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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	9:00 AM - 11:00 AM
Subject	Junior Engineer 2023 Civil Paper I

Section : **General Intelligence and Reasoning**

Q.1 उस विकल्प का चयन कीजिए जो तीसरे शब्द से उसी प्रकार संबंधित है जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है (शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया चाहिए)

खुला : गुप्त :: स्पष्टवादी : _____

Ans
✗ 1. प्रसन्न
✓ 2. धोखेबाज़
✗ 3. नाराज़
✗ 4. भावनात्मक

Question ID : **26433078836**
Option 1 ID : **264330309357**
Option 2 ID : **264330309356**
Option 3 ID : **264330309359**
Option 4 ID : **264330309358**
Status : **Answered**
Chosen Option : **2**

Q.2 **Select the pair that follows the same pattern as that followed by the given two sets of pairs. Both pairs follow the same pattern.**
JIG : TSQ
POM: ZYW

Ans
✗ 1. ABD : IJG
✓ 2. CBZ: MLJ
✗ 3. DEB: FED
✗ 4. LJH: OPQ

Question ID : **264330130718**
Option 1 ID : **264330511983**
Option 2 ID : **264330511986**
Option 3 ID : **264330511985**
Option 4 ID : **264330511984**
Status : **Answered**
Chosen Option : **2**

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Q.3 **Which of the following terms will replace the question mark (?) in the given series?**
VURS, POLM, JIFG, DCZA, ?

Ans
✗ 1. WXTU
✗ 2. WYUT
✓ 3. XWTU
✗ 4. XYTU

Question ID : **26433089475**
Option 1 ID : **264330351403**
Option 2 ID : **264330351401**
Option 3 ID : **264330351404**
Option 4 ID : **264330351402**
Status : **Answered**
Chosen Option : **3**

Q.4 **In a code language, 'CHEAT' is written as AFGCR and 'BROKE' is written as ZPQIG.**
How will 'TREAT' be written in the same language?

Ans
✗ 1. RPHDR
✗ 2. OPHDR
✗ 3. OPGCR
✓ 4. RPGCR

Question ID : **264330132945**
Option 1 ID : **264330520840**
Option 2 ID : **264330520841**
Option 3 ID : **264330520842**
Option 4 ID : **264330520839**
Status : **Answered**
Chosen Option : **4**

Q.5 **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 men are old.
All women are old.

Conclusions:
I. All men are women.
II. All old are either men or women.

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

Question ID : **264330144658**
Option 1 ID : **264330566887**
Option 2 ID : **264330566889**
Option 3 ID : **264330566890**
Option 4 ID : **264330566888**
Status : **Answered**
Chosen Option : **3**

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Q.6 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**

X _ V U T _ W _ U T _W V_ T X _ V U _

Ans

✗ 1. X W U X W T V

✓ 2. W X V X U W T

✗ 3. V W X U X T X

✗ 4. W V X W T V U

Question ID : **264330144495**
Option 1 ID : **264330566236**
Option 2 ID : **264330566235**
Option 3 ID : **264330566237**
Option 4 ID : **264330566238**
Status : **Answered**
Chosen Option : **2**

Q.7 **If A denotes '+', B denotes '×', C denotes '−', and D denotes '÷', then what will come in place of '?' in the following equation?**
(189 A 7) ? (12 A 2) = 14

Ans

✗ 1. A

✓ 2. D

✗ 3. B

✗ 4. C

Question ID : **26433067675**
Option 1 ID : **264330265212**
Option 2 ID : **264330265215**
Option 3 ID : **264330265213**
Option 4 ID : **264330265214**
Status : **Answered**
Chosen Option : **2**

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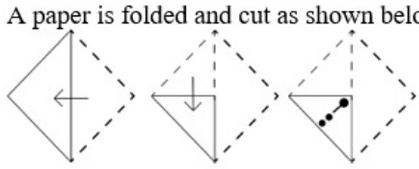
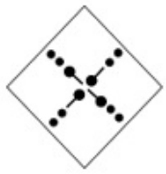
Q.8 A paper is folded and cut as shown below. How will it appear when unfolded?

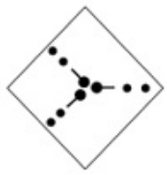


Ans

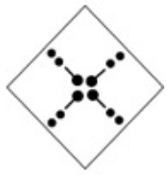
✗ 1.



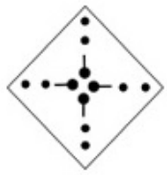
✗ 2.



✓ 3.



✗ 4.



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Question ID : **264330103017**
Option 1 ID : **264330404459**
Option 2 ID : **264330404457**
Option 3 ID : **264330404458**
Option 4 ID : **264330404460**
Status : **Answered**
Chosen Option : **3**

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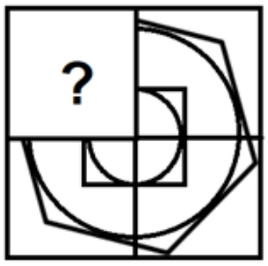
Q.9 **Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.**



Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **264330129660**
Option 1 ID : **264330508008**
Option 2 ID : **264330508009**
Option 3 ID : **264330508006**
Option 4 ID : **264330508007**
Status : **Answered**
Chosen Option : **2**

Q.10 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**

_ G F F G _ F F F G _ G F F F F _ G G G

Ans

✗ 1. F G G F

✗ 2. F F G G

✗ 3. F G F G

✓ 4. F G G G

Question ID : **264330144619**
Option 1 ID : **264330566732**
Option 2 ID : **264330566733**
Option 3 ID : **264330566734**
Option 4 ID : **264330566731**
Status : **Answered**
Chosen Option : **4**

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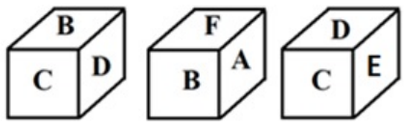
Q.11 Three positions of the same dice are given. What will be the letter on the face opposite to the face having letter A?



Ans
✗ 1. D
✗ 2. F
✗ 3. E
✓ 4. C

Question ID : **26433069250**
Option 1 ID : **264330271513**
Option 2 ID : **264330271515**
Option 3 ID : **264330271514**
Option 4 ID : **264330271512**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
Q_ _ U O _ E T _ O Q E _ U _ Q E _ _ O

Ans
✗ 1. E T Q U T T O U
✗ 2. E T Q U T Q T U
✓ 3. E T Q U T O T U
✗ 4. E T Q T U O T U

Question ID : **26433068918**
Option 1 ID : **264330270186**
Option 2 ID : **264330270184**
Option 3 ID : **264330270187**
Option 4 ID : **264330270185**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.**
149 : 68 :: 179 : ? :: 187 : 106

Ans
✗ 1. 99
✓ 2. 98
✗ 3. 89
✗ 4. 88

Question ID : **26433078941**
Option 1 ID : **264330309779**
Option 2 ID : **264330309777**
Option 3 ID : **264330309776**
Option 4 ID : **264330309778**
Status : **Not Answered**
Chosen Option : **--**

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Q.14 **Seven students R, S, T, U, V, W and X, each scored different marks in a test. V scored more than W but less than U. X scored more than S but less than R. T scored more than U but less than S. Who scored the least marks among all?**

Ans
✔ 1. W
✘ 2. V
✘ 3. T
✘ 4. U

Question ID : **264330144624**
Option 1 ID : **264330566754**
Option 2 ID : **264330566753**
Option 3 ID : **264330566751**
Option 4 ID : **264330566752**
Status : **Answered**
Chosen Option : **1**

Q.15 **Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.**
1. Ocean
2. River
3. Pond
4. Sea
5. Lake

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

Question ID : **264330131975**
Option 1 ID : **264330516997**
Option 2 ID : **264330516998**
Option 3 ID : **264330516996**
Option 4 ID : **264330516995**
Status : **Answered**
Chosen Option : **4**

Q.16 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Immature
2. Immune
3. Immeasurable
4. Immerse
5. Immediate

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

Question ID : **264330129550**
Option 1 ID : **264330507566**
Option 2 ID : **264330507568**
Option 3 ID : **264330507567**
Option 4 ID : **264330507569**
Status : **Answered**
Chosen Option : **3**

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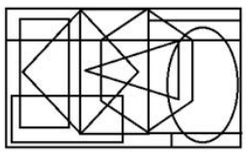
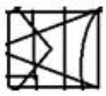
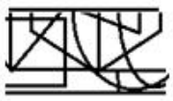
Q.17 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).

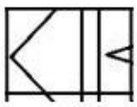


Ans

✗ 1. 

✗ 2.

✗ 3. 

✓ 4. 

Question ID : **264330144807**
Option 1 ID : **264330567483**
Option 2 ID : **264330567485**
Option 3 ID : **264330567486**
Option 4 ID : **264330567484**
Status : **Answered**
Chosen Option : **4**

Q.18 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Justice
2. Journal
3. Jurisdiction
4. Judgement
5. Journey

Ans

✗ 1. 1, 3, 2, 4, 5

✗ 2. 2, 4, 5, 3, 1

✓ 3. 2, 5, 4, 3, 1

✗ 4. 1, 2, 3, 4, 5

Question ID : **264330132460**
Option 1 ID : **264330518936**
Option 2 ID : **264330518937**
Option 3 ID : **264330518935**
Option 4 ID : **264330518938**
Status : **Answered**
Chosen Option : **3**

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Q.19 **Amit moves 20 m east. Then, turning to his left he moves 10 m. Then he turns right and walks 20 m. Then he moves 10 m after turning to his right. Finally, he turns towards his left and covered a distance of 20 m and reached his office. How far is he from his home?**

Ans

✗ 1. 65 m

✗ 2. 68 m

✓ 3. 60 m

✗ 4. 62 m

Question ID : **264330130193**
Option 1 ID : **264330509885**
Option 2 ID : **264330509886**
Option 3 ID : **264330509883**
Option 4 ID : **264330509884**
Status : **Answered**
Chosen Option : **3**

Q.20 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 : **26433074807**
Option 1 ID : **264330293319**
Option 2 ID : **264330293316**
Option 3 ID : **264330293317**
Option 4 ID : **264330293318**
Status : **Answered**
Chosen Option : **4**

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Q.21 **In a certain code language, 'INDIA' is written as '103' and 'ARAB' is written as '90'. How will 'AFRICA' be written in that language?**

Ans

✗ 1. 104

✗ 2. 124

✓ 3. 130

✗ 4. 112

Question ID : **264330144549**
Option 1 ID : **264330566454**
Option 2 ID : **264330566451**
Option 3 ID : **264330566452**
Option 4 ID : **264330566453**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **Arrange the following words in a logical and meaningful order.**
1. Dessert
2. Salad
3. Main course
4. Soup
5. Appetizer

Ans

✗ 1. 1, 3, 5, 2, 4

✓ 2. 4, 5, 2, 3, 1

✗ 3. 4, 2, 3, 5, 1

✗ 4. 1, 5, 3, 2, 4

Question ID : **26433081459**
Option 1 ID : **264330319671**
Option 2 ID : **264330319670**
Option 3 ID : **264330319672**
Option 4 ID : **264330319669**
Status : **Not Answered**
Chosen Option : **--**

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Q.23 Which of the following option figures will complete the pattern in the figure given below?

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

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Question ID : **26433080582**
Option 1 ID : **264330316262**
Option 2 ID : **264330316261**
Option 3 ID : **264330316263**
Option 4 ID : **264330316264**
Status : **Answered**
Chosen Option : **3**

Q.24 **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.**

91 : 42 :: ? : 54 :: 65 : 30

Ans

✘ 1. 127

✔ 2. 117

✘ 3. 104

✘ 4. 107

Question ID : **264330144441**
Option 1 ID : **264330566019**
Option 2 ID : **264330566021**
Option 3 ID : **264330566022**
Option 4 ID : **264330566020**
Status : **Not Answered**
Chosen Option : **--**

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Q.25 उस विकल्प का चयन कीजिए, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और वे शब्द, उनमें अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए)

भेड़ (Sheep) : मेमना (Lamb) : : हिरण (Deer) : ?

Ans

✔ 1. मृग छौना (Fawn)

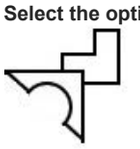
✘ 2. कोल्ट (Colt)

✘ 3. बच्चा (Child)

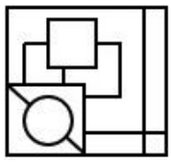
✘ 4. सिग्नेट (Cygnet)

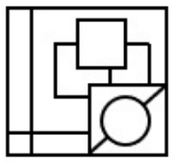
Question ID : **264330144511**
Option 1 ID : **264330566299**
Option 2 ID : **264330566302**
Option 3 ID : **264330566300**
Option 4 ID : **264330566301**
Status : **Answered**
Chosen Option : **1**

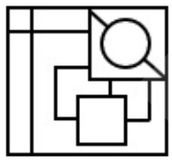
Q.26 Select the option in which the given figure is embedded (rotation is NOT allowed).

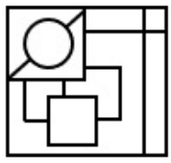


Ans

✔ 1. 

✘ 2. 

✘ 3. 

✘ 4. 

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Question ID : **264330129543**
Option 1 ID : **264330507541**
Option 2 ID : **264330507540**
Option 3 ID : **264330507539**
Option 4 ID : **264330507538**
Status : **Answered**
Chosen Option : **1**

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Q.27 **In a certain code language, 'SEASON' is coded as '73', and 'SUMMER' is coded as '89'. How will 'SPRING' be coded in that language?**

Ans

✔ 1. 83

✘ 2. 105

✘ 3. 99

✘ 4. 86

Question ID : **264330144596**
Option 1 ID : **264330566639**
Option 2 ID : **264330566640**
Option 3 ID : **264330566641**
Option 4 ID : **264330566642**
Status : **Answered**
Chosen Option : **1**

Q.28 **If '÷' means '−', '+' means '×', '−' means '÷', '×' means '+', then choose the correct equation from the following.**

Ans

✔ 1. 12 ÷ 20 × 12 + 7 - 2 = 34

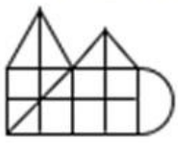
✘ 2. 12 × 20 ÷ 12 + 7 - 2 = 34

✘ 3. 12 ÷ 20 × 12 - 7 + 2 = 34

✘ 4. 12 × 20 + 12 ÷ 7 - 2 = 34

Question ID : **264330130219**
Option 1 ID : **264330509987**
Option 2 ID : **264330509989**
Option 3 ID : **264330509990**
Option 4 ID : **264330509988**
Status : **Answered**
Chosen Option : **1**

Q.29 Select the option that is embedded in the given figure (rotation is NOT allowed).



Ans

✘ 1.

✘ 2.

✘ 3.

✔ 4.

Question ID : **26433058109**
Option 1 ID : **264330227422**
Option 2 ID : **264330227423**
Option 3 ID : **264330227420**
Option 4 ID : **264330227421**
Status : **Answered**
Chosen Option : **4**

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Q.30 **Pointing towards a person in a photograph, a man, Sunil, said, "He is the son of my brother's wife's father-in law." If the photograph is not of Sunil himself, how is the person in the photograph related to Sunil?**

Ans
✗ 1. Father
✗ 2. Son
✓ 3. Brother
✗ 4. Sister's son

Question ID : **26433086260**
Option 1 ID : **264330338733**
Option 2 ID : **264330338734**
Option 3 ID : **264330338735**
Option 4 ID : **264330338736**
Status : **Answered**
Chosen Option : **3**

Q.31 **उस शब्द युग्म का चयन कीजिए, जिसमें दिए गए दोनों शब्द एक दूसरे से उसी तरह से संबंधित हैं, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।**
(शब्दों पर सार्थक शब्द के रूप में विचार किया जाना चाहिए, और वे शब्द, शब्द में अक्षरों/व्यंजनों/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)

अर्जेंटीना : पेसो (Argentina : Peso)

Ans
✗ 1. नेपाल : क्यात (Nepal : Kyat)
✗ 2. रूस : बाथ (Russia : Baht)
✗ 3. बांग्लादेश : शिलिंग (Bangladesh : Schilling)
✓ 4. जापान : येन (Yen)

Question ID : **264330117401**
Option 1 ID : **264330461647**
Option 2 ID : **264330461648**
Option 3 ID : **264330461645**
Option 4 ID : **264330461646**
Status : **Answered**
Chosen Option : **4**

Q.32 **In a college debate, six friends are divided into 2 equal teams (A and B). The friends are Savita, Kavita, Namita, Diya, Piya, and Riya. They compete with each other and are sitting in two rows, facing each other. We also know that Piya is not at the end of any rows. Kavita is the neighbour of Riya. Diya is second to the left of Riya and is not a part of the winning team. Namita, a member of team A is sitting diagonally opposite Diya. Who are the members of team B?**

Ans
✓ 1. Kavita, Diya and Riya
✗ 2. Kavita, Diya and Piya
✗ 3. Diya, Piya and Riya
✗ 4. Kavita, Piya and Riya

Question ID : **26433085702**
Option 1 ID : **264330336509**
Option 2 ID : **264330336510**
Option 3 ID : **264330336511**
Option 4 ID : **264330336512**
Status : **Answered**
Chosen Option : **1**

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Q.33 If
'M = N' means 'M is the father of N',
'M # N' means 'M is the sister's son of N',
'M × N' means 'M is the husband of N',
'M & N' means 'M is the sister of N',
'M $ N' means 'M is the wife of N', and
'M @ N' means 'M is the brother of N',
then how is A related to C in the following expression?
A # L = K & P @ C = B

Ans
✗ 1. Father's sister
✗ 2. Brother
✓ 3. Father's sister's son
✗ 4. Sister

Question ID : **264330144537**
Option 1 ID : **264330566403**
Option 2 ID : **264330566404**
Option 3 ID : **264330566405**
Option 4 ID : **264330566406**
Status : **Answered**
Chosen Option : **3**

Q.34 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?

36 : 2 :: ? : 5 :: 81 : 3

Ans
✗ 1. 100
✗ 2. 400
✗ 3. 125
✓ 4. 225

Question ID : **264330144456**
Option 1 ID : **264330566080**
Option 2 ID : **264330566079**
Option 3 ID : **264330566081**
Option 4 ID : **264330566082**
Status : **Answered**
Chosen Option : **4**

Q.35 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
S _ _ J K _ H F _ K S H _ J _ S H _ _ K

Ans
✗ 1. H F S F J F K J
✓ 2. H F S J F K F J
✗ 3. H F S F J K F J
✗ 4. H F S K J F F J

Question ID : **26433068916**
Option 1 ID : **264330270177**
Option 2 ID : **264330270178**
Option 3 ID : **264330270176**
Option 4 ID : **264330270179**
Status : **Answered**
Chosen Option : **2**

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Q.36 **Which of the following numbers will replace the question mark (?) in the given series?**

43, ?, 34, 61, 25, 70

Ans
✔ 1. 52
✘ 2. 47
✘ 3. 49
✘ 4. 51

Question ID : **26433091017**
Option 1 ID : **264330357479**
Option 2 ID : **264330357477**
Option 3 ID : **264330357480**
Option 4 ID : **264330357478**
Status : **Answered**
Chosen Option : **1**

Q.37 **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.**
22 : 369 :: 31 : 522 :: 17 : ?

Ans
✘ 1. 281
✔ 2. 284
✘ 3. 274
✘ 4. 277

Question ID : **26433078884**
Option 1 ID : **264330309550**
Option 2 ID : **264330309551**
Option 3 ID : **264330309548**
Option 4 ID : **264330309549**
Status : **Not Answered**
Chosen Option : **--**

Q.38 **Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.**
102 : 9 :: 80 : ? :: 146 : 13

Ans
✘ 1. 9
✘ 2. 11
✘ 3. 10
✔ 4. 7

Question ID : **264330126047**
Option 1 ID : **264330493860**
Option 2 ID : **264330493861**
Option 3 ID : **264330493862**
Option 4 ID : **264330493863**
Status : **Not Answered**
Chosen Option : **--**

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Q.39 **If '+' means '÷', '–' means '+', '×' means '–', and '÷' means '×', then what will be the value of the following expression?**
[{(22 × 15) - (1 ÷ 9)} + (2- 2)] ÷ 2

Ans
✗ 1. 10
✓ 2. 8
✗ 3. 6
✗ 4. 12

Question ID : **264330131556**
Option 1 ID : **264330515328**
Option 2 ID : **264330515327**
Option 3 ID : **264330515330**
Option 4 ID : **264330515329**
Status : **Answered**
Chosen Option : **2**

Q.40 **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:
Some tears are drops.
Some drops are streams.
All streams are rivers.

Conclusions:
I. All tears can never be rivers.
II. Some drops are rivers.
III. All tears being streams is a possibility.

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

Question ID : **264330144583**
Option 1 ID : **264330566587**
Option 2 ID : **264330566588**
Option 3 ID : **264330566589**
Option 4 ID : **264330566590**
Status : **Answered**
Chosen Option : **2**

Q.41 **If A denotes '×', B denotes '+', C denotes '–' and D denotes '÷', then what will be the value of the following equation?**
10 A 660 D 11 B 50 C 50

Ans
✗ 1. 606
✓ 2. 600
✗ 3. 602
✗ 4. 598

Question ID : **264330133251**
Option 1 ID : **264330522051**
Option 2 ID : **264330522054**
Option 3 ID : **264330522052**
Option 4 ID : **264330522053**
Status : **Answered**
Chosen Option : **2**

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Q.42 **In a certain code language, 'NEWLY' is coded as MFZKZ and 'PAINT' is coded as OBLMU. How will 'TWICE' be coded in that language?**

Ans

✗ 1. RXLBF

✗ 2. SXLBG

✗ 3. SYLBG

✓ 4. SXLBF

Question ID : **264330133213**
Option 1 ID : **264330521901**
Option 2 ID : **264330521902**
Option 3 ID : **264330521900**
Option 4 ID : **264330521899**
Status : **Answered**
Chosen Option : **4**

Q.43 **उस विकल्प का चयन कीजिए, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण हिंदी/अंग्रेजी शब्दों के रूप में माना जाना चाहिए, और शब्द, उनमें अक्षरों की संख्या / व्यंजनों / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)**

लंबाई (Length) : ऊंचाई (Height) :: मोटाई (Breadth) : ?

Ans

✓ 1. चौड़ाई (Width)

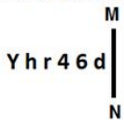
✗ 2. आयतन (Volume)

✗ 3. विमा (Dimension)

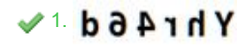
✗ 4. वजन (Weight)

Question ID : **264330144590**
Option 1 ID : **264330566618**
Option 2 ID : **264330566617**
Option 3 ID : **264330566615**
Option 4 ID : **264330566616**
Status : **Answered**
Chosen Option : **1**

Q.44 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

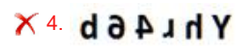


Ans

✓ 1. 

✗ 2.

✗ 3.

✗ 4. 

Question ID : **26433056962**
Option 1 ID : **264330222835**
Option 2 ID : **264330222834**
Option 3 ID : **264330222833**
Option 4 ID : **264330222832**
Status : **Answered**
Chosen Option : **1**

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Q.45 **Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing north (not necessarily in the same order). Only 1 person sits to the left of D. A is an immediate neighbour of D. Only 2 people sit between F and D. Only 3 people sit between C and G. B is not an immediate neighbour of G. Only 2 people sit between E and A.**

Who sits to the immediate left of F?

Ans
✗ 1. C
✗ 2. A
✗ 3. G
✓ 4. E

Question ID : **264330144642**
Option 1 ID : **264330566826**
Option 2 ID : **264330566823**
Option 3 ID : **264330566824**
Option 4 ID : **264330566825**
Status : **Answered**
Chosen Option : **3**

Q.46 **Oliver departs from his office and walks 20 m towards north. He then turns left and walks 50 m. He turns left again and walks 40 m. He then turns right and walks 10 m. How far is he from a pole which is exactly 60 m west of his office? (Assuming that all turns are 90 degree turns only.)**

Ans
✓ 1. 20 m
✗ 2. 15 m
✗ 3. 30 m
✗ 4. 40 m

Question ID : **264330129767**
Option 1 ID : **264330508302**
Option 2 ID : **264330508301**
Option 3 ID : **264330508300**
Option 4 ID : **264330508299**
Status : **Answered**
Chosen Option : **1**

Q.47 **Which of the following numbers will replace the question marks (?) in the given series?**
243, 162, 108, ?, 48, 32

Ans
✗ 1. 76
✓ 2. 72
✗ 3. 84
✗ 4. 98

Question ID : **26433097281**
Option 1 ID : **264330381824**
Option 2 ID : **264330381823**
Option 3 ID : **264330381822**
Option 4 ID : **264330381821**
Status : **Not Answered**
Chosen Option : **--**

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Q.48 उस विकल्प का चयन करें, जो तीसरे शब्द से उसी प्रकार संबंधित है, जिस प्रकार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए, और शब्द में अक्षरों की संख्या / व्यंजन / स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए)

सुई (Needle) : सिलना (Sew) :: बरमा (Auger) : ?

Ans
✗ 1. तराशना (Carve)
✓ 2. बेधना (Bore)
✗ 3. खोदकर निकालना (Scoop)
✗ 4. पीसना (Grind)

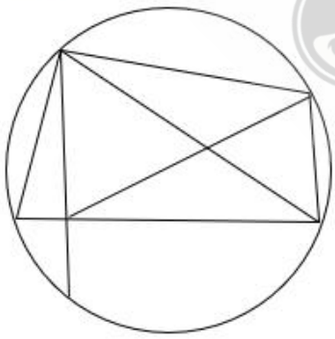
Question ID : **264330144532**
Option 1 ID : **264330566386**
Option 2 ID : **264330566384**
Option 3 ID : **264330566385**
Option 4 ID : **264330566383**
Status : **Answered**
Chosen Option : **2**

Q.49 Which of the following numbers will replace the question mark (?) in the given series?
485, 528, 577, ?, 677

Ans
✓ 1. 624
✗ 2. 645
✗ 3. 621
✗ 4. 598

Question ID : **26433082424**
Option 1 ID : **264330323530**
Option 2 ID : **264330323532**
Option 3 ID : **264330323531**
Option 4 ID : **264330323529**
Status : **Not Answered**
Chosen Option : **--**

Q.50 How many triangles are there in the given figure?



Ans
✓ 1. 10
✗ 2. 12
✗ 3. 11
✗ 4. 9

Question ID : **26433068138**
Option 1 ID : **264330267064**
Option 2 ID : **264330267066**
Option 3 ID : **264330267065**
Option 4 ID : **264330267067**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

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Q.1 The average depth of the continental slope ranges between:

Ans
✗ 1. 10 – 100 m
✗ 2. 1 – 10 m
✗ 3. 100 – 200 m
✓ 4. 200 – 3000 m

Question ID : **264330131748**
Option 1 ID : **264330516092**
Option 2 ID : **264330516091**
Option 3 ID : **264330516093**
Option 4 ID : **264330516094**
Status : **Not Answered**
Chosen Option : **--**

Q.2 बिम्बिसार ने किस राजवंश के राजा के उपचार के लिए राजवैद्य जीवक को भेजा था?

Ans
✓ 1. अवंती
✗ 2. काशी
✗ 3. कोशल
✗ 4. गांधार

Question ID : **264330112128**
Option 1 ID : **264330440599**
Option 2 ID : **264330440597**
Option 3 ID : **264330440598**
Option 4 ID : **264330440600**
Status : **Marked For Review**
Chosen Option : **2**

Q.3 What was the extent of poverty line suggested by the National Planning Committee in 1938 on the basis of minimum standard of living?

Ans
✗ 1. ₹30-35 per capita per month
✓ 2. ₹15-20 per capita per month
✗ 3. ₹10-15 per capita per month
✗ 4. ₹20-25 per capita per month

Question ID : **264330111355**
Option 1 ID : **264330437508**
Option 2 ID : **264330437506**
Option 3 ID : **264330437505**
Option 4 ID : **264330437507**
Status : **Not Answered**
Chosen Option : **--**

Q.4 How many cells do large animals have?

Ans
✗ 1. Thousands
✗ 2. Hundreds
✗ 3. Tens
✓ 4. Billions

Question ID : **264330111557**
Option 1 ID : **264330438314**
Option 2 ID : **264330438313**
Option 3 ID : **264330438315**
Option 4 ID : **264330438316**
Status : **Answered**
Chosen Option : **4**

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Q.5 नौवीं और ग्यारहवीं शताब्दी के बीच की अवधि के दौरान बंगाल में प्रचलित मूर्तिकला की शैली को क्या कहा जाता है?

Ans
✗ 1. वेसर शैली
✗ 2. नागर शैली
✓ 3. पाला शैली
✗ 4. पंचायतन शैली

Question ID : **26433072653**
Option 1 ID : **264330284874**
Option 2 ID : **264330284873**
Option 3 ID : **264330284872**
Option 4 ID : **264330284875**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.6 When is National Sports Day celebrated in India?

Ans
✗ 1. 28 August
✗ 2. 27 August
✓ 3. 29 August
✗ 4. 26 August

Question ID : **264330119263**
Option 1 ID : **264330467340**
Option 2 ID : **264330467341**
Option 3 ID : **264330467339**
Option 4 ID : **264330467342**
Status : **Answered**
Chosen Option : **1**

Q.7 The Rourkela Steel plant was set up in 1959 in collaboration with _____.

Ans
✓ 1. Germany
✗ 2. Britain
✗ 3. Russia
✗ 4. Japan

Question ID : **264330113274**
Option 1 ID : **264330445183**
Option 2 ID : **264330445182**
Option 3 ID : **264330445184**
Option 4 ID : **264330445181**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The venue of the 1948 Olympic Games was _____ .

Ans
✗ 1. Melbourne
✓ 2. London
✗ 3. Athens
✗ 4. Rome

Question ID : **264330110335**
Option 1 ID : **264330433619**
Option 2 ID : **264330433617**
Option 3 ID : **264330433620**
Option 4 ID : **264330433618**
Status : **Answered**
Chosen Option : **2**

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Q.9 संविधान के निम्नलिखित में से कौन सा अनुच्छेद मौलिक कर्तव्य - "भारत की संप्रभुता, एकता और अखंडता को बनाए रखना और उसकी रक्षा करना" पर जोर देता है?

Ans
✔ 1. अनुच्छेद 51A (c)
✘ 2. अनुच्छेद 51A (e)
✘ 3. अनुच्छेद 51A (f)
✘ 4. अनुच्छेद 51A (d)

Question ID : **264330112765**
Option 1 ID : **264330443145**
Option 2 ID : **264330443147**
Option 3 ID : **264330443148**
Option 4 ID : **264330443146**
Status : **Not Answered**
Chosen Option : **--**

Q.10 'Farewell My Friend' was an album by which musician?

Ans
✘ 1. Shivkumar Sharma
✘ 2. Bhimsen Joshi
✘ 3. Pandit Kumar Gandharva
✔ 4. Pandit Ravi Shankar

Question ID : **26433074868**
Option 1 ID : **264330293560**
Option 2 ID : **264330293561**
Option 3 ID : **264330293563**
Option 4 ID : **264330293562**
Status : **Not Answered**
Chosen Option : **--**

Q.11 निम्नलिखित में से किस राजनेता को मरणोपरांत वर्ष 2023 में भारत के राष्ट्रपति द्वारा सार्वजनिक मामलों के क्षेत्र में उनके महत्त्वपूर्ण योगदान के लिए पद्म-विभूषण से सम्मानित किया गया था?

Ans
✘ 1. शरद यादव
✘ 2. नबा दास
✘ 3. बालकृष्ण दोशी
✔ 4. मुलायम सिंह यादव

Question ID : **264330132580**
Option 1 ID : **264330519418**
Option 2 ID : **264330519416**
Option 3 ID : **264330519415**
Option 4 ID : **264330519417**
Status : **Answered**
Chosen Option : **4**

Q.12 निम्नलिखित में से किस वर्ष में, 'सूचना का अधिकार अधिनियम' का अधिनियमन किया गया था?

Ans
✘ 1. 2016
✘ 2. 1994
✔ 3. 2005
✘ 4. 1957

Question ID : **26433086816**
Option 1 ID : **264330340908**
Option 2 ID : **264330340906**
Option 3 ID : **264330340907**
Option 4 ID : **264330340905**
Status : **Answered**
Chosen Option : **2**

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Q.13 31 जनवरी 2023 को नई दिल्ली में राष्ट्रीय महिला आयोग के स्थापना दिवस समारोह के अवसर पर भारत की राष्ट्रपति द्रौपदी मुर्मू ने निम्नलिखित में से किस पुस्तक की पहली प्रति प्राप्त की?

Ans
✗ 1. सशक्त किसान, सशक्त भारत
✗ 2. सशक्त बेटी, सशक्त भारत
✓ 3. सशक्त नारी, सशक्त भारत
✗ 4. सशक्त जमीन, सशक्त भारत

Question ID : **264330132576**
Option 1 ID : **264330519402**
Option 2 ID : **264330519400**
Option 3 ID : **264330519399**
Option 4 ID : **264330519401**
Status : **Answered**
Chosen Option : **3**

Q.14 As per Reserve Bank of India's master direction, a microfinance loan is defined as a collateral-free loan given to a household having annual household income up to _____.

Ans
✗ 1. ₹4,00,000
✗ 2. ₹2,00,000
✓ 3. ₹3,00,000
✗ 4. ₹5,00,000

Question ID : **26433064491**
Option 1 ID : **264330252558**
Option 2 ID : **264330252556**
Option 3 ID : **264330252557**
Option 4 ID : **264330252559**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Which disease refers to the spectrum of ocular disease caused by severe Vitamin A deficiency (VAD)?

Ans
✗ 1. Diabetic retinopathy
✗ 2. Glaucoma
✗ 3. Cataract
✓ 4. Xerophthalmia

Question ID : **264330110072**
Option 1 ID : **264330432565**
Option 2 ID : **264330432568**
Option 3 ID : **264330432567**
Option 4 ID : **264330432566**
Status : **Answered**
Chosen Option : **3**

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Q.16 महिलाओं को स्व-रोजगार के अवसर प्रदान करके उन्हें आत्मनिर्भर और स्वतंत्र बनने का अवसर प्रदान करने हेतु, MSME मंत्रालय द्वारा 2022 में एक पहल शुरू की गई है, जिसके तहत मंत्रालय की कौशल विकास योजनाओं के तहत आयोजित मुफ्त कौशल विकास कार्यक्रमों में 20% सीटें महिलाओं को प्रदान की जाएंगी। इस पहल को पहचानें।

Ans
✗ 1. संभव (SAMBHAV)
✓ 2. समर्थ (SAMARTH)
✗ 3. संवेदना (SAMVEDNA)
✗ 4. सक्षम (SAKSHAM)

Question ID : **264330156921**
Option 1 ID : **264330615060**
Option 2 ID : **264330615059**
Option 3 ID : **264330615062**
Option 4 ID : **264330615061**
Status : **Answered**
Chosen Option : **4**

Q.17 **In India, who among the following is in charge of regulating the money supply?**

Ans
✓ 1. Reserve Bank of India
✗ 2. State bank of India
✗ 3. Indian government
✗ 4. Planning Commission

Question ID : **264330144414**
Option 1 ID : **264330565914**
Option 2 ID : **264330565911**
Option 3 ID : **264330565912**
Option 4 ID : **264330565913**
Status : **Answered**
Chosen Option : **1**

Q.18 **What device did John Ambrose Fleming invented in 1904 that helped make radio, television, telephone and even early electronic computers possible?**

Ans
✗ 1. Voltaic pile
✓ 2. Oscillation valve
✗ 3. Point-contact transistor
✗ 4. Electrodynamometer

Question ID : **264330141672**
Option 1 ID : **264330555009**
Option 2 ID : **264330555008**
Option 3 ID : **264330555007**
Option 4 ID : **264330555010**
Status : **Not Answered**
Chosen Option : **--**

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Q.19 **In email, what does the acronym 'CC' stand for?**

Ans
✗ 1. Content copy
✗ 2. Check copy
✗ 3. Communication channel
✓ 4. Carbon copy

Question ID : **264330168571**
Option 1 ID : **264330661097**
Option 2 ID : **264330661098**
Option 3 ID : **264330661096**
Option 4 ID : **264330661095**
Status : **Answered**
Chosen Option : **3**

Q.20 **ब्रह्मपुत्र जब भारत के अरुणाचल प्रदेश में प्रवेश करती है, तब इसे _____ कहा जाता है।**

Ans
✗ 1. जमुना
✓ 2. दिहांग
✗ 3. लोहित
✗ 4. त्सांग पो

Question ID : **264330119235**
Option 1 ID : **264330467227**
Option 2 ID : **264330467228**
Option 3 ID : **264330467229**
Option 4 ID : **264330467230**
Status : **Answered**
Chosen Option : **2**

Q.21 **Which of the following is the most reactive metal?**

Ans
✗ 1. Iron
✗ 2. Gold
✗ 3. Magnesium
✓ 4. Sodium

Question ID : **264330131682**
Option 1 ID : **264330515828**
Option 2 ID : **264330515827**
Option 3 ID : **264330515830**
Option 4 ID : **264330515829**
Status : **Answered**
Chosen Option : **4**

Q.22 **Water silk, mermaid's tresses and blanket weed are other names of:**

Ans
✗ 1. volvox
✗ 2. ulothrix
✓ 3. spirogyra
✗ 4. chlorella

Question ID : **264330109910**
Option 1 ID : **264330431919**
Option 2 ID : **264330431920**
Option 3 ID : **264330431918**
Option 4 ID : **264330431917**
Status : **Not Answered**
Chosen Option : **--**

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Q.23 भारत के संविधान का निम्नलिखित में से कौन-सा अनुच्छेद, निवारक निरोध कानून के तहत गिरफ्तार या निरुद्ध किए गए व्यक्तियों को संरक्षण प्रदान करता है?

Ans
✗ 1. अनुच्छेद 25
✓ 2. अनुच्छेद 22
✗ 3. अनुच्छेद 26
✗ 4. अनुच्छेद 19

Question ID : **264330130449**
Option 1 ID : **264330510909**
Option 2 ID : **264330510908**
Option 3 ID : **264330510910**
Option 4 ID : **264330510907**
Status : **Answered**
Chosen Option : **3**

Q.24 Who stated that the elements' properties are a periodic function of their atomic weights?

Ans
✗ 1. Gregor Mendel
✗ 2. Archimedes
✗ 3. Henry Moseley
✓ 4. Dmitri Mendeleev

Question ID : **264330131107**
Option 1 ID : **264330513541**
Option 2 ID : **264330513539**
Option 3 ID : **264330513542**
Option 4 ID : **264330513540**
Status : **Answered**
Chosen Option : **3**

Q.25 प्रसिद्ध सरोद वादक - उस्ताद अमजद अली खान द्वारा सरोद को निम्नलिखित में से किस वाद्ययंत्र से लिया हुआ माना जाता है?

Ans
✓ 1. रबाब
✗ 2. तार
✗ 3. कमंचेह
✗ 4. तंबूर

Question ID : **26433071512**
Option 1 ID : **264330280472**
Option 2 ID : **264330280474**
Option 3 ID : **264330280473**
Option 4 ID : **264330280475**
Status : **Answered**
Chosen Option : **4**

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Q.26 केरल की नदियों के संदर्भ में निम्नलिखित में से कौन-से कथन सही हैं, उनकी पहचान करें।
1. केरल की सबसे लंबी नदी भरतपुझा (Bharathapuzha) अन्नामलाई पहाड़ियों के पास से निकलती है।
2. पेरियार केरल की दूसरी सबसे बड़ी नदी है।
3. केरल की पंबा (Pamba) नदी वेम्बनाड झील में गिरती है।

Ans
✗ 1. केवल 1 और 3
✗ 2. केवल 1 और 2
✓ 3. 1, 2 और 3
✗ 4. केवल 2 और 3

Question ID : **264330121489**
Option 1 ID : **264330476140**
Option 2 ID : **264330476141**
Option 3 ID : **264330476142**
Option 4 ID : **264330476139**
Status : **Answered**
Chosen Option : **3**

Q.27 Who is the President of Internet and Mobile Association of India?

Ans
✗ 1. L Murugan
✗ 2. Ritika Singh Verma
✗ 3. Sukant Vatsa
✓ 4. Subho Ray

Question ID : **264330156959**
Option 1 ID : **264330615213**
Option 2 ID : **264330615214**
Option 3 ID : **264330615211**
Option 4 ID : **264330615212**
Status : **Not Answered**
Chosen Option : **--**

Q.28 Which of the following statements about saccharin is correct?

Ans
✓ 1. It is used as an artificial sweetener for diabetic patients.
✗ 2. It is prepared from glucose.
✗ 3. It is natural sugar.
✗ 4. It is a high energy compound like fat.

Question ID : **264330120049**
Option 1 ID : **264330470452**
Option 2 ID : **264330470453**
Option 3 ID : **264330470451**
Option 4 ID : **264330470454**
Status : **Answered**
Chosen Option : **1**

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Q.29 **In Bihar, which of the following dance is performed to please the god of rain, Indra for good rain and good crop?**

Ans
✗ 1. Jat-Jatin
✗ 2. Jhumri
✓ 3. Jhijhiya
✗ 4. Phagua

Question ID : **26433090719**
Option 1 ID : **264330356300**
Option 2 ID : **264330356298**
Option 3 ID : **264330356299**
Option 4 ID : **264330356297**
Status : **Answered**
Chosen Option : **3**

Q.30 **The famous 'Hinglaj Mata' temple is situated in which of the following neighbouring countries of India?**

Ans
✗ 1. Afghanistan
✓ 2. Pakistan
✗ 3. Maldives
✗ 4. China

Question ID : **264330113307**
Option 1 ID : **264330445314**
Option 2 ID : **264330445316**
Option 3 ID : **264330445315**
Option 4 ID : **264330445313**
Status : **Answered**
Chosen Option : **2**

Q.31 **Which of the following pairs regarding the Judicial powers of the Indian President are INCORRECTLY matched?**

Ans
✓ 1. Remission – Lesser punishment in place of one original punishment
✗ 2. Reprieve – Stay on execution of a sentence for short period
✗ 3. Pardon – Removes the sentence and conviction
✗ 4. Commutation – Changes one form of punishment to another form

Question ID : **264330120158**
Option 1 ID : **264330470889**
Option 2 ID : **264330470890**
Option 3 ID : **264330470887**
Option 4 ID : **264330470888**
Status : **Answered**
Chosen Option : **4**

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Q.32 **According to the Multidimensional poverty index 2021, which of the following states has the lowest percentage of multidimensional poor?**

Ans
✗ 1. Goa
✗ 2. Punjab
✓ 3. Kerala
✗ 4. Gujarat

Question ID : **264330157100**
Option 1 ID : **264330615771**
Option 2 ID : **264330615773**
Option 3 ID : **264330615772**
Option 4 ID : **264330615774**
Status : **Answered**
Chosen Option : **3**

Q.33 **Which cryptographic technique uses a single key for both encryption and decryption of data?**

Ans
✗ 1. Hashing
✗ 2. Public-key encryption
✗ 3. Asymmetric encryption
✓ 4. Symmetric encryption

Question ID : **264330168586**
Option 1 ID : **264330661156**
Option 2 ID : **264330661158**
Option 3 ID : **264330661155**
Option 4 ID : **264330661157**
Status : **Not Answered**
Chosen Option : **--**

Q.34 **In February 2023, which retired Supreme Court Judge was appointed as the Governor of Andhra Pradesh?**

Ans
✗ 1. Justice P Sathasivam
✗ 2. Justice Ranjan Gogoi
✓ 3. Justice Syed Abdul Nazeer
✗ 4. Justice Fathima Beevi

Question ID : **264330137293**
Option 1 ID : **264330537799**
Option 2 ID : **264330537802**
Option 3 ID : **264330537800**
Option 4 ID : **264330537801**
Status : **Answered**
Chosen Option : **2**

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Q.35 **Approximately _____ of the India's population continued to be employed in agriculture till 1990.**

Ans
✔ 1. 65%
✘ 2. 45%
✘ 3. 57%
✘ 4. 50%

Question ID : **264330144391**
Option 1 ID : **264330565822**
Option 2 ID : **264330565819**
Option 3 ID : **264330565821**
Option 4 ID : **264330565820**
Status : **Not Answered**
Chosen Option : **--**

Q.36 **Which of the following publicises the data on poverty collected by NSO?**

Ans
✘ 1. Economic Survey
✘ 2. Reserve Bank of India
✘ 3. Economic Advisory Council
✔ 4. NITI Aayog

Question ID : **264330119821**
Option 1 ID : **264330469561**
Option 2 ID : **264330469560**
Option 3 ID : **264330469562**
Option 4 ID : **264330469559**
Status : **Answered**
Chosen Option : **4**

Q.37 **Manipuri, a recognised classical dance form of Manipur is a religious and spiritual dance involving which God/Goddess?**

Ans
✘ 1. Lord Natraj
✘ 2. Goddess Lakshmi
✔ 3. Lord Krishna - Radha
✘ 4. The Sun God

Question ID : **26433064802**
Option 1 ID : **264330253802**
Option 2 ID : **264330253801**
Option 3 ID : **264330253800**
Option 4 ID : **264330253803**
Status : **Not Answered**
Chosen Option : **--**

Q.38 **In October 2022 who was appointed as the presiding officer of the Unlawful Activities (Prevention) Act (UAPA) tribunal by the Central government?**

Ans
✘ 1. Justice TS Thakur
✘ 2. Justice UU Lalit
✔ 3. Justice Dinesh Kumar Sharma
✘ 4. Justice JS Khehar

Question ID : **264330137297**
Option 1 ID : **264330537817**
Option 2 ID : **264330537816**
Option 3 ID : **264330537815**
Option 4 ID : **264330537818**
Status : **Not Answered**
Chosen Option : **--**

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Q.39 रेशेदार फसलों के उस समूह की पहचान करें, जिनका भारत में बड़े पैमाने पर उत्पादन होता है?

Ans
✗ 1. चाय और कॉफी
✗ 2. चना और अरहर
✓ 3. जूट और कपास
✗ 4. गेहूँ और चावल

Question ID : **264330138060**
Option 1 ID : **264330540849**
Option 2 ID : **264330540848**
Option 3 ID : **264330540850**
Option 4 ID : **264330540847**
Status : **Answered**
Chosen Option : **3**

Q.40 **The Bengal Famine took a huge toll of life and was called as tragedy in unpreparedness. In which year did it occur?**

Ans
✗ 1. 1876
✗ 2. 1868
✓ 3. 1943
✗ 4. 1860

Question ID : **264330112164**
Option 1 ID : **264330440743**
Option 2 ID : **264330440742**
Option 3 ID : **264330440744**
Option 4 ID : **264330440741**
Status : **Not Answered**
Chosen Option : **--**

Q.41 महासागरीय तल को कितने भागों में बाँटा गया है?

Ans
✗ 1. तीन
✗ 2. एक
✓ 3. चार
✗ 4. दो

Question ID : **264330113361**
Option 1 ID : **264330445531**
Option 2 ID : **264330445529**
Option 3 ID : **264330445532**
Option 4 ID : **264330445530**
Status : **Answered**
Chosen Option : **3**

Q.42 **Water movement caused by meteorological effects (winds and atmospheric pressure changes) is referred to as:**

Ans
✗ 1. wave front
✗ 2. ocean front
✓ 3. surges
✗ 4. water front

Question ID : **264330131738**
Option 1 ID : **264330516051**
Option 2 ID : **264330516053**
Option 3 ID : **264330516052**
Option 4 ID : **264330516054**
Status : **Not Answered**
Chosen Option : **--**

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Q.43 Polysaccharides, proteins, nucleic acids and esters are known as _____.

Ans
✗ 1. secondary metabolites
✓ 2. primary metabolites
✗ 3. None of the above
✗ 4. both primary and secondary metabolites

Question ID : **264330111558**
Option 1 ID : **264330438318**
Option 2 ID : **264330438317**
Option 3 ID : **264330438320**
Option 4 ID : **264330438319**
Status : **Not Answered**
Chosen Option : **--**

Q.44 निम्नलिखित में से कौन-सा विकल्प, कॉलम-A के पोषी स्तर और कॉलम- B के दृष्टांतों के सही मिलान का निरूपण करता है?

कॉलम-A (पोषी स्तर का प्रकार)	कॉलम-B (दृष्टांत)
i. पहला पोषी स्तर	a. मानव
ii. दूसरा पोषी स्तर	b. पादप प्लवक
iii. तीसरा पोषी स्तर	c. प्राणि प्लवक
iv. चौथा पोषी स्तर	d. मछलियाँ

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

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Question ID : **264330112834**
Option 1 ID : **264330443424**
Option 2 ID : **264330443423**
Option 3 ID : **264330443422**
Option 4 ID : **264330443421**
Status : **Answered**
Chosen Option : **2**

Q.45 Which of the following planets is NOT one of the 4 outer planets?

Ans
✗ 1. Neptune
✓ 2. Mars
✗ 3. Jupiter
✗ 4. Saturn

Question ID : **26433086623**
Option 1 ID : **264330340136**
Option 2 ID : **264330340135**
Option 3 ID : **264330340133**
Option 4 ID : **264330340134**
Status : **Answered**
Chosen Option : **2**

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Q.46 What type of lens does the upper part of the bi-focal lens have?

Ans
✗ 1. Prism
✗ 2. Convex
✓ 3. Concave
✗ 4. Spherical

Question ID : **264330134854**
Option 1 ID : **264330528354**
Option 2 ID : **264330528352**
Option 3 ID : **264330528351**
Option 4 ID : **264330528353**
Status : **Answered**
Chosen Option : **2**

Q.47 Who founded the Indian League in 1875?

Ans
✗ 1. Anand Mohan Bose
✗ 2. Dada Bhai Naoroji
✗ 3. SN Banerjee
✓ 4. Sishir Kumar Ghosh

Question ID : **264330109046**
Option 1 ID : **264330428461**
Option 2 ID : **264330428464**
Option 3 ID : **264330428462**
Option 4 ID : **264330428463**
Status : **Not Answered**
Chosen Option : **--**

Q.48 In which year did Chola king Rajaraja I ascend the throne?

Ans
✗ 1. 988 C.E.
✓ 2. 985 C.E.
✗ 3. 983 C.E.
✗ 4. 980 C.E.

Question ID : **26433089870**
Option 1 ID : **264330352960**
Option 2 ID : **264330352957**
Option 3 ID : **264330352959**
Option 4 ID : **264330352958**
Status : **Not Answered**
Chosen Option : **--**

Q.49 Separate National Commission for Scheduled Castes and National Commission for Scheduled Tribes were established by the _____ Constitutional Amendment Act.

Ans
✗ 1. 92^{nd}
✓ 2. 89^{th}
✗ 3. 83^{rd}
✗ 4. 86^{th}

Question ID : **264330130464**
Option 1 ID : **264330510970**
Option 2 ID : **264330510969**
Option 3 ID : **264330510967**
Option 4 ID : **264330510968**
Status : **Answered**
Chosen Option : **4**

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Q.50 **Who annexed the Punjab State into British India as a result of the second Anglo-Sikh War?**

Ans
✗ 1. Lord Elgin
✓ 2. Lord Dalhousie
✗ 3. Lord Mayo
✗ 4. Lord Canning

Question ID : **264330109055**
Option 1 ID : **264330428500**
Option 2 ID : **264330428498**
Option 3 ID : **264330428499**
Option 4 ID : **264330428497**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Engineering Civil and Structural**

Q.1 **As per IS 456: 2000, the design bond stress τbd in limit state method for plain bars in tension for M40 grade of concrete is _____**

Ans
✗ 1. 1.7 N/mm^2
✗ 2. 1.5 N/mm^2
✗ 3. 1.2 N/mm^2
✓ 4. 1.9 N/mm^2

Question ID : **26433099435**
Option 1 ID : **264330390355**
Option 2 ID : **264330390354**
Option 3 ID : **264330390353**
Option 4 ID : **264330390356**
Status : **Answered**
Chosen Option : **4**

Q.2 **The law of flow of water through the soil was first studied by _____.**

Ans
✗ 1. Francis
✗ 2. Rankine
✓ 3. Darcy
✗ 4. Boussinesq

Question ID : **26433096819**
Option 1 ID : **264330380013**
Option 2 ID : **264330380016**
Option 3 ID : **264330380014**
Option 4 ID : **264330380015**
Status : **Answered**
Chosen Option : **3**

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Q.3 प्रकाष्ठ की सुरक्षा के लिए ढलान वाले प्रकाष्ठ रूफ ट्रस के निर्माण के दौरान, निम्नलिखित में से क्या आवश्यक है?

Ans
✗ 1. प्राइमर का एक कोट
✗ 2. कोई प्राइमिंग और पेंटिंग नहीं
✓ 3. प्राइमर के ऊपर पेंट के दो कोट
✗ 4. पेंट का एक कोट

Question ID : **26433099386**
Option 1 ID : **264330390158**
Option 2 ID : **264330390157**
Option 3 ID : **264330390160**
Option 4 ID : **264330390159**
Status : **Answered**
Chosen Option : **1**

Q.4 **After compacting the subgrade, by suitable methods, the tests to ensure that the desired compaction has been achieved is/are:**

Ans
✗ 1. consolidation test
✓ 2. moisture content and field density determination test
✗ 3. compaction test and triaxial shear test
✗ 4. direct shear test

Question ID : **26433086533**
Option 1 ID : **264330339773**
Option 2 ID : **264330339776**
Option 3 ID : **264330339774**
Option 4 ID : **264330339775**
Status : **Answered**
Chosen Option : **3**

Q.5 **During a levelling survey, the backsight of A was found greater than the foresight reading at point B. Which of the following is correct?**

Ans
✗ 1. Height of instrument is required to know which point is higher.
✗ 2. Elevation of A is more than that of B.
✓ 3. Elevation of B is more than that of A.
✗ 4. Either A or B can have higher elevation.

Question ID : **264330100666**
Option 1 ID : **264330395211**
Option 2 ID : **264330395209**
Option 3 ID : **264330395210**
Option 4 ID : **264330395212**
Status : **Answered**
Chosen Option : **3**

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Q.6 **As per IS 800: 2007, which of the following statements is correct regarding the maximum slenderness ratio?**

Ans

✗ 1. The maximum slenderness ratio of a member carrying compressive loads resulting from dead load and imposed loads should not exceed 200.

✗ 2. The maximum slenderness ratio of a member carrying compressive loads resulting from dead load and imposed loads should not exceed 250.

✓ 3. The maximum slenderness ratio of a member carrying compressive loads resulting from dead load and imposed loads should not exceed 180.

✗ 4. The maximum slenderness ratio of a member carrying compressive loads resulting from dead load and imposed loads should not exceed 350.

Question ID : **264330159685**
Option 1 ID : **264330626100**
Option 2 ID : **264330626101**
Option 3 ID : **264330626099**
Option 4 ID : **264330626102**
Status : **Answered**
Chosen Option : **3**

Q.7 **Venturi meter is an application of Bernoulli's equation. Its basic principle also depends on the Bernoulli equation, which is _____.**

Ans

✗ 1. both velocity of moving fluid and pressure within fluid constant

✗ 2. pressure within the fluid increases and velocity of moving fluid increase

✓ 3. velocity of a moving fluid increases and the pressure within the fluid decreases

✗ 4. both velocity of moving fluid and pressure within fluid increases

Question ID : **26433091057**
Option 1 ID : **264330357639**
Option 2 ID : **264330357637**
Option 3 ID : **264330357638**
Option 4 ID : **264330357640**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.8 **Which of the given options is NOT recommended as a desirable property of the transporting truck used for collection of municipal solid waste?**

Ans

✓ 1. Sharp corners and edges

✗ 2. Made of stainless steel

✗ 3. Water-tightness

✗ 4. Strength and durability

Question ID : **26433099408**
Option 1 ID : **264330390246**
Option 2 ID : **264330390245**
Option 3 ID : **264330390247**
Option 4 ID : **264330390248**
Status : **Answered**
Chosen Option : **1**

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Q.9 **Soon before the passing of the Air Pollution Control Act, 1981 in India, an institute called NEERI had conducted a survey of the prevailing air quality in 9 major cities of India. Which of the following cities had SO_2 concentration exceeding the maximum tolerable value of 80 µg/m^3 ?**

Ans
✗ 1. New Delhi
✓ 2. Kolkata
✗ 3. Hyderabad
✗ 4. Ahmedabad

Question ID : **26433099486**
Option 1 ID : **264330390559**
Option 2 ID : **264330390560**
Option 3 ID : **264330390558**
Option 4 ID : **264330390557**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **Which of the following statements is INCORRECT?**

Ans
✗ 1. Electrostatic precipitators can collect dry or wet particulates.
✓ 2. Collection efficiency of the cyclone collector is high for smaller particles.
✗ 3. Electrostatic precipitators are widely used in thermal power plants.
✗ 4. Bag filters work on the principle of interception and electrostatic attraction.

Question ID : **264330160685**
Option 1 ID : **264330630074**
Option 2 ID : **264330630072**
Option 3 ID : **264330630071**
Option 4 ID : **264330630073**
Status : **Answered**
Chosen Option : **1**

Q.11 **Pycnometer, wire mesh bucket and water are used to calculate which characteristic property of the coarse aggregate?**

Ans
✗ 1. Attrition
✗ 2. Crushing strength
✓ 3. Specific gravity
✗ 4. Impact value

Question ID : **264330100156**
Option 1 ID : **264330393200**
Option 2 ID : **264330393199**
Option 3 ID : **264330393198**
Option 4 ID : **264330393197**
Status : **Answered**
Chosen Option : **3**

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Q.12 बोर होल की संख्या और स्थिति _____ के आधार पर भिन्न होते हैं।

Ans
✗ 1. भू-सतह
✗ 2. वायुमंडल
✗ 3. भू-जल
✓ 4. अधोमृदा की स्थिति

Question ID : **26433096815**
Option 1 ID : **264330379998**
Option 2 ID : **264330379997**
Option 3 ID : **264330380000**
Option 4 ID : **264330379999**
Status : **Answered**
Chosen Option : **3**

Q.13 **Bamboo is commonly used in the construction of scaffoldings, bridges and structures due to its:**
i) Strong fibre content
ii) Elasticity
iii) Tensile strength

Ans
✗ 1. Only (i) is correct.
✗ 2. Only (ii) is correct.
✗ 3. (i) and (iii) are correct.
✓ 4. All of (i), (ii) and (iii) are correct.

Question ID : **26433099481**
Option 1 ID : **264330390537**
Option 2 ID : **264330390538**
Option 3 ID : **264330390539**
Option 4 ID : **264330390540**
Status : **Answered**
Chosen Option : **4**

Q.14 **Which of the following types of signs are used for place identification and route marking?**

Ans
✓ 1. Informatory signs
✗ 2. Warning signs
✗ 3. Prohibitory signs
✗ 4. Regulatory signs

Question ID : **264330157180**
Option 1 ID : **264330616084**
Option 2 ID : **264330616085**
Option 3 ID : **264330616086**
Option 4 ID : **264330616083**
Status : **Answered**
Chosen Option : **1**

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Q.15 **In general shear failure, continuous failure is developed between _____.**

Ans
✔ 1. edge of the footing and ground surface
✘ 2. foundation and ground surface
✘ 3. soil and failure surface
✘ 4. ground surface and the footing

Question ID : **26433096832**
Option 1 ID : **264330380066**
Option 2 ID : **264330380065**
Option 3 ID : **264330380068**
Option 4 ID : **264330380067**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **The length of the horizontal transition curve based on the allowable rate change of centrifugal acceleration is 48 m, and based on the rate of introduction of super-elevation is 40 m, and based on the empirical formula, recommended by IRC is 45 m. What will be the shift in the transition curve? Take the radius of the curve as 200 m.**

Ans
✘ 1. 0.33 m
✘ 2. 3.68 m
✘ 3. 0.42 m
✔ 4. 0.48 m

Question ID : **26433086524**
Option 1 ID : **264330339737**
Option 2 ID : **264330339739**
Option 3 ID : **264330339740**
Option 4 ID : **264330339738**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.**
Assertion: Social upliftment of the people in rural areas can be achieved by implementing proper irrigation practices.
Reason: Irrigation will create a lot of employment opportunities for rural people.

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

Question ID : **264330158548**
Option 1 ID : **264330621554**
Option 2 ID : **264330621552**
Option 3 ID : **264330621553**
Option 4 ID : **264330621551**
Status : **Answered**
Chosen Option : **4**

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Q.18 **Which of the following methods is used for measuring earthwork?**

Ans

✗ 1. Volume shall be worked out to nearest to 0.02 m^3

✓ 2. Area and volume shall be nearest worked out to 0.01 m^2 and 0.01 m^3

✗ 3. The area shall be worked out to nearest to 0.02 m^2

✗ 4. Area and volume shall be worked out to nearest to 0.03 m and 0.03 m

Question ID : **264330159813**
Option 1 ID : **264330626601**
Option 2 ID : **264330626599**
Option 3 ID : **264330626602**
Option 4 ID : **264330626600**
Status : **Answered**
Chosen Option : **2**

Q.19 **The angle of intersection of two straights is 120°. Find the ratio of the length of long chord to the tangent length.**

Ans

✓ 1. $\sqrt{3}$

✗ 2. 0.866

✗ 3. $1/\sqrt{3}$

✗ 4. 1

Question ID : **264330122662**
Option 1 ID : **264330480760**
Option 2 ID : **264330480759**
Option 3 ID : **264330480762**
Option 4 ID : **264330480761**
Status : **Answered**
Chosen Option : **2**

Q.20 **The roof of a room was considered as the BM. Inverted staff reading on this BM was 3.500 m. The staff reading of point P on the ground was 1.200 m. Find the RL of point P, if the RL of the bench mark is 100 m.**

Ans

✗ 1. 102.3 m

✗ 2. 104.7 m

✓ 3. 95.3 m

✗ 4. 97.7 m

Question ID : **264330100673**
Option 1 ID : **264330395237**
Option 2 ID : **264330395240**
Option 3 ID : **264330395239**
Option 4 ID : **264330395238**
Status : **Answered**
Chosen Option : **3**

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Q.21 **A centrifugal pump with the impeller diameter of 125 mm delivers a power of 10 hp. If the impeller diameter is changed to 250 mm, what will be the power delivered by the pump if other parameters are kept constant?**

Ans
✗ 1. 120 hp
✓ 2. 40 hp
✗ 3. 80 hp
✗ 4. 100 hp

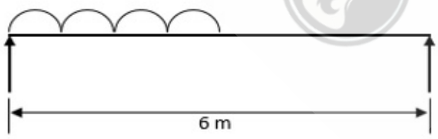
Question ID : **264330158965**
Option 1 ID : **264330623221**
Option 2 ID : **264330623220**
Option 3 ID : **264330623222**
Option 4 ID : **264330623219**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **2 litres of an oil weigh 16 N. Calculate the specific gravity of the oil. Consider the density of water to be 998 kg/m^3.**

Ans
✗ 1. 0.846
✗ 2. 0.786
✗ 3. 0.856
✓ 4. 0.816

Question ID : **264330158994**
Option 1 ID : **264330623338**
Option 2 ID : **264330623336**
Option 3 ID : **264330623337**
Option 4 ID : **264330623335**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.23 Find the support reactions acting on the given simply supported beam of length 6 m, which is subjected to a uniformly distributed load of intensity 20 kN/m on the left half span as shown in the diagram.



Ans
✓ 1. 45 kN (left), 15 kN (right)
✗ 2. −20 kN (left), 80 kN (right)
✗ 3. 15 kN (left), 45 kN (right)
✗ 4. 30 kN (left), 30 kN (right)

Question ID : **26433099371**
Option 1 ID : **264330390098**
Option 2 ID : **264330390100**
Option 3 ID : **264330390097**
Option 4 ID : **264330390099**
Status : **Answered**
Chosen Option : **1**

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Q.24 **If a curve setup on a highway has a deflection angle of 120° between its tangents and a versine distance of 225 m, then the sharpness of the curve subtended by an arc of length 30 m will be _____.**

Ans
✗ 1. 6°
✓ 2. 4°
✗ 3. 3°
✗ 4. 5°

Question ID : **264330160619**
Option 1 ID : **264330629810**
Option 2 ID : **264330629808**
Option 3 ID : **264330629807**
Option 4 ID : **264330629809**
Status : **Not Answered**
Chosen Option : **--**

Q.25 **The Department of Environment (DOE) method is basically used for which of the following purposes?**
(i) Concrete mix design
(ii) Road mix design
(iii) Mix Design with pulverized fuel ash
(iv) Mix Design with GGBFS

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

Question ID : **264330100167**
Option 1 ID : **264330393244**
Option 2 ID : **264330393241**
Option 3 ID : **264330393243**
Option 4 ID : **264330393242**
Status : **Not Answered**
Chosen Option : **--**

Q.26 **The design criterion for laterally supported steel beams with respect to crippling recommends that the maximum permissible bearing stress should NOT exceed _____ times of the yield stress of steel (f_y).**

Ans
✗ 1. 0.80
✗ 2. 0.66
✗ 3. 0.40
✓ 4. 0.75

Question ID : **264330159690**
Option 1 ID : **264330626122**
Option 2 ID : **264330626120**
Option 3 ID : **264330626119**
Option 4 ID : **264330626121**
Status : **Answered**
Chosen Option : **4**

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Q.27 **Which of the following statements regarding characteristics of contour lines is INCORRECT?**

Ans
✗ 1. Contour lines of different elevations can unite to form one line only in the case of vertical cliff.
✗ 2. Contour lines of different elevations cannot cross each other.
✓ 3. Contour lines of different elevations cannot intersect.
✗ 4. Contour lines close to one another indicate a steep slope.

Question ID : **264330159321**
Option 1 ID : **264330624645**
Option 2 ID : **264330624643**
Option 3 ID : **264330624644**
Option 4 ID : **264330624646**
Status : **Answered**
Chosen Option : **1**

Q.28 **Which of the following options is NOT considered as a component of the 3R principles of municipal solid waste management?**

Ans
✗ 1. Reuse
✗ 2. Recycle
✗ 3. Reduce
✓ 4. Recover

Question ID : **26433095925**
Option 1 ID : **264330376469**
Option 2 ID : **264330376471**
Option 3 ID : **264330376472**
Option 4 ID : **264330376470**
Status : **Answered**
Chosen Option : **4**

Q.29 **Which of the following is/are NOT the characteristic of traffic actuated signals?**
i.It is costly.
ii.The cycle time changes as per traffic demand.
iii.The cycle time changes as per the time of the day.
iv.Computers and detectors are used to operate this signal.

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

Question ID : **26433091108**
Option 1 ID : **264330357841**
Option 2 ID : **264330357842**
Option 3 ID : **264330357844**
Option 4 ID : **264330357843**
Status : **Answered**
Chosen Option : **3**

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Q.30 The formula for specific gravity of fine aggregates as per IS 2386 (part 3) 1963,using the pycnometer is by the following: Specific gravity = $\frac{W2 - W1}{(W2 - W1) - (W3 - W4)}$

Where,

W1 = Empty weight of pycnometer
W2 = Weight of pycnometer + sample
W3 = Weight of pycnometer + sample water
W4 = Weight of pycnometer + water

Ans
✔ 1. Correct
✘ 2. Incorrect
✘ 3. Partially correct
✘ 4. Partially incorrect

Question ID : **264330100160**
Option 1 ID : **264330393214**
Option 2 ID : **264330393216**
Option 3 ID : **264330393213**
Option 4 ID : **264330393215**
Status : **Answered**
Chosen Option : **3**

Q.31 **The optimum water content (OWC) is the moisture content at which the soil attains _____.**

Ans
✘ 1. maximum water content
✘ 2. minimum dry density
✘ 3. fully saturated density
✔ 4. maximum dry density

Question ID : **26433099823**
Option 1 ID : **264330391891**
Option 2 ID : **264330391889**
Option 3 ID : **264330391892**
Option 4 ID : **264330391890**
Status : **Answered**
Chosen Option : **4**

Q.32 **In the relation Δ = 8.64 B/D, if D is the duty in hectare/cumec and B is the number of days of base period, then Δ is the _____.**

Ans
✔ 1. depth of water in m
✘ 2. depth of water in cm
✘ 3. duty in m
✘ 4. rotation period

Question ID : **26433099451**
Option 1 ID : **264330390419**
Option 2 ID : **264330390417**
Option 3 ID : **264330390418**
Option 4 ID : **264330390420**
Status : **Answered**
Chosen Option : **1**

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Q.33 **A trapezoidal section is of depth 'y', base 'B' and side slope 'Z'. Find the wetted perimeter of the trapezoidal section.**

Ans

✗ 1. $B + y(1 + Z^2)^{1/2}$

✗ 2. $2y(1 + Z^2)^{1/2}$

✗ 3. $y(1 + Z^2)^{1/2}$

✓ 4. $B + 2y(1 + Z^2)^{1/2}$

Question ID : **264330162660**
Option 1 ID : **264330637960**
Option 2 ID : **264330637962**
Option 3 ID : **264330637959**
Option 4 ID : **264330637961**
Status : **Answered**
Chosen Option : **4**

Q.34 **Side face reinforcement is PROVIDED in a beam when the depth of the web exceeds _____ mm**

Ans

✗ 1. 300

✓ 2. 750

✗ 3. 250

✗ 4. 150

Question ID : **26433099428**
Option 1 ID : **264330390327**
Option 2 ID : **264330390328**
Option 3 ID : **264330390326**
Option 4 ID : **264330390325**
Status : **Answered**
Chosen Option : **2**

Q.35 **Which of the following types of cement gives 1-day strength that is equal to the 3-day strength of OPC with the same water content?**

Ans

✗ 1. Portland slag cement

✗ 2. Portland pozzolana cement

✗ 3. Ordinary Portland cement

✓ 4. Rapid hardening Portland cement

Question ID : **264330160746**
Option 1 ID : **264330630317**
Option 2 ID : **264330630315**
Option 3 ID : **264330630318**
Option 4 ID : **264330630316**
Status : **Answered**
Chosen Option : **2**

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Q.36 **If a liquid enters a pipe of diameter 'd' with velocity 'v', then what will be its velocity at the exit if the diameter of the pipe reduces to 0.5d?**

Ans

✗ 1. 0.5v

✗ 2. 2v

✓ 3. 4v

✗ 4. v

Question ID : **264330158951**
Option 1 ID : **264330623164**
Option 2 ID : **264330623165**
Option 3 ID : **264330623166**
Option 4 ID : **264330623163**
Status : **Not Answered**
Chosen Option : **--**

Q.37 **A road has a design speed of 20 m/s and the radius of the horizontal curve is equal to 250 m. Design the super-elevation that is needed on this road, with lateral friction coefficient value of 0.15. (Take g = 10 m/s^2.)**

Ans

✗ 1. 0.16

✗ 2. 0.22

✗ 3. 0.09

✓ 4. 0.07

Question ID : **26433091097**
Option 1 ID : **264330357797**
Option 2 ID : **264330357800**
Option 3 ID : **264330357798**
Option 4 ID : **264330357799**
Status : **Answered**
Chosen Option : **4**

Q.38 **Due to the presence of _____, the cement derives the characteristic grey colour.**

Ans

✓ 1. iron oxide

✗ 2. gypsum

✗ 3. silica

✗ 4. magnesia

Question ID : **264330157842**
Option 1 ID : **264330618728**
Option 2 ID : **264330618730**
Option 3 ID : **264330618727**
Option 4 ID : **264330618729**
Status : **Answered**
Chosen Option : **4**

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Q.39 **Among the following, the correct sequence of WBM construction will be:**
i. Preparation of subgrade
ii. Spreading of Coarse aggregates
iii. Application of binding material
iv. Application of screenings
v. Provision of lateral confinement

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

Question ID : **26433086535**
Option 1 ID : **264330339782**
Option 2 ID : **264330339783**
Option 3 ID : **264330339781**
Option 4 ID : **264330339784**
Status : **Answered**
Chosen Option : **1**

Q.40 **Select the anthropogenic source of air pollution from the given options.**

Ans
✓ 1. Burning of fossil fuels
✗ 2. Dust storms
✗ 3. Volcanoes
✗ 4. Forest fires

Question ID : **26433095911**
Option 1 ID : **264330376415**
Option 2 ID : **264330376414**
Option 3 ID : **264330376413**
Option 4 ID : **264330376416**
Status : **Not Answered**
Chosen Option : **--**

Q.41 **A revised estimate is prepared:**

Ans
✗ 1. when there is material deviation of structured nature
✗ 2. when the sanctioned estimate is likely to exceed more than 5%, with important structural alterations
✗ 3. when the expenditure of the work exceeds 20% of the administrative approval
✓ 4. when the sanctioned estimate is likely to exceed more than 5%, without structural alteration

Question ID : **26433091128**
Option 1 ID : **264330357924**
Option 2 ID : **264330357922**
Option 3 ID : **264330357923**
Option 4 ID : **264330357921**
Status : **Answered**
Chosen Option : **4**

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Q.42 **Calculate the charges for a truck (diesel) to transport material for 8 hours in a day with a rate of ₹200/hour.**

Ans

✗ 1. ₹1,500

✗ 2. ₹1,000

✓ 3. ₹1,600

✗ 4. ₹2,000

Question ID : **264330167537**
Option 1 ID : **264330657119**
Option 2 ID : **264330657121**
Option 3 ID : **264330657122**
Option 4 ID : **264330657120**
Status : **Answered**
Chosen Option : **3**

Q.43 **According to IS 456:2000, for a cantilever beam the effective length of the cantilever shall be taken as:**

Ans

✓ 1. clear span of the beam + half the effective depth

✗ 2. clear span of the beam + half the width of the support

✗ 3. clear span of the beam + width of the support

✗ 4. clear span of the beam + effective depth

Question ID : **264330100801**
Option 1 ID : **264330395749**
Option 2 ID : **264330395751**
Option 3 ID : **264330395752**
Option 4 ID : **264330395750**
Status : **Answered**
Chosen Option : **1**

Q.44 **As per IS 456:2000, in the case of columns of minimum dimension of 200 mm or under, whose reinforcing bars do NOT exceed 12 mm, the nominal cover used is _____.**

Ans

✗ 1. 40 mm

✓ 2. 25 mm

✗ 3. 20 mm

✗ 4. 50 mm

Question ID : **264330100810**
Option 1 ID : **264330395785**
Option 2 ID : **264330395786**
Option 3 ID : **264330395787**
Option 4 ID : **264330395788**
Status : **Answered**
Chosen Option : **2**

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Q.45 **In case of welded connection in steel structures, during welding, a defect is caused by coating of the parent metal with a foreign matter and because the groove is not kept clean. This defect is known as:**

Ans

✗ 1. incomplete penetration

✗ 2. overlap

✗ 3. slag inclusion

✓ 4. lack of fusion

Question ID : **264330159699**
Option 1 ID : **264330626158**
Option 2 ID : **264330626155**
Option 3 ID : **264330626157**
Option 4 ID : **264330626156**
Status : **Not Answered**
Chosen Option : **--**

Q.46 Find the discharge of water flowing over a rectangular notch of length 1 m when the constant head over the notch is 100 mm. Take $C_D = 0.60$. Given $\sqrt{2g} = 4.43$.

Ans

✗ 1. 62 litres/sec

✓ 2. 56.8 litres/sec

✗ 3. 48.5 litres/sec

✗ 4. 52.8 litres/sec

Question ID : **264330162659**
Option 1 ID : **264330637956**
Option 2 ID : **264330637955**
Option 3 ID : **264330637957**
Option 4 ID : **264330637958**
Status : **Not Answered**
Chosen Option : **--**

Q.47 **_____ is a type of scale on which three successive dimensions can be measured.**

Ans

✗ 1. Vernier scale

✗ 2. Engineer's scale

✓ 3. Diagonal scale

✗ 4. Scale of chords

Question ID : **264330159307**
Option 1 ID : **264330624589**
Option 2 ID : **264330624587**
Option 3 ID : **264330624588**
Option 4 ID : **264330624590**
Status : **Answered**
Chosen Option : **1**

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Q.48 Which of the following types of pumps can give discharge even at a high pressure?

Ans
✗ 1. Mono-block pumps
✗ 2. Multistage pumps
✗ 3. Single-stage pumps
✓ 4. Rotary pumps

Question ID : **264330158971**
Option 1 ID : **264330623244**
Option 2 ID : **264330623243**
Option 3 ID : **264330623246**
Option 4 ID : **264330623245**
Status : **Answered**
Chosen Option : **4**

Q.49 Which of the following is a rain gauge adopted as the standard recording type rain gauge in India? Its details are described in IS: 5253-1969.

Ans
✗ 1. Weighing-bucket type rain gauge
✗ 2. Tipping-bucket type rain gauge
✓ 3. Natural syphon or Float type rain gauge
✗ 4. Tipping & weighing rain gauge

Question ID : **264330160581**
Option 1 ID : **264330629656**
Option 2 ID : **264330629655**
Option 3 ID : **264330629657**
Option 4 ID : **264330629658**
Status : **Answered**
Chosen Option : **4**

Q.50 An isolated footing of RCC is supporting a pedestal. The critical section for the bending moment should be chosen at:

Ans
✓ 1. at the face of the column
✗ 2. halfway between the centre line and the edge
✗ 3. a distance equal to half the depth of the column from the face of the column
✗ 4. a distance equal to the depth of the column from the face of the column

Question ID : **264330159664**
Option 1 ID : **264330626016**
Option 2 ID : **264330626017**
Option 3 ID : **264330626018**
Option 4 ID : **264330626015**
Status : **Answered**
Chosen Option : **3**

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Q.51 A semicircular lamina has radius R and diameter D. Determine the moment of inertia about the diametrical axis as shown below?

Ans

✔ 1. $\frac{\pi R^4}{8}$

✘ 2. $\frac{\pi D^4}{32}$

✘ 3. $\frac{\pi R^4}{16}$

✘ 4. $\frac{\pi D^4}{64}$

Question ID : **26433088031**
Option 1 ID : **264330345739**
Option 2 ID : **264330345738**
Option 3 ID : **264330345740**
Option 4 ID : **264330345737**
Status : **Not Answered**
Chosen Option : **--**

Q.52 **Consider width of road 7.2 m and pedestrian speed of 1.2 m/s, find the green time for pedestrian. Consider initial walk time as 7 s.**

Ans

✘ 1. 14 s

✘ 2. 6 s

✔ 3. 13 s

✘ 4. 26 s

Question ID : **26433086554**
Option 1 ID : **264330339860**
Option 2 ID : **264330339859**
Option 3 ID : **264330339857**
Option 4 ID : **264330339858**
Status : **Answered**
Chosen Option : **3**

Q.53 **For an RCC beam of width 230 mm and effective depth 300 mm subjected to a shear force of 69 kN due to design loads, what will be the nominal shear stress in the beam?**

Ans

✘ 1. 0.1 N/mm^2

✘ 2. 0.01 N/mm^2

✔ 3. 1 N/mm^2

✘ 4. 10 N/mm^2

Question ID : **264330100807**
Option 1 ID : **264330395776**
Option 2 ID : **264330395775**
Option 3 ID : **264330395773**
Option 4 ID : **264330395774**
Status : **Not Answered**
Chosen Option : **--**

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Q.54 **Experimental water absorption tests are done on fine aggregates to find the:**
(i) Water holding capacity
(ii) Strength of material
(iii) Quality of material
(iv) Shape of aggregates

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

Question ID : **264330100161**
Option 1 ID : **264330393219**
Option 2 ID : **264330393220**
Option 3 ID : **264330393217**
Option 4 ID : **264330393218**
Status : **Answered**
Chosen Option : **2**

Q.55 **Which of the following statements is INCORRECT regarding the fineness of cement?**

Ans
✗ 1. Increase in the fineness of cement increases the drying shrinkage of concrete.
✓ 2. The unit of the fineness of cement is cm^3/kg.
✗ 3. The specific surface of cement can be determined by using an air permeability apparatus.
✗ 4. The fineness of cement can be tested by determination of the specific surface of cement.

Question ID : **264330157680**
Option 1 ID : **264330618082**
Option 2 ID : **264330618081**
Option 3 ID : **264330618080**
Option 4 ID : **264330618079**
Status : **Answered**
Chosen Option : **3**

Q.56 **If a person studies about a fluid which is at rest, the study is called:**

Ans
✓ 1. fluid statics
✗ 2. fluid kinematics
✗ 3. fluid mechanics
✗ 4. fluid dynamics

Question ID : **264330158985**
Option 1 ID : **264330623301**
Option 2 ID : **264330623302**
Option 3 ID : **264330623300**
Option 4 ID : **264330623299**
Status : **Answered**
Chosen Option : **1**

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Q.57 **Which of the following methods of quarrying is suitable for quarrying small, thin and regular blocks of stones from rocks such as granite and gneiss?**

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

Question ID : **264330157871**
Option 1 ID : **264330618844**
Option 2 ID : **264330618843**
Option 3 ID : **264330618845**
Option 4 ID : **264330618846**
Status : **Answered**
Chosen Option : **2**

Q.58 **Some steps related to collection of municipal solid waste have been mentioned below.**
A. Collection by sweepers in small hand driven carts.
B. Dumping into masonry chambers constructed along roadsides.
C. Collection in small containers in individual houses.
D. Collection into municipal trucks.
What is the correct sequence of the conventional system of collection of municipal solid waste, as per Indian scenario from start to end?

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

Question ID : **26433095927**
Option 1 ID : **264330376480**
Option 2 ID : **264330376478**
Option 3 ID : **264330376479**
Option 4 ID : **264330376477**
Status : **Not Answered**
Chosen Option : **--**

Q.59 **Which of the following is an adsorption unit used for controlling gaseous pollutants in industries?**

Ans
✓ 1. Activated carbon unit
✗ 2. Venturi scrubber
✗ 3. Plate tower
✗ 4. Spray tower

Question ID : **264330160682**
Option 1 ID : **264330630059**
Option 2 ID : **264330630061**
Option 3 ID : **264330630062**
Option 4 ID : **264330630060**
Status : **Answered**
Chosen Option : **2**

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Q.60 Which of the following is defined as the area of a building measured at floor level?

Ans
✗ 1. Circulation area
✗ 2. Floor area
✓ 3. Plinth area
✗ 4. Carpet area

Question ID : **264330159807**
Option 1 ID : **264330626575**
Option 2 ID : **264330626577**
Option 3 ID : **264330626576**
Option 4 ID : **264330626578**
Status : **Not Answered**
Chosen Option : **--**

Q.61 The length of a long wall in the long and short wall method of estimation is centre to centre distance between the walls and _____.

Ans
✓ 1. half of its width on each side
✗ 2. one-fourth width of wall on each side
✗ 3. one-third width of wall on each side
✗ 4. width of the wall

Question ID : **264330159809**
Option 1 ID : **264330626585**
Option 2 ID : **264330626584**
Option 3 ID : **264330626583**
Option 4 ID : **264330626586**
Status : **Answered**
Chosen Option : **4**

Q.62 Calculate the total charges given to three labourers for their earthwork excavation, with them working from 9 a.m. to 6 p.m. with an hourly working charge of ₹50.

Ans
✗ 1. ₹500
✗ 2. ₹350
✓ 3. ₹1,350
✗ 4. ₹450

Question ID : **264330159846**
Option 1 ID : **264330626733**
Option 2 ID : **264330626734**
Option 3 ID : **264330626731**
Option 4 ID : **264330626732**
Status : **Answered**
Chosen Option : **3**

Q.63 _____ is a parameter that a total station usually does NOT measure.

Ans
✗ 1. Slope distance
✗ 2. Vertical angle
✗ 3. Horizontal angle
✓ 4. Horizontal distance

Question ID : **264330159305**
Option 1 ID : **264330624581**
Option 2 ID : **264330624580**
Option 3 ID : **264330624579**
Option 4 ID : **264330624582**
Status : **Answered**
Chosen Option : **1**

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Q.64 **For a closed traverse, the sum of latitudes is 4 m and the sum of departures is 3 m. The closing error for the traverse would be:**

Ans

✗ 1. 3 m

✗ 2. 7 m

✓ 3. 5 m

✗ 4. 4 m

Question ID : **264330122655**
Option 1 ID : **264330480734**
Option 2 ID : **264330480732**
Option 3 ID : **264330480733**
Option 4 ID : **264330480731**
Status : **Answered**
Chosen Option : **3**

Q.65 **The dry density decreases in cohesion less soil with an increase in water content due to which of the following reasons?**

Ans

✗ 1. Seepage

✗ 2. Specific gravity

✗ 3. Capillary rise

✓ 4. Bulking of sand

Question ID : **26433099822**
Option 1 ID : **264330391888**
Option 2 ID : **264330391887**
Option 3 ID : **264330391885**
Option 4 ID : **264330391886**
Status : **Answered**
Chosen Option : **4**

Q.66 **Allowable bearing capacity is defined as:**

Ans

✓ 1. net loading intensity at which neither shear failure nor settlement failure occurs in soil

✗ 2. net loading intensity at which soil just fails in shear

✗ 3. net ultimate bearing capacity / FOS

✗ 4. net safe bearing capacity + γDf

Question ID : **264330160332**
Option 1 ID : **264330628669**
Option 2 ID : **264330628670**
Option 3 ID : **264330628667**
Option 4 ID : **264330628668**
Status : **Answered**
Chosen Option : **4**

Q.67 **Which of the following is an INCORRECT statement related to the height of the instrument (HI) used in levelling?**

Ans

✓ 1. The value of HI never changes after recording back sights.

✗ 2. The value of HI never changes while recording intermediate sights.

✗ 3. The value of HI never changes while recording fore sights.

✗ 4. The value of HI generally changes before recording back sights.

Question ID : **264330160612**
Option 1 ID : **264330629782**
Option 2 ID : **264330629779**
Option 3 ID : **264330629780**
Option 4 ID : **264330629781**
Status : **Answered**
Chosen Option : **4**

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Q.68 **The lining like cement concrete, pre-cast cement concrete, etc. gives a smooth surface to the canal. Smoothness of the canal bed and the sides _____ the discharge of the canal and the duty of water.**

Ans
✗ 1. doesn't affect
✗ 2. reduces
✓ 3. enhances
✗ 4. neither reduces nor enhances

Question ID : **264330158558**
Option 1 ID : **264330621593**
Option 2 ID : **264330621591**
Option 3 ID : **264330621592**
Option 4 ID : **264330621594**
Status : **Answered**
Chosen Option : **3**

Q.69 **Which of the following problems are observed during the pouring of freshly prepared concrete in hot weather?**
(i) Rapid rate of hydration of cement
(ii) Quick setting and early stiffening
(iii) Greater plastic shrinkage
(iv) More finishing times

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

Question ID : **264330100172**
Option 1 ID : **264330393264**
Option 2 ID : **264330393263**
Option 3 ID : **264330393261**
Option 4 ID : **264330393262**
Status : **Answered**
Chosen Option : **2**

Q.70 **सिंचाई के अनेक लाभ हैं जैसे खाद्य उत्पादन में वृद्धि, क्षेत्र का विकास और लोगों का सामाजिक उत्थान। सिंचाई के हानिकारक प्रभावों में से एक _____ है।**

Ans
✗ 1. बाढ़ पर नियंत्रण
✗ 2. अकाल से सुरक्षा
✓ 3. मच्छरों का प्रजनन और मलेरिया की व्यापकता
✗ 4. शहरीकरण

Question ID : **264330158547**
Option 1 ID : **264330621549**
Option 2 ID : **264330621550**
Option 3 ID : **264330621548**
Option 4 ID : **264330621547**
Status : **Answered**
Chosen Option : **3**

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Q.71 **While using grading limits of the Zone-IV sand for mortars, what is the percentage of sand that should pass through a 600 μ IS sieve?**

Ans

✗ 1. 0% – 15%

✗ 2. 40% – 100%

✓ 3. 80% – 100%

✗ 4. 70% – 100%

Question ID : **26433099480**
Option 1 ID : **264330390536**
Option 2 ID : **264330390535**
Option 3 ID : **264330390534**
Option 4 ID : **264330390533**
Status : **Not Answered**
Chosen Option : **--**

Q.72 **Select the correct option for the given statements.**

Statement 1: The placing of veneers normal to each other increases the longitudinal and transverse strength of plywood.
Statement 2: Plywood possesses uniform tensile strength in all directions.

Ans

✓ 1. Both statement 1 and statement 2 are true

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

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

✗ 4. Both statement 1 and statement 2 are false

Question ID : **264330157855**
Option 1 ID : **264330618779**
Option 2 ID : **264330618781**
Option 3 ID : **264330618782**
Option 4 ID : **264330618780**
Status : **Answered**
Chosen Option : **1**

Q.73 **If the pipes are connected in series, then the:**

Ans

✓ 1. discharge will be constant and the pressure will be high

✗ 2. discharge will be constant and the pressure will be low

✗ 3. discharge will be low and the pressure will be constant

✗ 4. discharge will be high and the pressure will be low

Question ID : **264330158939**
Option 1 ID : **264330623115**
Option 2 ID : **264330623118**
Option 3 ID : **264330623116**
Option 4 ID : **264330623117**
Status : **Answered**
Chosen Option : **1**

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Q.74 **During construction, light weight aerated concrete blocks are mostly used for:**

Ans
✗ 1. shear walls
✓ 2. partition walls
✗ 3. foundation
✗ 4. load bearing walls

Question ID : **26433099478**
Option 1 ID : **264330390528**
Option 2 ID : **264330390526**
Option 3 ID : **264330390527**
Option 4 ID : **264330390525**
Status : **Answered**
Chosen Option : **2**

Q.75 **In case of a remote sensing system, which of the following factors does NOT affect the property of a reflected incident radiation?**

Ans
✗ 1. Angle of incident radiation
✗ 2. Roughness of the surface
✗ 3. Wavelength of radiation
✓ 4. Type of electromagnetic radiation

Question ID : **264330159301**
Option 1 ID : **264330624565**
Option 2 ID : **264330624566**
Option 3 ID : **264330624564**
Option 4 ID : **264330624563**
Status : **Answered**
Chosen Option : **4**

Q.76 **In plane surveying, level lines are considered as _____ and plumb lines are considered as _____.**

Ans
✗ 1. parallel; straight
✓ 2. straight; parallel
✗ 3. straight; straight
✗ 4. parallel; parallel

Question ID : **264330160616**
Option 1 ID : **264330629797**
Option 2 ID : **264330629795**
Option 3 ID : **264330629796**
Option 4 ID : **264330629798**
Status : **Answered**
Chosen Option : **1**

Q.77 **Which of the following assumptions is NOT valid in case of design of axially loaded compression members in the steel design?**

Ans
✗ 1. The ideal column is assumed to be absolutely straight with no crookedness.
✗ 2. The modulus of elasticity is assumed to be constant in a built-up column.
✗ 3. Secondary stresses are neglected.
✓ 4. The modulus of elasticity is assumed to vary in a built-up column.

Question ID : **264330159680**
Option 1 ID : **264330626080**
Option 2 ID : **264330626079**
Option 3 ID : **264330626081**
Option 4 ID : **264330626082**
Status : **Answered**
Chosen Option : **4**

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Q.78 **The total head that must be produced by the pump to satisfy the specific external requirements is called the _____.**

Ans

✔ 1. manometric head

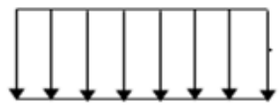
✘ 2. dynamic head

✘ 3. static head

✘ 4. suction head

Question ID : **26433091151**
Option 1 ID : **264330358015**
Option 2 ID : **264330358014**
Option 3 ID : **264330358013**
Option 4 ID : **264330358016**
Status : **Answered**
Chosen Option : **3**

Q.79 **A rectangular shape of stress distribution diagram at the base of a circular chimney is shown in figure. By referring to it, it may be concluded that:_____**



Ans

✔ 1. the chimney is subjected to direct compressive stress only

✘ 2. the chimney is subjected to wind pressure only

✘ 3. the chimney is subjected to both bending as well as direct compressive stress

✘ 4. the chimney is subjected to bending stress only

Question ID : **264330159673**
Option 1 ID : **264330626053**
Option 2 ID : **264330626051**
Option 3 ID : **264330626054**
Option 4 ID : **264330626052**
Status : **Answered**
Chosen Option : **1**

Q.80 **Calculate the capital value of a building whose rent is ₹10,000 per annum, inclusive of all taxes. Outgoings are 18% of the gross rent, and the expected rate of return is 9% with a 60-year life of the building.**

Ans

✔ 1. ₹91,111

✘ 2. ₹81,000

✘ 3. ₹1,01,000

✘ 4. ₹75,000

Question ID : **264330159851**
Option 1 ID : **264330626754**
Option 2 ID : **264330626751**
Option 3 ID : **264330626752**
Option 4 ID : **264330626753**
Status : **Not Answered**
Chosen Option : **--**

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Q.81 _____ **is the correct formula to determine the elevation difference (d_Z) between two points on the ground using a total station.**
(V_D = Vertical difference, H_I = Instrument height and H_R = Reflector height)

Ans

✗ 1. $d_Z = V_D - (H_I + H_R)$

✓ 2. $d_Z = V_D + (H_I - H_R)$

✗ 3. $d_Z = V_D\,(H_I - H_R)$

✗ 4. $d_Z = V_D\,(H_I + H_R)$

Question ID : **264330159302**
Option 1 ID : **264330624567**
Option 2 ID : **264330624570**
Option 3 ID : **264330624568**
Option 4 ID : **264330624569**
Status : **Not Answered**
Chosen Option : **--**

Q.82 The coefficient of the volume change m_v is given by _____.

Ans

✗ 1. $m_v = \dfrac{1}{\Delta\sigma'}$

✗ 2. $m_v = \dfrac{-\Delta e}{1 - e_o}\dfrac{1}{\Delta\sigma}$

✓ 3. $m_v = \dfrac{-\Delta e}{1 + e_o}\dfrac{1}{\Delta\sigma'}$

✗ 4. $m_v = \dfrac{-\Delta e}{1 - e_o}$

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Question ID : **26433099821**
Option 1 ID : **264330391881**
Option 2 ID : **264330391883**
Option 3 ID : **264330391884**
Option 4 ID : **264330391882**
Status : **Answered**
Chosen Option : **4**

Q.83 Allowances for contingencies can be expressed as a percentage of _____.

Ans

✓ 1. total cost

✗ 2. establishment charges

✗ 3. supervision charges

✗ 4. rate of each item

Question ID : **26433091124**
Option 1 ID : **264330357905**
Option 2 ID : **264330357906**
Option 3 ID : **264330357907**
Option 4 ID : **264330357908**
Status : **Answered**
Chosen Option : **1**

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Q.84 **As per IS:2386 (Part IV)-1963, the aggregate crushing value shall NOT exceed _____ for concrete for wearing surfaces, such as runways, roads and pavements.**

Ans
✗ 1. 20%
✓ 2. 30%
✗ 3. 10%
✗ 4. 40%

Question ID : **264330157866**
Option 1 ID : **264330618824**
Option 2 ID : **264330618825**
Option 3 ID : **264330618823**
Option 4 ID : **264330618826**
Status : **Answered**
Chosen Option : **2**

Q.85 **ठोस अपशिष्ट प्रबंधन में कूड़ा-कचरा (Rubbish) एक _____ होता है।**

Ans
✗ 1. जैवनिम्नीकरणीय ठोस अपशिष्ट
✗ 2. परमाणु ठोस अपशिष्ट
✗ 3. पूयनीय ठोस अपशिष्ट
✓ 4. गैर-पूयनीय ठोस अपशिष्ट

Question ID : **264330160708**
Option 1 ID : **264330630165**
Option 2 ID : **264330630166**
Option 3 ID : **264330630164**
Option 4 ID : **264330630163**
Status : **Answered**
Chosen Option : **1**

Q.86 **The value of average bond stress τ_{bd} depends on_____.**

Ans
✗ 1. Steel strength and Area of bar
✓ 2. Concrete strength and type of bar
✗ 3. Concrete strength and Steel strength
✗ 4. Concrete strength and Area of bar

Question ID : **26433099427**
Option 1 ID : **264330390323**
Option 2 ID : **264330390321**
Option 3 ID : **264330390324**
Option 4 ID : **264330390322**
Status : **Not Answered**
Chosen Option : **--**

Q.87 **The rainfall observed for five successive days in a catchment is 2, 3, 4, 5 and 6 cm. Compute the direct runoff from the catchment due to this rainfall. The ϕ index for the rainfall is assumed to be 2 cm/day.**

Ans
✗ 1. 16 cm
✓ 2. 10 cm
✗ 3. 12 cm
✗ 4. 8 cm

Question ID : **26433096923**
Option 1 ID : **264330380432**
Option 2 ID : **264330380430**
Option 3 ID : **264330380431**
Option 4 ID : **264330380429**
Status : **Answered**
Chosen Option : **2**

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Q.88 **Polar moment of inertia about central axis of a semi-circular lamina with radius R is given as _____.**

Ans

✗ 1. $\frac{\pi R^4}{8}$

✗ 2. $\frac{\pi R^4}{2}$

✗ 3. $\frac{\pi R^4}{16}$

✓ 4. $\frac{\pi R^4}{4}$

Question ID : **264330159407**
Option 1 ID : **264330624988**
Option 2 ID : **264330624990**
Option 3 ID : **264330624989**
Option 4 ID : **264330624987**
Status : **Answered**
Chosen Option : **3**

Q.89 **Select the correct option for the given statements.**

Statement 1: Laminates are the products made by bonding together two or more layers of materials.
Statement 2: High-pressure decorative laminates are pasted on plywood sheets, which are used for large areas like cabinets, wide door shutters, tables, etc.

Ans

✓ 1. Both statement 1 and statement 2 are true

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

✗ 3. Both statement 1 and statement 2 are false

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

Question ID : **264330157852**
Option 1 ID : **264330618767**
Option 2 ID : **264330618770**
Option 3 ID : **264330618768**
Option 4 ID : **264330618769**
Status : **Not Answered**
Chosen Option : **--**

Q.90 **To avoid gas bounding, the pump is:**

Ans

✗ 1. heated

✓ 2. primed

✗ 3. charged

✗ 4. elevated

Question ID : **264330158968**
Option 1 ID : **264330623231**
Option 2 ID : **264330623233**
Option 3 ID : **264330623234**
Option 4 ID : **264330623232**
Status : **Not Answered**
Chosen Option : **--**

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Q.91 If tensile stress develops at the base of a full dam, it will be first observed at the:

Ans
✗ 1. gallery
✗ 2. toe
✓ 3. heel
✗ 4. mid-point of the base width

Question ID : **26433099378**
Option 1 ID : **264330390128**
Option 2 ID : **264330390125**
Option 3 ID : **264330390126**
Option 4 ID : **264330390127**
Status : **Answered**
Chosen Option : **2**

Q.92 In an aqueduct, natural drainage is _____ the canal.

Ans
✗ 1. parallel to
✓ 2. below
✗ 3. at the level of
✗ 4. above

Question ID : **26433096927**
Option 1 ID : **264330380448**
Option 2 ID : **264330380445**
Option 3 ID : **264330380447**
Option 4 ID : **264330380446**
Status : **Answered**
Chosen Option : **2**

Q.93 Match the following types of canals with their types of alignment.

Type of Canal	Type of Alignment
A. Ridge canal	1. Aligne roughly at right angles to the contours
B. Contour canal	2. Aligned along the watershed
C. Side slope canal	3. Aligned nearly parallel to the contours

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

Question ID : **264330158567**
Option 1 ID : **264330621628**
Option 2 ID : **264330621627**
Option 3 ID : **264330621629**
Option 4 ID : **264330621630**
Status : **Answered**
Chosen Option : **3**

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Q.94 **Shear resistance of soil can be attributed to:**

Ans
✗ 1. cohesion and pore pressure
✓ 2. cohesion and friction
✗ 3. only friction
✗ 4. cohesion and plasticity

Question ID : **264330159627**
Option 1 ID : **264330625869**
Option 2 ID : **264330625868**
Option 3 ID : **264330625870**
Option 4 ID : **264330625867**
Status : **Answered**
Chosen Option : **3**

Q.95 **The vertical distance between the centre line of a pump and the point of delivery is known as _____.**

Ans
✓ 1. delivery head
✗ 2. suction head
✗ 3. dynamic head
✗ 4. Total head

Question ID : **264330160569**
Option 1 ID : **264330629608**
Option 2 ID : **264330629609**
Option 3 ID : **264330629610**
Option 4 ID : **264330629607**
Status : **Answered**
Chosen Option : **1**

Q.96 **If detailed drawings are not available, the steel reinforcement may be calculated approximately on the percentage basis of _____.**

Ans
✗ 1. height of building
✗ 2. brickwork
✗ 3. size of bending
✓ 4. concrete

Question ID : **26433099329**
Option 1 ID : **264330389932**
Option 2 ID : **264330389931**
Option 3 ID : **264330389930**
Option 4 ID : **264330389929**
Status : **Answered**
Chosen Option : **1**

Q.97 **High water hammer pressure can cause breakage and damage to a pipeline. The property of a fluid which is accountable for the problem of water hammer is _____.**

Ans
✗ 1. surface tension
✗ 2. fluidity
✗ 3. viscosity
✓ 4. density

Question ID : **26433088716**
Option 1 ID : **264330348421**
Option 2 ID : **264330348424**
Option 3 ID : **264330348422**
Option 4 ID : **264330348423**
Status : **Answered**
Chosen Option : **1**

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Q.98 **The captain in a vessel 0.016 km above the sea level observes a 0.144 km tall lighthouse on a port just above the horizon. The distance of the vessel from the port, considering both curvature of the Earth and refraction, is _____.**

Ans

✗ 1. 161.68 km

✗ 2. 116.68 km

✗ 3. 16.68 km

✓ 4. 61.68 km

Question ID : **264330160608**
Option 1 ID : **264330629763**
Option 2 ID : **264330629766**
Option 3 ID : **264330629764**
Option 4 ID : **264330629765**
Status : **Not Answered**
Chosen Option : **--**

Q.99 **Under properly controlled combustion and temperature, what is the percentage of silica content that can be obtained from rice husk ash?**

Ans

✗ 1. $60\% - 70\%$

✓ 2. $85\% - 95\%$

✗ 3. $57\% - 68\%$

✗ 4. $40\% - 50\%$

Question ID : **26433099402**
Option 1 ID : **264330390222**
Option 2 ID : **264330390221**
Option 3 ID : **264330390223**
Option 4 ID : **264330390224**
Status : **Not Answered**
Chosen Option : **--**

Q.100 **As per IS 800: 2007, in case of design of steel beams, the permissible bending stress in tension and the permissible bending stress in compression should NOT exceed ____ times of the yield stress (f_y) of steel in a plastic and compact section while the beam is laterally supported.**

Ans

✗ 1. 0.45

✓ 2. 0.66

✗ 3. 0.60

✗ 4. 0.75

Question ID : **264330159689**
Option 1 ID : **264330626116**
Option 2 ID : **264330626117**
Option 3 ID : **264330626115**
Option 4 ID : **264330626118**
Status : **Answered**
Chosen Option : **2**

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