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(Civil) Paper-I
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Junior Engineer Civil Mechanical and Electrical Examination 2023 Paper I

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

Section : **General Intelligence and Reasoning**

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

Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

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Question ID : **26433074802**
Option 1 ID : **264330293299**
Option 2 ID : **264330293297**
Option 3 ID : **264330293298**
Option 4 ID : **264330293296**
Status : **Answered**
Chosen Option : **4**

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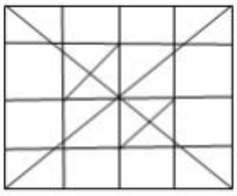
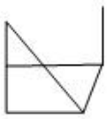
Q.2 **Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).**

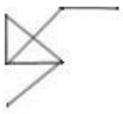


Ans

✗ 1.

✗ 2. 

✗ 3.

✓ 4. 

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

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

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

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

Ans
✗ 1. Only I follows

✓ 2. Only I and III follow

✗ 3. Only II and III follow

✗ 4. Only II follows

Question ID : **264330144507**
Option 1 ID : **264330566283**
Option 2 ID : **264330566284**
Option 3 ID : **264330566286**
Option 4 ID : **264330566285**
Status : **Answered**
Chosen Option : **4**

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Q.4 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.
1. Tissue
2. Organ
3. Nucleus
4. Organ system
5. Cells

Ans
✗ 1. 5 3 1 2 4
✓ 2. 3 5 1 2 4
✗ 3. 5 1 3 2 4
✗ 4. 3 1 5 2 4

Question ID : **264330131592**
Option 1 ID : **264330515469**
Option 2 ID : **264330515467**
Option 3 ID : **264330515468**
Option 4 ID : **264330515470**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(697, 13, 866)

(15, 91, 8296)

Ans
✗ 1. (832, 8, 887)
✗ 2. (747, 25, 1423)
✓ 3. (541, 14, 737)
✗ 4. (651, 16, 940)

Question ID : **264330144428**
Option 1 ID : **264330565967**
Option 2 ID : **264330565970**
Option 3 ID : **264330565968**
Option 4 ID : **264330565969**
Status : **Answered**
Chosen Option : **3**

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Q.6 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

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

(19, 53, 215)

(22, 15, 110)

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

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

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

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

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

Q.8 Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

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

Ans
✓ 1. FKP
✗ 2. FLP
✗ 3. FJQ
✗ 4. GKP

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

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Q.9 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.
1. Horse
2. Monkey
3. Elephant
4. Grasshopper
5. Ant

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

Question ID : **26433074672**
Option 1 ID : **264330292778**
Option 2 ID : **264330292776**
Option 3 ID : **264330292779**
Option 4 ID : **264330292777**
Status : **Answered**
Chosen Option : **2**

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

Ans
✓ 1. JPGDV
✗ 2. KPGDU
✗ 3. KPHDW
✗ 4. JQHDV

Question ID : **264330133212**
Option 1 ID : **264330521896**
Option 2 ID : **264330521897**
Option 3 ID : **264330521898**
Option 4 ID : **264330521895**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term?

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

Ans
✓ 1. 48
✗ 2. 24
✗ 3. 25
✗ 4. 36

Question ID : **264330144872**
Option 1 ID : **264330567746**
Option 2 ID : **264330567745**
Option 3 ID : **264330567743**
Option 4 ID : **264330567744**
Status : **Answered**
Chosen Option : **1**

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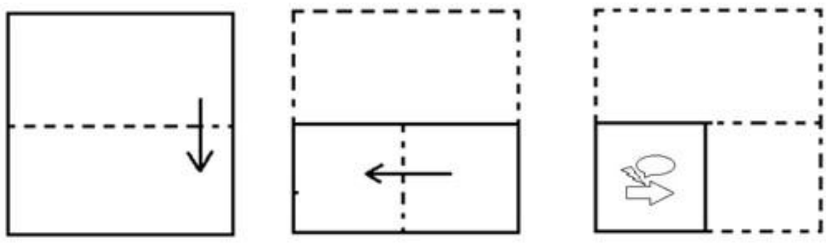
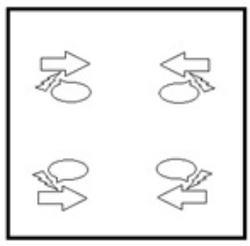
Q.12 **The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.**

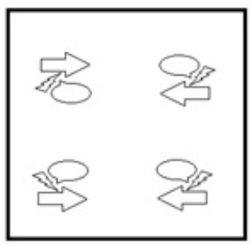


Ans

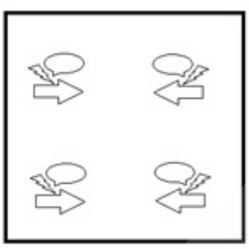
✔ 1.



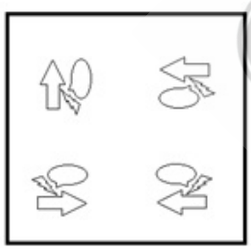
✘ 2.



✘ 3.



✘ 4.



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Question ID : **264330103214**
Option 1 ID : **264330405163**
Option 2 ID : **264330405161**
Option 3 ID : **264330405162**
Option 4 ID : **264330405164**
Status : **Answered**
Chosen Option : **1**

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

Ans
✗ 1. Sidhu
✓ 2. Boycott
✗ 3. Sunny
✗ 4. Harsha

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

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

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

Ans
✗ 1. 344
✓ 2. 342
✗ 3. 324
✗ 4. 322

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

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

SXT, PVU, MTV, JRW, ?

Ans
✗ 1. HPZ
✗ 2. GQY
✗ 3. GOZ
✓ 4. GPX

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

Q.17 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Vacuum
2. Vague
3. Vacancy
4. Valley
5. Vaccinate

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

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

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

UK : POUND

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

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

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

Ans
✗ 1. 32
✗ 2. 28
✓ 3. 18
✗ 4. 24

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

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

Ans
✗ 1. 64
✗ 2. 66
✓ 3. 68
✗ 4. 72

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

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

(5, 3, 6)

(7, 2, 17)

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

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

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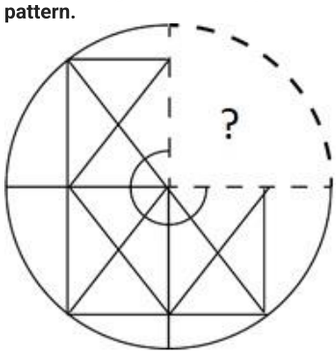
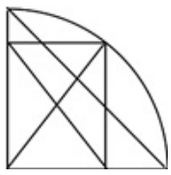
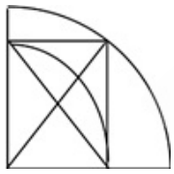
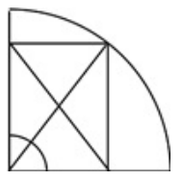
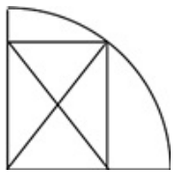
Q.22 **A woman said to a man, "Your paternal grandfather is the husband of the mother-in-law of my brother's wife". How is that man related to that woman?**

Ans
✔ 1. Brother's son
✘ 2. Son
✘ 3. Father
✘ 4. Brother

Question ID : **26433086252**
Option 1 ID : **264330338702**
Option 2 ID : **264330338704**
Option 3 ID : **264330338701**
Option 4 ID : **264330338703**
Status : **Answered**
Chosen Option : **1**

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



Ans
✘ 1.

✘ 2.

✔ 3.

✘ 4.


Question ID : **26433092788**
Option 1 ID : **264330364441**
Option 2 ID : **264330364443**
Option 3 ID : **264330364444**
Option 4 ID : **264330364442**
Status : **Answered**
Chosen Option : **3**

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

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

Ans
✔ 1. A O E U A I E
✘ 2. A I E O O U I
✘ 3. O A E U I A E
✘ 4. O O A I O E I

Question ID : **264330144496**
Option 1 ID : **264330566242**
Option 2 ID : **264330566239**
Option 3 ID : **264330566241**
Option 4 ID : **264330566240**
Status : **Answered**
Chosen Option : **1**

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

IYMV, JXNU, LVPS, ? , SOWL

Ans
✘ 1. POSO
✘ 2. OPPS
✘ 3. OSPS
✔ 4. OSSP

Question ID : **264330144498**
Option 1 ID : **264330566249**
Option 2 ID : **264330566250**
Option 3 ID : **264330566248**
Option 4 ID : **264330566247**
Status : **Answered**
Chosen Option : **4**

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

Ans
✘ 1. 5 km, East
✘ 2. 4 km, North
✘ 3. 6 km, East
✔ 4. 7 km, North

Question ID : **264330122430**
Option 1 ID : **264330479843**
Option 2 ID : **264330479846**
Option 3 ID : **264330479844**
Option 4 ID : **264330479845**
Status : **Answered**
Chosen Option : **4**

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Q.27 **Select the option that is related to the third word in the same way as the second word is related to the first word.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Black : White :: Head : ?

Ans
✔ 1. Toe
✘ 2. Hand
✘ 3. Neck
✘ 4. Spine

Question ID : **26433076682**
Option 1 ID : **264330300792**
Option 2 ID : **264330300794**
Option 3 ID : **264330300793**
Option 4 ID : **264330300795**
Status : **Answered**
Chosen Option : **1**

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

Ans
✘ 1. 114
✘ 2. 102
✘ 3. 100
✔ 4. 108

Question ID : **264330144551**
Option 1 ID : **264330566461**
Option 2 ID : **264330566459**
Option 3 ID : **264330566462**
Option 4 ID : **264330566460**
Status : **Answered**
Chosen Option : **4**

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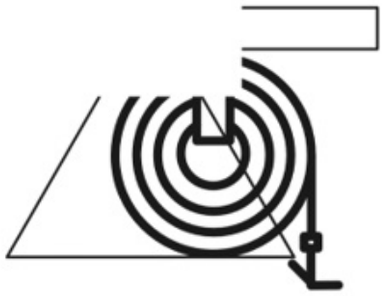
Q.29 Which of the following option figures will complete the pattern in the figure given below?



Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Question ID : **26433080584**
Option 1 ID : **264330316271**
Option 2 ID : **264330316272**
Option 3 ID : **264330316270**
Option 4 ID : **264330316269**
Status : **Answered**
Chosen Option : **3**

Q.30 Shruti departs from her home and walks 26 m towards the east. She then turns left and walks 18 m. She turns right and walks 34 m. She takes a right turn again and walks 30 m. She then takes a left turn and walks 10 m. She takes a final left turn and walks 12 m to stop at Point X. How far and in which direction is her home from Point X?
(Assume that all the turns are 90° turns only.)

Ans
✗ 1. 65 m east

✗ 2. 55 m east

✓ 3. 70 m west

✗ 4. 60 m west

Question ID : **264330131635**
Option 1 ID : **264330515642**
Option 2 ID : **264330515641**
Option 3 ID : **264330515639**
Option 4 ID : **264330515640**
Status : **Answered**
Chosen Option : **3**

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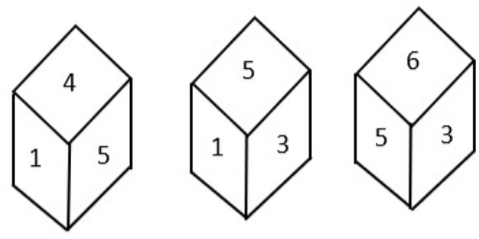
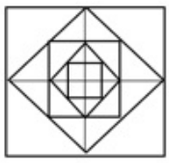
Q.31 Three different positions of the same dice are shown. Find the number on the face opposite the face having '2'.



Ans
- ✔ 1. 5
- ✘ 2. 6
- ✘ 3. 4
- ✘ 4. 1

Question ID : **26433068718**
Option 1 ID : **264330269386**
Option 2 ID : **264330269387**
Option 3 ID : **264330269385**
Option 4 ID : **264330269384**
Status : **Answered**
Chosen Option : **1**

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



Ans
- ✘ 1. 20
- ✘ 2. 16
- ✔ 3. 17
- ✘ 4. 18

Question ID : **264330144812**
Option 1 ID : **264330567505**
Option 2 ID : **264330567503**
Option 3 ID : **264330567504**
Option 4 ID : **264330567506**
Status : **Answered**
Chosen Option : **3**

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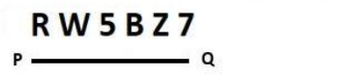
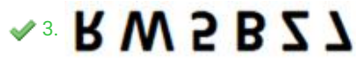
Q.33 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.



Ans

1.
2.
3. 
4.

Question ID : **26433056843**
Option 1 ID : **264330222357**
Option 2 ID : **264330222356**
Option 3 ID : **264330222359**
Option 4 ID : **264330222358**
Status : **Answered**
Chosen Option : **3**

Q.34 **Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.**
5 * 25 * 5 * 11 * 9 = 23

Ans

1. ÷ × + -
2. × ÷ - +
3. × ÷ + -
4. + - × ÷

Question ID : **26433068593**
Option 1 ID : **264330268886**
Option 2 ID : **264330268884**
Option 3 ID : **264330268887**
Option 4 ID : **264330268885**
Status : **Answered**
Chosen Option : **2**

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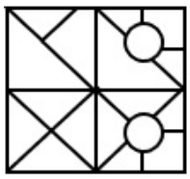
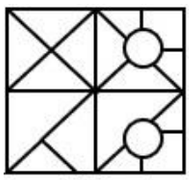
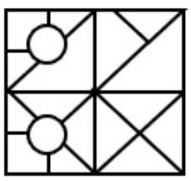
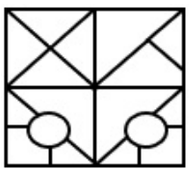
Q.35 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **264330129546**
Option 1 ID : **264330507550**
Option 2 ID : **264330507551**
Option 3 ID : **264330507553**
Option 4 ID : **264330507552**
Status : **Answered**
Chosen Option : **2**

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

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

Ans

✗ 1. 5, 1, 3, 2, 4

✗ 2. 5, 1, 4, 3, 2

✓ 3. 5, 1, 3, 4, 2

✗ 4. 5, 3, 1, 4, 2

Question ID : **264330129555**
Option 1 ID : **264330507588**
Option 2 ID : **264330507587**
Option 3 ID : **264330507589**
Option 4 ID : **264330507586**
Status : **Answered**
Chosen Option : **3**

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

HCYU, AKUO, TSQI, ?, FIIA

Ans
✗ 1. NAME
✗ 2. NBNF
✓ 3. MAME
✗ 4. MBMF

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

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

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

Ans
✗ 1. ONS
✗ 2. OMR
✗ 3. PNS
✓ 4. PMS

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

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

Ans
✗ 1. 124
✗ 2. 90
✗ 3. 69
✓ 4. 84

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

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Q.40 **Which two signs should be interchanged to make the given equation correct?**
11 × 12 ÷ 78 + 6 − 57 = 88

Ans
✔ 1. ÷ and +
✘ 2. × and +
✘ 3. ÷ and −
✘ 4. − and ×

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

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

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

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

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

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

Q.42 **Select the option that is related to the third word in the same way as the second word is related to the first word (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word).**
Dishonesty : Distrust :: Carelessness : _____

Ans
✘ 1. Gift
✘ 2. Habit
✘ 3. Emotion
✔ 4. Accident

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

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

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

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

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

Ans
✓ 1. 2
✗ 2. 0
✗ 3. 3
✗ 4. 1

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

Q.45 If '+' means '–', '–' means '×', '×' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?
13 – 182 × 14 ÷ 25 + 16 = ?

Ans
✗ 1. 155
✗ 2. 169
✓ 3. 178
✗ 4. 182

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

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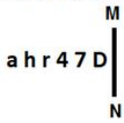
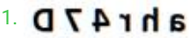
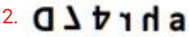
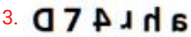
Q.46 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

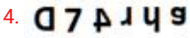


Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 

Question ID : **26433056963**
Option 1 ID : **264330222836**
Option 2 ID : **264330222838**
Option 3 ID : **264330222837**
Option 4 ID : **264330222839**
Status : **Answered**
Chosen Option : **1**

Q.47 **Select the number from among the given options that can replace the question mark (?) in the following series.**
97, 97, 82, 82, 67, 67, ?

Ans

✔ 1. 52

✘ 2. 54

✘ 3. 60

✘ 4. 56

Question ID : **26433095003**
Option 1 ID : **264330372833**
Option 2 ID : **264330372836**
Option 3 ID : **264330372834**
Option 4 ID : **264330372835**
Status : **Answered**
Chosen Option : **1**

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

Ans

✘ 1. DCFI

✔ 2. CDFI

✘ 3. CDIF

✘ 4. DCIF

Question ID : **26433089472**
Option 1 ID : **264330351392**
Option 2 ID : **264330351390**
Option 3 ID : **264330351391**
Option 4 ID : **264330351389**
Status : **Answered**
Chosen Option : **2**

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Q.49 Which two signs should be interchanged to make the given equation correct?
35 + 84 × 4 ÷ 3 – 11 = 87

Ans
✔ 1. ÷ and ×
✘ 2. × and +
✘ 3. ÷ and –
✘ 4. – and ×

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

Q.50 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
9 : 30 :: 11 : 36 :: 15 : ?

Ans
✘ 1. 40
✘ 2. 50
✔ 3. 48
✘ 4. 35

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

Section : **General Awareness**

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

Ans
✔ 1. Uttar Pradesh
✘ 2. Madya Pradesh
✘ 3. Odisha
✘ 4. Jharkhand

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

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

Ans
✔ 1. Furan
✘ 2. Acetic acid
✘ 3. Ethane
✘ 4. Methane

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

Q.3 **Select the correct statement.**

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

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

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

Ans
✘ 1. As
✘ 2. Cwg
✔ 3. BShw
✘ 4. Dfc

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

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

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

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

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

Ans
✗ 1. football
✗ 2. volleyball
✓ 3. cricket
✗ 4. tennis

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

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

Ans
✗ 1. Glandular muscles
✓ 2. Ciliary muscles
✗ 3. Smooth muscles
✗ 4. Cardiac

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

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

Ans
✗ 1. Madhya Pradesh
✗ 2. Andhra Pradesh
✓ 3. Odisha
✗ 4. Manipur

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

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

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

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

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Q.10 **Biodiversity is defined as a:**

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

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

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

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

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

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

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

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

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

Ans
✔ 1. Sitar
✘ 2. Surbahar
✘ 3. Violin
✘ 4. Mandolin

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

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

Ans
✘ 1. six weeks
✘ 2. six months
✔ 3. one year
✘ 4. three months

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

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

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

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

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

Ans
✗ 1. 2022
✗ 2. 2020
✗ 3. 2019
✓ 4. 2021

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

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

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

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

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

Ans
✓ 1. Ranikhet
✗ 2. Mussoorie
✗ 3. Haridwar
✗ 4. Dehradun

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

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Q.19 **Identify which of the following statements about Tata Iron and Steel plant are correct.**
1. It is lies very close to the Mumbai-Kolkata railway line and about 240 km away 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. 2 and 3 only
✘ 3. 1, 3 and 4 only
✘ 4. 1, 2 and 3 only

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

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

Ans
✔ 1. Gluten
✘ 2. Gelatine
✘ 3. Secalin
✘ 4. Hordein

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

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

Ans
✘ 1. Mandapa
✘ 2. Dravida
✔ 3. Nagara
✘ 4. Vimana

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

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

Ans
✗ 1. ₹2,000
✓ 2. ₹3,000
✗ 3. ₹5,000
✗ 4. ₹4,000

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

Q.23 Match the columns.

Names of Cyclones	Water body from where they developed
i. Cyclone Tauktae	a. Bay of Bengal
ii. Cyclone Yaas	b. Gulf of Mexico
iii. Hurricane Katrina	c. Arabian Sea
iv. Hurricane Ingrid	d. Atlantic Ocean

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

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

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

Ans
✗ 1. Bihar
✓ 2. Gujarat
✗ 3. Kerala
✗ 4. Tamil Nadu

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

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

Ans
✗ 1. Omar Assar

✗ 2. Kamlesh Navichandra Mehta

✗ 3. Sathiyan Gnanasekaran

✓ 4. Sharath Achanta Kamal

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

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

Ans
✗ 1. In case of Rajya Sabha i.e. 1/4 members, in case of Lok Sabha 1/3 members

✗ 2. In case of Lok Sabha 100 members, in case of Rajya Sabha 50 members

✓ 3. 1/4 members of the impeaching house either Lok Sabha or Rajya Sabha

✗ 4. 1/3 members of the impeaching house either Lok Sabha or Rajya Sabha

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

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

Ans
✗ 1. Use the 'Copy' and 'Paste' options to insert data.

✗ 2. Apply a new cell style to the entire row or column.

✓ 3. Right-click the row or column and choose 'Insert'.

✗ 4. Select a row or column and press the 'Enter' key.

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

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

Ans
✗ 1. 60 inches
✗ 2. 70 inches
✗ 3. 30 inches
✓ 4. 40 inches

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

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

Ans
✗ 1. Kachari
✓ 2. Bodo
✗ 3. Miri
✗ 4. Rabha

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

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

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

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

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

Ans
✗ 1. Lord Chelmsford
✗ 2. Lord Reading
✓ 3. Lord Irwin
✗ 4. Lord Harding

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

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

Ans
✔ 1. It was started in 10 states.
✘ 2. It provides135 days employment.
✘ 3. It was launched in 2018.
✘ 4. It was started in 116 districts.

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

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

Ans
✘ 1. 35
✘ 2. 25
✔ 3. 30
✘ 4. 20

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

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

Ans
✔ 1. Article 246
✘ 2. Article 79
✘ 3. Article 154
✘ 4. Article 280

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

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Q.35 Match the following columns.

Colum-A (Type of Forest)	Column-B (Example of Plant)
i. Himalayan Coniferous	a. Pine, deodar
ii. Deciduous-Dry	b. Avicennia
iii. Mangrove Delta	c. Teak, Ain, Terminalia
iv. Evergreen North-east, Western Ghats	d. Jamun, Ficus, Dipterocarpus

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

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

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

Ans
✘ 1. Only statements 2 and 3 are correct
✔ 2. Only statements 1 and 2 are correct
✘ 3. All statements 1, 2 and 3 are correct
✘ 4. Only statements 1 and 3 are correct

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

Q.37 **What does data encryption involve?**

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

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

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Q.38 Ali Ahmad Hussain Khan was an exponent of _____.

Ans
✗ 1. flute
✗ 2. guitar
✗ 3. been
✓ 4. shehnai

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

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

Ans
✗ 1. 9
✗ 2. 12
✓ 3. 11
✗ 4. 10

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

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

Ans
✗ 1. 11.01
✓ 2. 9.21
✗ 3. 13.20
✗ 4. 7.48

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

Q.41 Identify the group of peninsular rivers.

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

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

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

Ans
✗ 1. Ganga
✓ 2. Narmada
✗ 3. Godavari
✗ 4. Kaveri

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

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

Ans
✓ 1. Article 16
✗ 2. Article 21
✗ 3. Article 35
✗ 4. Article 45

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

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

Ans
✗ 1. Leptospirosis
✓ 2. Japanese encephalitis
✗ 3. Anthrax
✗ 4. Candidiasis

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

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

Ans
✓ 1. Kuchipudi
✗ 2. Odisi
✗ 3. Manipuri
✗ 4. Kathakali

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

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

Ans

✗ 1. Six

✓ 2. Seven

✗ 3. Five

✗ 4. Eight

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

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

Ans

✗ 1. Helping in conducting transactions in an economy

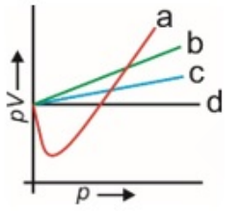
✗ 2. Calculating relative prices of goods and services

✓ 3. Being a standard of deferred payments

✗ 4. Allowing purchase and sale to be conducted independently

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

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



Ans

✓ 1. d

✗ 2. a

✗ 3. c

✗ 4. b

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

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

Ans
✗ 1. Lucknow
✗ 2. Delhi
✗ 3. Calcutta
✓ 4. Simla

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

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

Ans
✓ 1. 17.7%
✗ 2. 16.7%
✗ 3. 19.7%
✗ 4. 18.7%

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

Section : **General Engineering Civil and Structural**

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

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

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

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

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

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

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

Ans
✗ 1. Pumice
✓ 2. Sandstone
✗ 3. Black flint
✗ 4. Basalt

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

Q.4 **In an old plan, a line was drawn to a magnetic bearing of 7° 25′ with a magnetic declination of 2° 5′ west. If the present magnetic declination is 9° 40′ west, then the new magnetic bearing should be drawn at _____.**

Ans
✗ 1. −4° 20′
✗ 2. −15°
✗ 3. 4° 20′
✓ 4. 15°

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Ans
✗ 1. IS 383 defines the grading zones of fine aggregates.

✗ 2. Zone II corresponds to normal sand.

✓ 3. There are 3 grading zones as per IS 383-2016.

✗ 4. Zone III corresponds to finer sand than Zone II.

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

Q.10 **Select the correct option for the given statements.**
Statement 1: Runoff is a function of precipitation, intensity, duration and its coverage.
Statement 2: The size of catchment has a definite effect on the runoff. More the area, lesser will be the runoff.

Ans
✗ 1. Both statement 1 and statement 2 are true

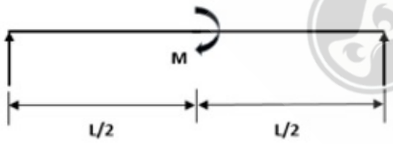
✗ 2. Statement 1 is false and statement 2 is true

✓ 3. Statement 1 is true and statement 2 is false

✗ 4. Both statement 1 and statement 2 are false

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

Q.11 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. $\frac{M}{2L}(+ve)$

✗ 2. $\frac{M}{2L}(-ve)$

✗ 3. $\frac{M}{L}(+ve)$

✓ 4. $\frac{M}{L}(-ve)$

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

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

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

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

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

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

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

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

Ans
✓ 1. the sum of angles must be equal to 360°
✗ 2. the sum of angles must be equal to (2n - 4)°
✗ 3. the sum of angles must be equal to 180°
✗ 4. the sum of angles must be equal to (2n + 4)°

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

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

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

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

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

Ans

✗ 1. m and m^2

✗ 2. m^2 and m^2

✓ 3. m^3 and m^2

✗ 4. m^3 and m

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

Q.17 **DDT belongs to the category of _____.**

Ans

✗ 1. non-persistent pollutants

✗ 2. primary air pollutants

✓ 3. persistent pollutants

✗ 4. secondary air pollutants

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

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

Ans

✗ 1. three

✓ 2. two

✗ 3. five

✗ 4. four

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

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Q.19 **Which of the following statement for the included angle method is/are true?**
Statement 1: Included angles can be measured either clockwise or counter-clockwise.
Statement 2: The measured clockwise angles are interior angles if the direction of progress around the survey is counter-clockwise.

Ans
✗ 1. Only Statement 1 is true.
✗ 2. Only Statement 2 is true.
✓ 3. Both Statements 1 and 2 are true.
✗ 4. Neither Statement 1 nor Statement 2 is true.

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

Q.20 **Offsets from the tangents method of curve setting can be adopted if _____.**

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

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

Q.21 **Consider the following statements regarding, the function of base course and sub-base course in pavement layers:**
i.Prevent mud-pumping in rigid pavement
ii.Protect sub-grade of rigid pavement from frost action
iii.Provide tensile strength to the flexible pavement
iv.Distribute the load in flexible pavement
v.Prevent warping stresses in rigid pavement.
Which of the above statements are correct?

Ans
✓ 1. Only i, ii and iv
✗ 2. Only i, ii and v
✗ 3. Only ii, iii and v
✗ 4. Both ii and iv

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

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

Ans
✗ 1. 24 kW

✗ 2. 4 kW

✗ 3. 8kW

✓ 4. 16kW

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

Q.23 **Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.**
Assertion: A loose, permeable, sandy soil has a higher infiltration capacity than that of a tight, clayey soil.
Reason: A soil with poor under-drainage has a higher infiltration capacity.

Ans
✗ 1. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion.

✓ 2. Assertion is true, but Reason is false.

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

✗ 4. Both Assertion and Reason are false.

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

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

Ans
✓ 1. VG-50

✗ 2. VG-40

✗ 3. VG-20

✗ 4. VG-30

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

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Q.25 **The ratio Nc/Nq for a purely cohesive soil is _____.**
(N_c and N_q are Terzaghi bearing capacity factors)

Ans
✔ 1. 5.7

✘ 2. 2.57

✘ 3. 5.14

✘ 4. 2.85

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

Q.26 **Which of the following statements is INCORRECT?**

Ans
✔ 1. Graphically, the relation between the strength of concrete and the water-cement ratio is approximately cubic.

✘ 2. The lower the water-cement ratio is, the higher will be the strength of concrete.

✘ 3. Lower water-cement ratio is required when the concrete mix is mechanically compacted to achieve higher strength as compared to the hand-compacted concrete mix with higher water-cement ratio.

✘ 4. Lower water-cement ratio leads to lower workability.

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

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

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

Ans
✔ 1. A-2, B-3, C-1

✘ 2. A-1, B-3, C-2

✘ 3. A-1, B-2, C-3

✘ 4. A-2, B-1, C-3

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

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Q.28 **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 = −66 N/mm^2
- ✘ 3. Max. stress = 66 N/mm^2, Min. stress = 22 N/mm^2
- ✘ 4. Max. stress = 44 N/mm^2, Min. stress = 22 N/mm^2

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

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

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

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

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

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

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

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

Ans
✗ 1. valley storage
✓ 2. dead storage
✗ 3. surcharge storage
✗ 4. live storage

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

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

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

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

Q.33 **Dupit's equation is expressed for series-connected pipes as: (where 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. $L/d^5 = L_1/d_1^5 + L_2/d_2^5 + L_3/d_3^5$
✗ 3. $L/d^5 = L_1/d_1^5 - L_2/d_2^5$
✗ 4. $L/d^6 = L_1/d_1^6 + L_2/d_2^6 + L_3/d_3^6$

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

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

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

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

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

Ans
✗ 1. Base
✗ 2. Pigments
✗ 3. Plaster of Paris
✓ 4. Binder

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

Q.36 **Identify water-borne diseases from the following.**
I. Typhoid
II. Hepatitis
III. Malaria

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

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

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

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

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

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

Ans
✗ 1. depreciation
✓ 2. book value
✗ 3. scrap value
✗ 4. market value

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

Q.39 Silt ejector is provided _____.

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

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

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

Ans
✗ 1. Yielding
✗ 2. Undulation
✓ 3. Non yielding
✗ 4. Deflection

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

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Q.41 **Which of the following options explain the effect of cold weather on concrete?**
(i) Delay in setting and hardening
(ii) Freezing of concrete at early age
(iii) Alternate Freezing and Thawing

Ans ✗ 1. Both (ii) and (iii)

✓ 2. (i), (ii), and (iii)

✗ 3. Both (i) and (ii)

✗ 4. Only (i)

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

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

Ans ✗ 1. High

✗ 2. Very high

✓ 3. Medium

✗ 4. Low

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

Q.43 **Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.**
Assertion: Good-quality irrigation water is one of the favourable conditions for sub-surface irrigation practice.
Reason: Irrigation water of bad quality may block the buried perforated pipes in artificial sub-surface irrigation.

Ans ✓ 1. Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

✗ 2. Both Assertion and Reason are false.

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

✗ 4. Assertion is true, but Reason is false.

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

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Q.44 **Select the correct option for the given statements.**
Statement 1: When the crossing site is such that the canal FSL is well above the stream HFL, the choice between aqueduct and siphon aqueduct is made depending on the stream discharge.
Statement 2: For larger stream discharges (i.e. when the stream bed is much wider), an aqueduct is more suitable than a siphon aqueduct which requires lowering of the stream bed by a drop.

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

✘ 2. Statement 1 is false and statement 2 is true

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

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

Question ID : **26433099459**
Option 1 ID : **264330390449**
Option 2 ID : **264330390452**
Option 3 ID : **264330390450**
Option 4 ID : **264330390451**
Status : **Answered**
Chosen Option : **1**

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

Ans
✘ 1. Central Government

✔ 2. Pollution Control Board

✘ 3. Forest Department

✘ 4. State Government

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

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

Ans
✘ 1. $L^{-1/6}T^{-1}$

✔ 2. $L^{-1/3}T$

✘ 3. $L^{-2/3}T$

✘ 4. $L^{-1/2}T^{-2}$

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

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

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

✘ 2. A sewer which transports sewage from a house to lateral sewers

✘ 3. A sewer which transports sewage from a lateral sewer to a branch sewer

✘ 4. A sewer which transports sewage from a branch sewer to the main sewer

Question ID : **26433099415**
Option 1 ID : **264330390274**
Option 2 ID : **264330390273**
Option 3 ID : **264330390275**
Option 4 ID : **264330390276**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

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

Ans
✔ 1. shear failure of soils

✘ 2. compression failure of soils

✘ 3. bending failure of soils

✘ 4. tension failure of soils

Question ID : **264330159626**
Option 1 ID : **264330625863**
Option 2 ID : **264330625864**
Option 3 ID : **264330625866**
Option 4 ID : **264330625865**
Status : **Answered**
Chosen Option : **1**

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

Ans
✘ 1. 2.0 times of the actual length

✔ 2. 0.65 times of the actual length

✘ 3. 1.2 times of the actual length

✘ 4. 0.80 times of the actual length

Question ID : **264330159681**
Option 1 ID : **264330626086**
Option 2 ID : **264330626083**
Option 3 ID : **264330626085**
Option 4 ID : **264330626084**
Status : **Answered**
Chosen Option : **2**

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Q.50 **Before stone seasoning, dressing of stones is done as it provides:**
i. uniform appearance
ii. good mortar joints
iii. proper bedding
iv. poor water absorption

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

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

Q.51 **Level surface in terms of leveling is a _____.**

Ans
✗ 1. vertical surface
✗ 2. horizontal surface
✗ 3. datum surface
✓ 4. curved surface

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

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

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

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

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

Ans
✗ 1. permeability
✗ 2. gradation
✗ 3. specific gravity
✓ 4. fineness

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

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

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

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

Q.55 Silt content in fine aggregates leads to _____.

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

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

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

Ans
✗ 1. oceanography
✓ 2. hydrology
✗ 3. hydraulics
✗ 4. environment

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

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

Ans
✗ 1. 18d
✓ 2. 9d
✗ 3. D
✗ 4. 4.5d

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

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

Ans
✗ 1. Heating
✓ 2. Wedging
✗ 3. Blasting
✗ 4. Excavating

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

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

Ans
✓ 1. 75 cm
✗ 2. 85 cm
✗ 3. 55 cm
✗ 4. 60 cm

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

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

Ans
✗ 1. roots
✓ 2. legs
✗ 3. toes
✗ 4. throats

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

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Q.61 **Traffic engineering does NOT include which of the following?**
i. Geometric design
ii. Traffic studies and analysis
iii. Road user characteristics
iv. Marshall mix design

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

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

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

Ans
✗ 1. simultaneous system
✗ 2. flexible progressive system
✗ 3. simple progressive system
✓ 4. alternate system

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

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

Ans
✗ 1. porocity
✗ 2. minimum dry density
✓ 3. maximum dry density
✗ 4. specific gravity

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

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

Ans
✗ 1. 25
✗ 2. 40
✓ 3. 60
✗ 4. 10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Ans
✓ 1. 50 m
✗ 2. 56 m
✗ 3. 48 m
✗ 4. 60 m

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

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

Ans
✗ 1. 120 mm
✗ 2. 125 mm
✓ 3. 150 mm
✗ 4. 100 mm

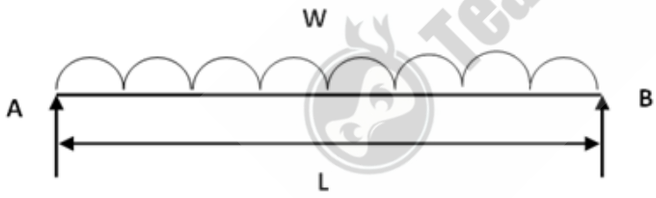
Question ID : **26433099434**
Option 1 ID : **264330390351**
Option 2 ID : **264330390352**
Option 3 ID : **264330390349**
Option 4 ID : **264330390350**
Status : **Answered**
Chosen Option : **3**

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

Ans
✓ 1. Well point system
✗ 2. Dehydration
✗ 3. Dewatering
✗ 4. Water suction method

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

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



Ans
✗ 1. Zero
✓ 2. $\frac{3.wL^2}{32}$
✗ 3. $\frac{wL^2}{8}$
✗ 4. $\frac{wL^2}{32}$

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

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Q.74 The coefficient of discharge (C_d) in terms of the coefficient of velocity (C_V) and the coefficient of contraction (C_C) is:

Ans
✗ 1. $C_d = C_C/C_V$
✗ 2. $C_d = C_V/C_C$
✓ 3. $C_d = C_V \times C_C$
✗ 4. $C_d = C_V + C_C$

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

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

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

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

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

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

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

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

Ans
✗ 1. 100 mm
✗ 2. 200 mm
✗ 3. 50 mm
✓ 4. 150 mm

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 made of glass.
✗ 4. The graduated circle is fixed and it does not move.

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

Q.83 Consider the following statements regarding horizontal equivalent and contour interval.
i. Horizontal equivalent between two contour lines is always constant.
ii. Horizontal equivalent may be zero for a vertical cliff.
iii. Contour interval should be inversely proportional to the scale.
iv. For detailed design work, large contour interval is taken.
Which of the given statements are correct?

Ans
✗ 1. i and iv
✗ 2. i and iii
✓ 3. ii and iii
✗ 4. ii and iv

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

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

Ans
✗ 1. 3.6
✗ 2. 3.2
✓ 3. 2.4
✗ 4. 2.8

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

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

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.86 In soil mechanics, what is Darcy constant?

Ans
✓ 1. coefficient of permeability
✗ 2. coefficient of compressibility
✗ 3. coefficient of compaction
✗ 4. coefficient of liquefaction

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

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Q.87 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. 353°
✓ 2. 355°
✗ 3. 357°
✗ 4. 5°

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

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

Ans
✗ 1. $16\frac{3}{4}\%$
✗ 2. $16\frac{1}{2}\%$
✗ 3. $16\frac{4}{5}\%$
✓ 4. $16\frac{2}{3}\%$

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

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

Ans
✗ 1. thread
✓ 2. landing
✗ 3. stringer
✗ 4. connector

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

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

Ans

✔ 1. Stomach disorder

✘ 2. Anxiety

✘ 3. Hearing loss

✘ 4. Migration of birds from cities

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

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

Ans

✘ 1. Method of cross-section and the equal depth contours method

✔ 2. Method of cross-section and the tracing of contour gradient method

✘ 3. Tracing of contour gradient method and the equal depth contours method

✘ 4. Tracing of contour gradient method and the method of horizontal plane

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

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

Ans

✘ 1. 0.1 cm

✘ 2. 100 cm

✘ 3. 10 cm

✔ 4. 1 cm

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

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

Ans

✘ 1. 15.6 g/cc

✘ 2. 14.6 g/cc

✔ 3. 13.6 g/cc

✘ 4. 12.6 g/cc

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

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

Ans
✗ 1. C, A, D, B
✓ 2. A, D, C, B
✗ 3. C, D, B, A
✗ 4. A, B, C, D

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

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

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

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

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

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

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

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

Ans
✗ 1. 0.020
✓ 2. 0.075
✗ 3. 0.015
✗ 4. 14.750

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

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

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

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

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

Ans
✗ 1. 65 mm
✓ 2. 60 mm
✗ 3. 50 mm
✗ 4. 55 mm

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

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

Ans
- ✔ 1. 706
- ✘ 2. 720
- ✘ 3. 730
- ✘ 4. 740

Question ID : **26433088708**
Option 1 ID : **264330348391**
Option 2 ID : **264330348389**
Option 3 ID : **264330348390**
Option 4 ID : **264330348392**
Status : **Not Answered**
Chosen Option : **--**

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