264330395187

Status : **Not Answered**

Chosen Option : --

Q.59 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 _____.

Ans ☒ 1. 60 mm

☐ 2. 65 mm

☐ 3. 50 mm

☐ 4. 55 mm

Question ID : 264330159679

Option 1 ID : 264330626077

Option 2 ID : 264330626078

Option 3 ID : 264330626075

Option 4 ID : 264330626076

Status : **Answered**

Chosen Option : 3

Q.60 Which of the following is NOT a natural source of air pollution?

Ans ☐ 1. Wildfire by atmospheric temperature change

☐ 2. Volcanic gases

☒ 3. Combustion of fossil fuels

☐ 4. Pollens

Question ID : 264330160686

Option 1 ID : 264330630077

Option 2 ID : 264330630075

Option 3 ID : 264330630078

Option 4 ID : 264330630076

Status : **Answered**

Chosen Option : 3

Q.61 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. Wedging

☐ 2. Blasting

☐ 3. Excavating

☐ 4. Heating

Question ID : 264330157870

Option 1 ID : 264330618842

Option 2 ID : 264330618840

Option 3 ID : 264330618839

Option 4 ID : 264330618841

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

Chosen Option : --

Q.62 DDT belongs to the category of _____.

Ans ☐ 1. secondary air pollutants

☐ 2. non-persistent pollutants

☐ 3. primary air pollutants

☒ 4. persistent pollutants

Question ID : 264330160690

Option 1 ID : 264330630094

Option 2 ID : 264330630093

Option 3 ID : 264330630092

Option 4 ID : 264330630091

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

Chosen Option : --

Q.63 The foundation of the structure is designed for:

- Ans ☐ 1. compression failure of soils
☐ 2. tension failure of soils
☐ 3. bending failure of soils
☒ 4. shear failure of soils

Question ID : 264330159626

Option 1 ID : 264330625864

Option 2 ID : 264330625865

Option 3 ID : 264330625866

Option 4 ID : 264330625863

Status : Answered

Chosen Option : 4

Q.64 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. -15°
☐ 2. $-4^{\circ} 20'$
☐ 3. $4^{\circ} 20'$
☒ 4. 15°

Question ID : 264330159320

Option 1 ID : 264330624642

Option 2 ID : 264330624641

Option 3 ID : 264330624639

Option 4 ID : 264330624640

Status : Answered

Chosen Option : 2

Q.65 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 180°
 - ☒ 2. the sum of angles must be equal to 360°
 - ☐ 3. the sum of angles must be equal to $(2n - 4)^\circ$
 - ☐ 4. the sum of angles must be equal to $(2n + 4)^\circ$

Question ID : **264330122654**

Option 1 ID : **264330480730**

Option 2 ID : **264330480729**

Option 3 ID : **264330480727**

Option 4 ID : **264330480728**

Status : **Answered**

Chosen Option : **2**

Q.66 For which of the following applications in levelling is an inverted staff reading most suitable?

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

Question ID : **264330160607**

Option 1 ID : **264330629759**

Option 2 ID : **264330629761**

Option 3 ID : **264330629762**

Option 4 ID : **264330629760**

Status : **Answered**

Chosen Option : **2**

Q.67 Silt ejector is provided _____.

- Ans**
- ☐ 1. in the river far off from the weir on the upstream side
 - ☐ 2. in the river adjacent to the head regulator
 - ☐ 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 : 264330390436

Option 2 ID : 264330390435

Option 3 ID : 264330390434

Option 4 ID : 264330390433

Status : Answered

Chosen Option : 4

Q.68 What should be the unit of measurement for earthwork in excavation in any type of soil and honeycomb brick work?

- Ans**
- ☐ 1. m and m²
 - ☐ 2. m² and m²
 - ☐ 3. m³ and m
 - ☒ 4. m³ and m²

Question ID : 264330159840

Option 1 ID : 264330626709

Option 2 ID : 264330626707

Option 3 ID : 264330626708

Option 4 ID : 264330626710

Status : Answered

Chosen Option : 4

Q.69 Which of the following factors does NOT contribute to soil/land pollution?

Ans ☒ 1. Eutrophication

☐ 2. Agricultural activities

☐ 3. Mining wastes

☐ 4. Domestic wastes

Question ID : 264330160696

Option 1 ID : 264330630118

Option 2 ID : 264330630115

Option 3 ID : 264330630117

Option 4 ID : 264330630116

Status : Answered

Chosen Option : 1

Q.70 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 : 3

Q.71 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.

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

Question ID : 264330158592

Option 1 ID : 264330621727

Option 2 ID : 264330621730

Option 3 ID : 264330621729

Option 4 ID : 264330621728

Status : **Answered**

Chosen Option : 3

Q.72 As per IS 2386 (1963), the aggregate crushing value is calculated by using a single sized aggregate, which is:

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

Question ID : 264330100155

Option 1 ID : 264330393196

Option 2 ID : 264330393194

Option 3 ID : 264330393193

Option 4 ID : 264330393195

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

Chosen Option : --

Q.73 The ratio N_c/N_q for a purely cohesive soil is _____.
(N_c and N_q are Terzaghi bearing capacity factors)

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

Question ID : 264330160334

Option 1 ID : 264330628678

Option 2 ID : 264330628675

Option 3 ID : 264330628676

Option 4 ID : 264330628677

Status : Answered

Chosen Option : 3

Q.74 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.

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

Question ID : 26433099447

Option 1 ID : 264330390402

Option 2 ID : 264330390403

Option 3 ID : 264330390401

Option 4 ID : 264330390404

Status : Answered

Chosen Option : 2

Q.75 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.

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

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

☒ 3. Both statement 1 and statement 2 are true, but statement 2 is not the correct explanation of statement 1

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

Question ID : 26433099459

Option 1 ID : 264330390452

Option 2 ID : 264330390449

Option 3 ID : 264330390450

Option 4 ID : 264330390451

Status : Answered

Chosen Option : 4

Q.76 Which of the following methods are not used for the analysis and design of watertanks?

Ans ☒ 1. Rankine method

☒ 2. BIS code method

☒ 3. Carpenter's simplified method

☒ 4. Reissner's method

Question ID : 26433099433

Option 1 ID : 264330390348

Option 2 ID : 264330390347

Option 3 ID : 264330390346

Option 4 ID : 264330390345

Status : Not Answered

Chosen Option : --

Q.77 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?

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

Question ID : 264330159681

Option 1 ID : 264330626086

Option 2 ID : 264330626085

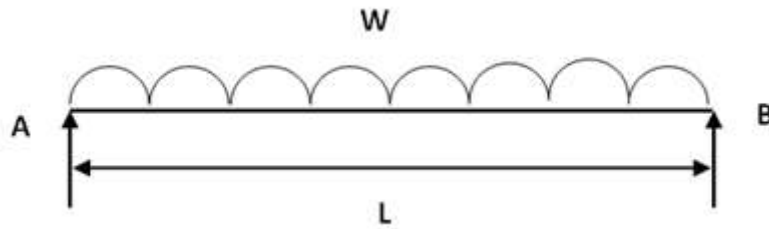
Option 3 ID : 264330626084

Option 4 ID : 264330626083

Status : Answered

Chosen Option : 4

Q.78 Find the bending moment at a distance $L/4$ from end A of the simply supported beam as shown below.



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

Question ID : 264330159411

Option 1 ID : 264330625005

Option 2 ID : 264330625004

Option 3 ID : 264330625003

Option 4 ID : 264330625006

Status : Answered

Chosen Option : 4

Q.79 Which of the following is a type of pump based on the type of power?

Ans ☒ 1. Steam engine pump

☐ 2. Centrifugal pump

☐ 3. High-lift pump

☐ 4. Low-lift pump

Question ID : 264330158973

Option 1 ID : 264330623254

Option 2 ID : 264330623253

Option 3 ID : 264330623252

Option 4 ID : 264330623251

Status : Answered

Chosen Option : 3

Q.80 Silt content in fine aggregates leads to _____.

Ans ☐ 1. decreased permeability

☐ 2. excellent bond characteristics

☒ 3. increased shrinkage

☐ 4. increased durability

Question ID : 264330157675

Option 1 ID : 264330618061

Option 2 ID : 264330618060

Option 3 ID : 264330618059

Option 4 ID : 264330618062

Status : Answered

Chosen Option : 1

Q.81 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. hydraulics
 - ☐ 3. environment
 - ☒ 4. hydrology

Question ID : 26433095840

Option 1 ID : 264330376129

Option 2 ID : 264330376131

Option 3 ID : 264330376130

Option 4 ID : 264330376132

Status : Answered

Chosen Option : 4

Q.82 The absence of a bond between reinforcing steel and surrounding concrete in a RCC beam will result in:

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

Question ID : 264330159667

Option 1 ID : 264330626030

Option 2 ID : 264330626027

Option 3 ID : 264330626028

Option 4 ID : 264330626029

Status : Answered

Chosen Option : 4

Q.83 Which material is used for shuttering equipment, that require very little maintenance and can be used for years?

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

Question ID : 26433099385

Option 1 ID : 264330390156

Option 2 ID : 264330390154

Option 3 ID : 264330390153

Option 4 ID : 264330390155

Status : **Marked For Review**

Chosen Option : 2

Q.84 Hook length for a straight bar in terms of the diameter of bar, d is:

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

Question ID : 26433099328

Option 1 ID : 264330389926

Option 2 ID : 264330389925

Option 3 ID : 264330389927

Option 4 ID : 264330389928

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

Chosen Option : --

Q.85 Pavement blocks are mostly recommended during construction due to:

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

Question ID : 26433099394

Option 1 ID : 264330390190

Option 2 ID : 264330390191

Option 3 ID : 264330390192

Option 4 ID : 264330390189

Status : Answered

Chosen Option : 1

Q.86 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.

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

Question ID : 264330158551

Option 1 ID : 264330621563

Option 2 ID : 264330621564

Option 3 ID : 264330621566

Option 4 ID : 264330621565

Status : Answered

Chosen Option : 1

Q.87 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 $\frac{s^2 t}{4g}$
- ✗ 2. decreased by an amount equal to $\frac{s^2 t}{8g}$
- ✗ 3. decreased by an amount equal to $\frac{s^2 t}{4g}$
- ✗ 4. increased by an amount equal to $\frac{s^2 t}{8g}$

Question ID : 264330159700

Option 1 ID : 264330626161

Option 2 ID : 264330626159

Option 3 ID : 264330626162

Option 4 ID : 264330626160

Status : **Not Answered**

Chosen Option : --

Q.88 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. Tracing of contour gradient method and the equal depth contours method
 - ✓ 3. Method of cross-section and the tracing of contour gradient method
 - ✗ 4. Tracing of contour gradient method and the method of horizontal plane

Question ID : 264330160601

Option 1 ID : 264330629737

Option 2 ID : 264330629736

Option 3 ID : 264330629735

Option 4 ID : 264330629738

Status : **Not Answered**

Chosen Option : --

Q.89 Soil with particle size less than _____ mm is called fine grained soil (silt or clay).

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

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

Q.90 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 iv
 - ☐ 4. Only i

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

Q.91 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. $C_d = C_v + C_c$
 - ☒ 2. $C_d = C_v/C_c$
 - ☒ 3. $C_d = C_v \times C_c$
 - ☒ 4. $C_d = C_c/C_v$

Question ID : 264330158933

Option 1 ID : 264330623093

Option 2 ID : 264330623091

Option 3 ID : 264330623092

Option 4 ID : 264330623094

Status : Answered

Chosen Option : 3

Q.92 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 ozone
 - ☒ 3. Treatment with silica
 - ☒ 4. Treatment with iodine and bromine

Question ID : 26433095961

Option 1 ID : 264330376613

Option 2 ID : 264330376615

Option 3 ID : 264330376614

Option 4 ID : 264330376616

Status : Answered

Chosen Option : 3

Q.93 In a fillet welded connection of steel structures, the sides containing the right angle of the fillet are called ____.

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

Question ID : 264330159698

Option 1 ID : 264330626152

Option 2 ID : 264330626151

Option 3 ID : 264330626153

Option 4 ID : 264330626154

Status : **Answered**

Chosen Option : 1

Q.94 As per components of the sewerage system, what is the meaning of 'outfall sewer'?

- Ans ☐ 1. A sewer which transports sewage from a lateral sewer to a branch sewer
☐ 2. A sewer which transports sewage from a branch sewer to the main sewer
☒ 3. A sewer which transports sewage from a treatment plant to the final disposal point
☐ 4. A sewer which transports sewage from a house to lateral sewers

Question ID : 26433099415

Option 1 ID : 264330390275

Option 2 ID : 264330390276

Option 3 ID : 264330390274

Option 4 ID : 264330390273

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

Chosen Option : --

Q.95 Which of the following is just above the blank pipe in the tube well?

Ans ☒ 1. Main tube-well pipe

☒ 2. Fulcrum

☒ 3. Strainer

☒ 4. Barrel

Question ID : 264330159828

Option 1 ID : 264330626661

Option 2 ID : 264330626660

Option 3 ID : 264330626662

Option 4 ID : 264330626659

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

Chosen Option : --

Q.96 What is the value of slope on the inside face of the flange for all the standard I-sections and channels sections of steel?

Ans ☒ 1. $16\frac{1}{2}\%$

☒ 2. $16\frac{2}{3}\%$

☒ 3. $16\frac{4}{5}\%$

☒ 4. $16\frac{3}{4}\%$

Question ID : 264330159692

Option 1 ID : 264330626127

Option 2 ID : 264330626128

Option 3 ID : 264330626130

Option 4 ID : 264330626129

Status : **Not Answered**

Chosen Option : --

Q.97 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. 60

☐ 2. 10

☐ 3. 25

☐ 4. 40

Question ID : 264330100800

Option 1 ID : 264330395747

Option 2 ID : 264330395748

Option 3 ID : 264330395745

Option 4 ID : 264330395746

Status : Answered

Chosen Option : 1

Q.98 _____ 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.99 The true reduced bearing is N 5° 0' W and the magnetic declination is 2° E. Find the true bearing in the whole circle bearing system.

Ans  1. 355°

 2. 5°

 3. 353°

 4. 357°

Question ID : 264330122652

Option 1 ID : 264330480720

Option 2 ID : 264330480719

Option 3 ID : 264330480722

Option 4 ID : 264330480721

Status : **Answered**

Chosen Option : 1

Q.100 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. 189° 10'

 2. 134° 10'

 3. 188° 10'

 4. 135° 10'

Question ID : 264330159318

Option 1 ID : 264330624633

Option 2 ID : 264330624634

Option 3 ID : 264330624631

Option 4 ID : 264330624632

Status : **Not Answered**

Chosen Option : --