

SSC JE

Previous Year Paper

(Civil) Paper-I

10 Oct, 2023 Shift 1

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

mpcareer.in

Section : General Intelligence and Reasoning

Q.1 उस िवक का चयन कीजिए जो तीसरे श से उसी कार संबंिधत है िजस कार दूसरा श पहले श से संबंिधत है (श ों को अथपूण िहंदी श ों के प म माना जाना चाहिए और श म अ रों/ंजनों/रों की सं ा के आधार पर एक दूसरे से संबंिधत नहीं िकया चाहिए)

खुला : गु :: वादी : _____

Ans 1. स

2. धोखेबाज़

3. नाराज़

4. भावना क

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

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

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. XWUXWTV
 - 2. WXVXUWT
 - 3. VWXUXTX
 - 4. WVXWTVU

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? $(189 \div A 7) \times (12 \div A 2) = 14$

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

Question ID : 26433067675

Option 1 ID : 264330265212

Option 2 ID : 264330265215

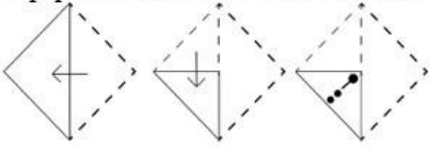
Option 3 ID : 264330265213

Option 4 ID : 264330265214

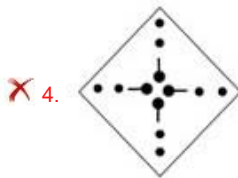
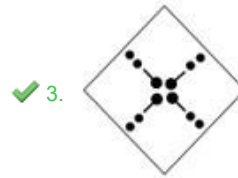
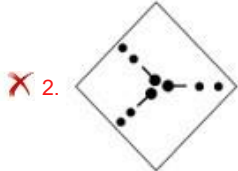
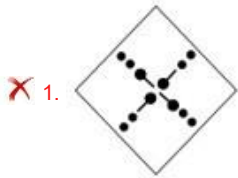
Status : Answered

Chosen Option : 2

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



Ans



Question ID : 264330103017

Option 1 ID : 264330404459

Option 2 ID : 264330404457

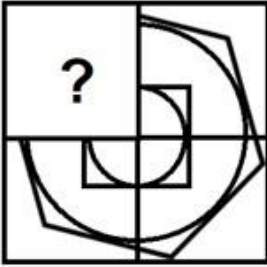
Option 3 ID : 264330404458

Option 4 ID : 264330404460

Status : Answered

Chosen Option : 3

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

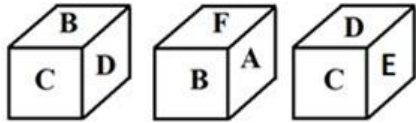
Option 3 ID : 264330566734

Option 4 ID : 264330566731

Status : Answered

Chosen Option : 4

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



Q.11

- 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

1. ETQUTTOU
 2. ETQUTQTU
 3. ETQUTOTU
 4. ETQTUOTU

Question ID : 26433068918

Option 1 ID : 264330270186

Option 2 ID : 264330270184

Option 3 ID : 264330270187

Option 4 ID : 264330270185

Status : Answered

Chosen Option : 3

Ans

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 : --

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

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

Ans

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

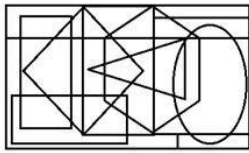
Option 3 ID : 264330507567

Option 4 ID : 264330507569

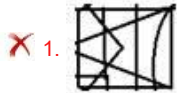
Status : Answered

Chosen Option : 3

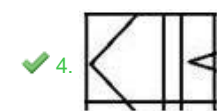
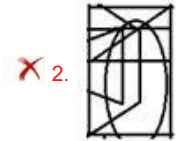
Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).



Q.17



Ans



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

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

Ans

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.

Question ID : 26433074807
Option 1 ID : 264330293319
Option 2 ID : 264330293316
Option 3 ID : 264330293317
Option 4 ID : 264330293318
Status : Answered
Chosen Option : 4

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

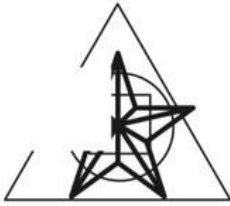
Option 3 ID : 264330319672

Option 4 ID : 264330319669

Status : Not Answered

Chosen Option : --

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



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



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 : --

Q.25 उस शब्द का चयन कीजिए, जो तीसरे शब्द से उसी कार संबंधित है, जिस कार दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अधपूर्ण शब्दों के समान माना जाना चाहिए, और वे शब्द, उनमें अक्षरों/वर्णों/रों 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. सिसैट (Cygnet)

Question ID : 264330144511

Option 1 ID : 264330566299

Option 2 ID : 264330566302

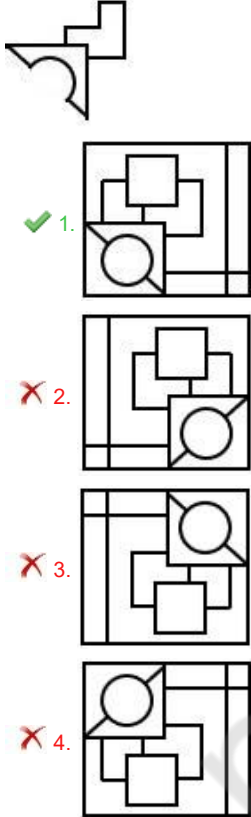
Option 3 ID : 264330566300

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).



Question ID : 264330129543

Option 1 ID : 264330507541

Option 2 ID : 264330507540

Option 3 ID : 264330507539

Option 4 ID : 264330507538

Status : Answered

Chosen Option : 1

Ans

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

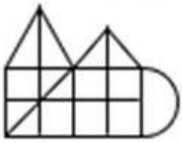
Q.28 If '÷' means '-', '+' means 'x', '-' means '÷', 'x' means '+', then choose the correct equation from the following.

1. $12 \div 20 \times 12 + 7 - 2 = 34$
 2. $12 \times 20 \div 12 + 7 - 2 = 34$
 3. $12 + 20 \times 12 - 7 + 2 = 34$
 4. $12 \times 20 + 12 \div 7 - 2 = 34$

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

Ans

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



Q.29

- 1.
- Ans 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

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 हों, जिस तरह दिए गए युग्म के दोनों शब्द एक दूसरे से संबंधित हैं।
(शब्दों पर सातक शब्दों के पारस्परिक विचारणा चाहिए और वे शब्द, शब्दों में अर्थों/व्यंजनों/रों की संज्ञा के आधार पर एक दूसरे से संबंधित नहीं होने चाहिए।)

अजटीना : पेसो (Argentina : Peso)

- Ans
- 1. नेपाल : रुपैयाँ (Nepal : Kyat)
 - 2. स : बाह (Russia : Baht)
 - 3. बांग्लादेश : शिल्लिंग (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

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

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

Ans

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. HFSFJFKJ

2. HFSJFKFJ

3. HFSFJKFJ

4. HFSKJFFJ

Question ID : 26433068916

Option 1 ID : 264330270177

Option 2 ID : 264330270178

Option 3 ID : 264330270176

Option 4 ID : 264330270179

Status : Answered

Chosen Option : 2

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 : ?

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 : --

Ans

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 : --

Q.39 If '+' means '÷', '-' means '+', '×' means '-', and '÷' means '×', then what will be the value of the following expression?
 $[(22 \times 15) - (1 \div 9)] + (2 - 2) \div 2$

- 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.

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

Ans

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

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

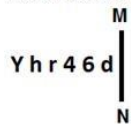
Q.43 उस िव का चयन कीजिए जो तीसरे श से उसी कार संबंिधत है, िजस्कार दसरा श पहले श से संबंिधत है। (श ंको अथपूण िहंदीभिजी श ंके प म माना जाना चाहिए और श , उनम अरों की सं ं/ंजनों / रों की सं ंके आधार पर एक दसरे से संबंिधत नहीं होने चाहिए।)

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

- Ans 1. चौड़ाई (Width)
 2. आयतन (Volume)
 3. िव (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

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



- Q.44
 Ans 1. bəƆrɹd
 2. pɹɹ4əƆ
 3. b6Ɔrɹd
 4. pɹɹ4ɹd

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

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.)

- 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

Ans

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 : --

Q.48 उस िव का चयन कर, जो तीसरे श से उसी कार संबंिधतै, िजस्कार दसरा श पहले श से संबंिधतै। (श ंको अथपूण श ंके प म माना जाना चाहैऔर श म अ रों की सं / ंजन / रों की सं के आधार पर एक दसरे से संबंिधततहीं होना चाहै।

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

- Ans
- 1. तराशना (Carve)
 - 2. बेधना (Bore)
 - 3. खोदकर िनकालन(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

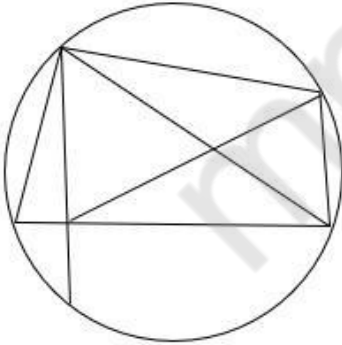
Option 3 ID : 264330323531

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

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 ि सार ने िकस्राजवंश के राजा के उपचार के िल राजवै 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

Q.5 नौवीं और बारहवीं शताब्दी के बीच की अवधि के दौरान बंगाल में चिलत मूलिकलकली 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

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 महत्वपूर्ण 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

Q.13 31 जनवरी 2023 को नई दिल्ली में आयोजित राष्ट्रीय महिला आयोग के 100वाँ दिवस समारोह के अवसर पर भारत की राष्ट्रपिता सुभाष चंद्र बोस ने निम्नलिखित में से किस पुस्तक की पहली किताब 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 _____.

- 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 : --

Ans

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

Q.16 मिहलाओं को -रोजगार के अवसर दान करके उ आ िनभर और तं बनने का अवसर दान करने हेतु, MSME मं ालय ारा 2022 म एक पहल शु की गई है, िजसके तहत मं ालय की कौशल िवकास योजनाओं के तहत आयोजित मु कौशल िवकास काय मों म 20% सीट मिहलाओं को दान की जाएंगी। इस पहल को पहचान।

- Ans
- 1. संभव (SAMBHAV)
 - 2. समथ (SAMARTH)
 - 3. संवेदना (SAMVEDNA)
 - 4. स म (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?

- 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

Ans

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 : --

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 पु जब भारत के अणाचल देश म वेश करती है, तब इसे _____ कहा जाता है।

- Ans
- 1. जमुना
 - 2. िदहांग
 - 3. लोहित
 - 4. ांगपो

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 : --

Q.23 भारत के संविधान का निम्नलिखित मसौदा कौन-सा अनुसूची, निवारक विरोध कानून के तहत
विचारित किया गया था कि संसद को संसद दान करता है?

- Ans
- 1. अनुसूची 25
 - 2. अनुसूची 22
 - 3. अनुसूची 26
 - 4. अनुसूची 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?

- 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

Ans

Q.25 किस सरोवर वादक - उस्ताद अमजद अली खान द्वारा सरोवर को निम्नलिखित मसौदा वाद्य से
संज्ञित किया जाता है?

- Ans
- 1. रबाब
 - 2. तार
 - 3. कर्मचेह
 - 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

Q.26 केरल की निदियों के संदभ म िन िल खत म से कौन-से कथन सही ह, उनकी पहचान कर।

1. केरल की सबसे लंबी नदी भरतपुझा (Bharathapuzha) अ ामलाई पहाड़ियों के पास से िनकलती है।
2. पे रयार केरल की दूसरी सबसे बड़ी नदी है।
3. केरल की पंबा (Pamba) नदी वे नाड झील म िगरती 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?

- 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 : --

Ans

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

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?

- 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

Ans

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

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?

- 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 : --

Ans

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

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 : --

Q.39 रेशेदार फसलों के उस समूह की पहचान कर, िजनकभारत म बड़े पैमाने पर उ ाद होता है?

- Ans
- 1. चाय और कॉफी
 - 2. चना और अरहर
 - 3. जूट और कपास
 - 4. गेँ 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 िकतनेभागों म 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 : --

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

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

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. 92nd
 2. 89th
 3. 83rd
 4. 86th

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

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 τ_{bd} in limit state method for plain bars in tension for M40 grade of concrete is _____

- Ans
- 1. 1.7 N/mm²
 - 2. 1.5 N/mm²
 - 3. 1.2 N/mm²
 - 4. 1.9 N/mm²

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

Q.3 काठ की सुरा के िल ढलान वाले काठ फ टस के िनमाण्के दौरान, िन िल खल्ल से ा आव क है?

- Ans
- 1. ाइमर का एक कोट
 - 2. कोई ाइमिंग और पिटिंग नहीं
 - 3. ाइमर के ऊपर पट के दो कोट
 - 4. पट 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

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

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 SO₂ concentration exceeding the maximum tolerable value of 80 µg/m³ ?

- 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?

- 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

Ans

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

Q.12 बोर होल की सं ा और ित _____ के आधार पर िभ होते ह।

- Ans
- 1. भू-सतह
 - 2. वायुमंडल
 - 3. भू-जल
 - 4. अधोमृदा की ित

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

- 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

Ans

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

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.

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

Ans

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

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.

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

Ans

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

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 : --

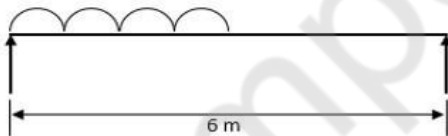
Q.22 2 litres of an oil weigh 16 N. Calculate the specific gravity of the oil. Consider the density of water to be 998 kg/m^3 .

- 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 : --

Ans

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.



Q.23

- 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

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

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 : --

Ans

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

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?

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

Ans

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

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

Q.30

- 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

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

Ans

Q.32 In the relation $\Delta = 8.64 B/D$, 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

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

- 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

Ans

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

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 $g = 10 \text{ m/s}^2$.)

- 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

Ans

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

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.

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 : --

Ans

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

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:

- 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

Ans

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

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

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

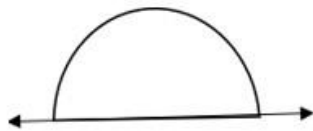
Q.50 An isolated footing of RCC is supporting a pedestal. The critical section for the bending moment should be chosen at:

- 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

Ans

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



Q.51

- 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.

- ✗ 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

Ans

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/mm²
- ✗ 2. 0.01 N/mm²
- ✓ 3. 1 N/mm²
- ✗ 4. 10 N/mm²

Question ID : 264330100807

Option 1 ID : 264330395776

Option 2 ID : 264330395775

Option 3 ID : 264330395773

Option 4 ID : 264330395774

Status : Not Answered

Chosen Option : --

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?

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

Ans

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

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?

- 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 : --

Ans

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

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

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 + γD_f

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

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

- 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

Ans

Q.70 िसंचाई के अनेक लाभ ह जैसे खा उ ादन म वृ ,े का िवकास और लोगों का सामािजक उ ान। िसंचाई के हािनकारक भावों म से एक _____ है।

- Ans
- 1. बाढ़ पर िनयं ण
 - 2. अकाल से सुर ा
 - 3. म रों का जनन और मले रया की य ापकता
 - 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

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.

- 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

Ans

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

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.

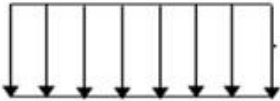
Question ID : 264330159680
Option 1 ID : 264330626080
Option 2 ID : 264330626079
Option 3 ID : 264330626081
Option 4 ID : 264330626082
Status : Answered
Chosen Option : 4

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: _____



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

Ans

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 : --

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 _____.

- 1. $m_v = \frac{1}{\Delta\sigma'}$
- 2. $m_v = \frac{-\Delta e}{1 - e_o} \frac{1}{\Delta\sigma'}$
- 3. $m_v = \frac{-\Delta e}{1 + e_o} \frac{1}{\Delta\sigma'}$
- 4. $m_v = \frac{-\Delta e}{1 - e_o}$

Question ID : 26433099821

Option 1 ID : 264330391881

Option 2 ID : 264330391883

Option 3 ID : 264330391884

Option 4 ID : 264330391882

Status : Answered

Chosen Option : 4

Ans

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

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 बंधन म कूड़ा-कचरा (Rubbish) एक _____ होता है।

- Ans 1. जैविन ीकरणीय 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

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.

- 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 : --

Ans

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 : --

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. Aligned 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

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

Ans

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

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