Junior Engineer Civil Mechanical and Electrical Examination 2024 Paper I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	06/06/2024
Exam Time	9:00 AM - 11:00 AM
Subject	Junior Engineer 2024 Civil Paper I

Section: General Intelligence and Reasoning

Q.1 In a certain code language, 'FISH' is coded as '3517' and 'SALT' is coded as '4258'. What is the code for 'S' in the given code language?

Ans 💊

X 2. 1

X 3.4

X 4.8

Question ID: 630680388411 Option 1 ID: 6306801514162 Option 2 ID: 6306801514163

Option 3 ID : **6306801514164** Option 4 ID : **6306801514165**

Status: Answered

Chosen Option: 1

Q.2 What will come in place of the question mark (?) in the following equation if '÷' and 'x' are interchanged?

132 × 12 ÷ 9 + 27 - 51 = ?

Ans X 1. 70

X 2.65

X 3. 78

4. 75

Question ID: 630680376478

Option 1 ID : **6306801466982** Option 2 ID : **6306801466980** Option 3 ID : **6306801466981**

Option 4 ID : **6306801466979** Status : **Answered**

Chosen Option : 4

Q.3 LHKG is related to JFIE in a certain way based on the English alphabetical order. In the same way, RNQM is related to PLOK. To which of the following is UQTP related, following the same logic?

Ans X 1. OSRN

X 2. SONR

X 4. OSNR

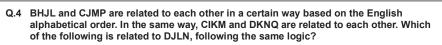
Question ID : 630680376567

Option 1 ID : **6306801467336** Option 2 ID : **6306801467337**

Option 3 ID : 6306801467338

Option 4 ID : 6306801467335

Status : Answered



√ 1. ELOR Ans

X 2. EOLR

X 3. OELR

X 4. OERL

Question ID: 630680379162 Option 1 ID: 6306801477695 Option 2 ID: 6306801477696 Option 3 ID: 6306801477697 Option 4 ID: 6306801477698 Status: Answered

Chosen Option: 1

Q.5 OJNL is related to NIMK in a certain way based on the English alphabetical order. In the same way, LGKI is related to KFJH. To which of the following is IDHF related, following the same logic?

√ 1. HCGE

X 2. HCEG

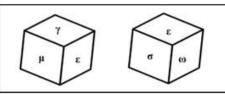
X 3. HEGC

X 4. HECG

Question ID: 630680466954 Option 1 ID: 6306801823786 Option 2 ID: 6306801823787 Option 3 ID: 6306801823788 Option 4 ID: 6306801823789 Status: Answered

Chosen Option : 1

Q.6 A dice has its faces marked by symbols σ , Δ , μ , ϵ , ω and γ . Two positions of the same dice are shown below. Which face is opposite to face Δ ?



Ans × 1. γ

Χ 2. σ

🧳 3. ε

X 4. µ

Question ID: 630680524640

Option 1 ID: 6306802050661

Option 2 ID: 6306802050660

Option 3 ID: 6306802050659

Option 4 ID: 6306802050662

Status: Answered

the same way, JHAP is related to LJCR. To which of the following is NEIM related, following the same logic? Ans X 1. POLS X 2. ADNG X 4. HJTF Question ID: 630680377694 Option 1 ID: 6306801471837 Option 2 ID: 6306801471838 Option 3 ID: 6306801471835 Option 4 ID: 6306801471836 Status: Answered Chosen Option: 3 Q.8 8 is related to 88 following a certain logic. Following the same logic, 12 is related to 132. To which of the following is 51 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) Ans **1.** 561 X 2. 562 X 3. 563 X 4. 564 Question ID: 630680397506 Option 1 ID: 6306801549942 Option 2 ID: 6306801549943 Option 3 ID: 6306801549944 Option 4 ID: 6306801549945 Status: Answered Chosen Option: 1 Q.9 What will come in the place of the question mark (?) in the following equation, if '÷' and '-' are interchanged and 'x' and '+' are interchanged? $15 \times 11 \div 49 - 7 + 3 = ?$ Ans X 1. 15 **X** 2. −5 **3**. 5 X 4. -15 Question ID: 630680377617 Option 1 ID: 6306801471530 Option 2 ID: 6306801471528 Option 3 ID: 6306801471529

> Option 4 ID : **6306801471527** Status : **Answered**

Chosen Option: 3

Q.7 BKOT is related to DMQV in a certain way based on the English alphabetical order. In

8, 24, 49, 85, 134, ? Ans X 1. 191 X 2. 180 **3**. 198 X 4. 181 Question ID: 630680382728 Option 1 ID: 6306801491827 Option 2 ID: 6306801491830 Option 3 ID: 6306801491828 Option 4 ID: 6306801491829 Status: Answered Chosen Option: 3 Q.11 In a certain code language, 'GATE' is coded as '3579' and 'THIN' is coded as '4236'. What is the code for 'T' in that language? Ans X 1.7 **2**. 3 **X** 3. 2 X 4.4 Question ID: 630680376701 Option 1 ID: 6306801467867 Option 2 ID: 6306801467870 Option 3 ID: 6306801467869 Option 4 ID: 6306801467868 Status: Answered Chosen Option: 2 Q.12 Select the option that indicates the arrangement of the following words in meaningful and logical order. 1. Adult 2. Infant 3. Adolescent 4. Old age 5. Toddler Ans **1**. 2, 5, 3, 1, 4 X 2. 2, 1, 5, 4, 3 **X** 3. 5, 1, 3, 2, 4 **X** 4. 4, 1, 3, 2, 5 Question ID: 630680404450 Option 1 ID: 6306801577300 Option 2 ID: 6306801577301 Option 3 ID: 6306801577302 Option 4 ID: 6306801577303 Status: Answered Chosen Option: 1

Q.10 What should come in place of the question mark (?) in the given series?

Q.13 In a certain code language,
'A + B' means 'A is the father of B',
'A - B' means 'A is the mother of B',
'A × B' means 'A is the brother of B',
'A ÷ B' means 'A is the sister of B' and
'A * B' means 'A is the husband of B'.
How is T related to R if 'P ÷ R + Q × S - T * U'?

Ans

1. Son's daughter

2. Daughter's son

3. Daughter's daughter

4. Son's son

Question ID: 630680376886

Option 1 ID: 6306801468608

Option 2 ID: 6306801468610

Option 3 ID: 6306801468609

Option 4 ID: 6306801468607

Status: Answered

Chosen Option: 2

Q.14 Anil starts from point A and drives 6 km towards the east. He then takes a left turn, drives 2 km, turns right, and drives 3 km. He then takes a right turn and drives 5 km. He takes a final right turn, drives 9 km, and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?
(All turns are 90° turns only, unless specified.)

Ans X 1. 6 km towards the east

2. 3 km towards the north

X 3. 3 km towards the west

X 4. 6 km towards the south

Question ID: 630680377444 Option 1 ID: 6306801470841 Option 2 ID: 6306801470840 Option 3 ID: 6306801470842 Option 4 ID: 6306801470839 Status: Answered

Chosen Option: 2

Q.15 What will come in the place of the question mark (?) in the following equation, if '+' and '+' are interchanged and 'x' and '-' are interchanged?

 $19 \times 6 \div 10 - 2 + 1 = ?$

Ans X 1. 36

X 2. 28

X 3.48

4. 33

Question ID : 630680377711 Option 1 ID : 6306801471905 Option 2 ID : 6306801471904 Option 3 ID : 6306801471906

Option 4 ID : **6306801471903** Status : **Answered**

Q.16 Six babies Ria, Sia, Tia, Urja, Vani and Winnie are born one after the other but not necessarily in the same order. All of them were born in different cities. Only two babies were born before the one who was born in Raipur. Only one baby was born between Sia, who was born in Delhi and the baby born in Raipur. Tia was born before Urja and just after the baby born in Haridwar. Tia was not born in Raipur. Ria was born in Bhopal and just before Vani. Tia was born immediately before the baby born in Ballia. Winnie was not born in Pune.
Where was Winnie born?

Ans X 1. Delhi

X 2. Pune

3. Haridwar

💢 4. Ballia

Question ID : 630680521122
Option 1 ID : 6306802036914
Option 2 ID : 6306802036913
Option 3 ID : 6306802036916
Option 4 ID : 6306802036915
Status : Answered

Chosen Option: 3

Q.17 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements. Statements:

- · Some curlers are serums.
- · Some curlers are oils.

Conclusion (I): No oil is a serum.

Conclusion (II): All oils are serums.

Ans X 1. Only Conclusion (I) follows

2. Neither Conclusion (I) nor (II) follows

X 3. Both Conclusions (I) and (II) follow

X 4. Only Conclusion (II) follows

Question ID: 630680378911 Option 1 ID: 6306801476691 Option 2 ID: 6306801476693 Option 3 ID: 6306801476694 Option 4 ID: 6306801476692 Status: Answered

Chosen Option: 2

Q.18 M, O, N, S, T, E, and R are sitting around a circular table, facing the centre (not necessarily in the same order). O sits to the immediate right of M. M sits second to the right of S. E sits third to the left of S. T sits second to the right of R. Who are the immediate neighbours of N?

Ans X 1. R and M

2. E and R

X 3. S and T

X 4. E and O

Question ID: 630680377627 Option 1 ID: 6306801471569 Option 2 ID: 6306801471568 Option 3 ID: 6306801471570 Option 4 ID: 6306801471567

Status: Answered

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some guitars are drums. Some drums are violins. No drum is a flute.

Conclusion (I): No flute is a violin.

Conclusion (II): Some flutes are guitars.

Ans

1. Neither conclusion (I) nor (II) follows

X 2. Only conclusion (I) follows

X 3. Only conclusion (II) follows

X 4. Both conclusions (I) and (II) follow

Question ID: 630680376526

Option 1 ID : **6306801467173** Option 2 ID : **6306801467171**

Option 3 ID : **6306801467172**

Option 4 ID : **6306801467174**

Status: Answered

Chosen Option: 1

Q.20 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PEB, SIE, VMH, YQK, BUN, ?

Ans X 1. DQM

✓ 2. EYQ

X 3. EXQ

X 4. CSL

Question ID: 630680379363

Option 1 ID: 6306801478496

Option 2 ID : 6306801478498

Option 3 ID : **6306801478497** Option 4 ID : **6306801478495**

Status : Answered

Chosen Option : 2

Q.21 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

SJF, ZQM, GXT, NEA, ?

Ans

🥓 1. ULH

X 2. ULG

X 3. YLG

X 4. YLH

Question ID: 630680376694

Option 1 ID: 6306801467839

Option 2 ID : **6306801467841**

Option 3 ID : **6306801467842** Option 4 ID : **6306801467840**

Status : Answered

Q.22 What should come in place of the question mark (?) in the given series based on the English alphabetical order? ECG, IGK, MKO, QOS, ? Ans X 1. URV 2. USW X 3. TSV X 4. USV Question ID: 630680394866 Option 1 ID: 6306801539748 Option 2 ID: 6306801539749 Option 3 ID: 6306801539751 Option 4 ID: 6306801539750 Status: Answered Chosen Option: 2 Q.23 In a certain code language, 'FRIAR' is coded as '20' and 'FREEDOM' is coded as '28'. What is the code for 'FARROW' in the given language? X 1. 17 Ans X 2. 18 **3**. 24 X 4. 22 Question ID: 630680375915 Option 1 ID: 6306801464731 Option 2 ID: 6306801464732 Option 3 ID: 6306801464734 Option 4 ID: 6306801464733 Status: Answered Chosen Option: 3 Q.24 If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation? 28 B 4 D 20 A 5 C 8 = ? Ans X 1. 117 **2**. 116 X 3. 122 **X** 4. 119 Question ID: 630680502800 Option 1 ID: 6306801964781 Option 2 ID: 6306801964782 Option 3 ID: 6306801964783 Option 4 ID: 6306801964784 Status: Answered Chosen Option: 2

Q.25 AE 56 is related to EI 60 in a certain way. In the same way, WA 91 is related to AE 95. To which of the following is XB 77 related, following the same logic?

Ans

1. BF 81

2. HN 81

3. PT 18

Question ID: 630680376957 Option 1 ID: 6306801468893 Option 2 ID: 6306801468891 Option 3 ID: 6306801468894 Option 4 ID: 6306801468892 Status: Answered

Chosen Option : 1

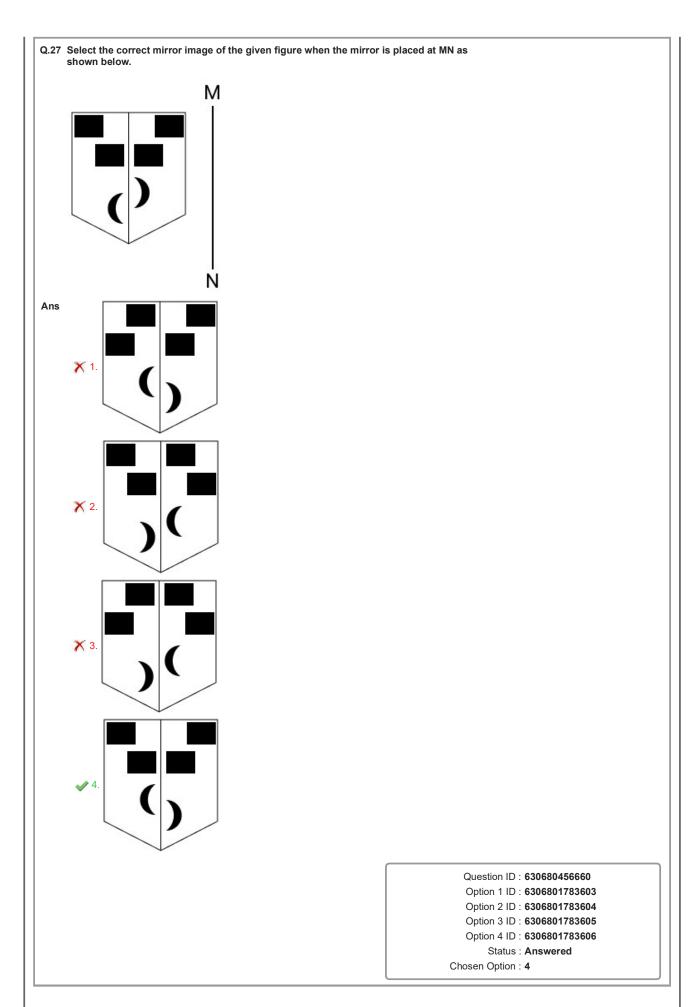
Q.26 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

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

X 4. IK 81

Question ID: 630680571451 Option 1 ID: 6306802234842 Option 2 ID: 6306802234844 Option 3 ID: 6306802234841 Option 4 ID: 6306802234843

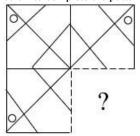
Status: Answered



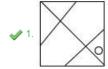
Question ID : 630680524410
Option 1 ID : 6306802049739
Option 2 ID : 6306802049742
Option 3 ID : 6306802049740
Option 4 ID : 6306802049741
Status : Answered

Chosen Option : 4

Q.29 Select the option figure that can replace the question mark (?) in the figure given below to complete the pattern.



Ans









Question ID : 630680525484

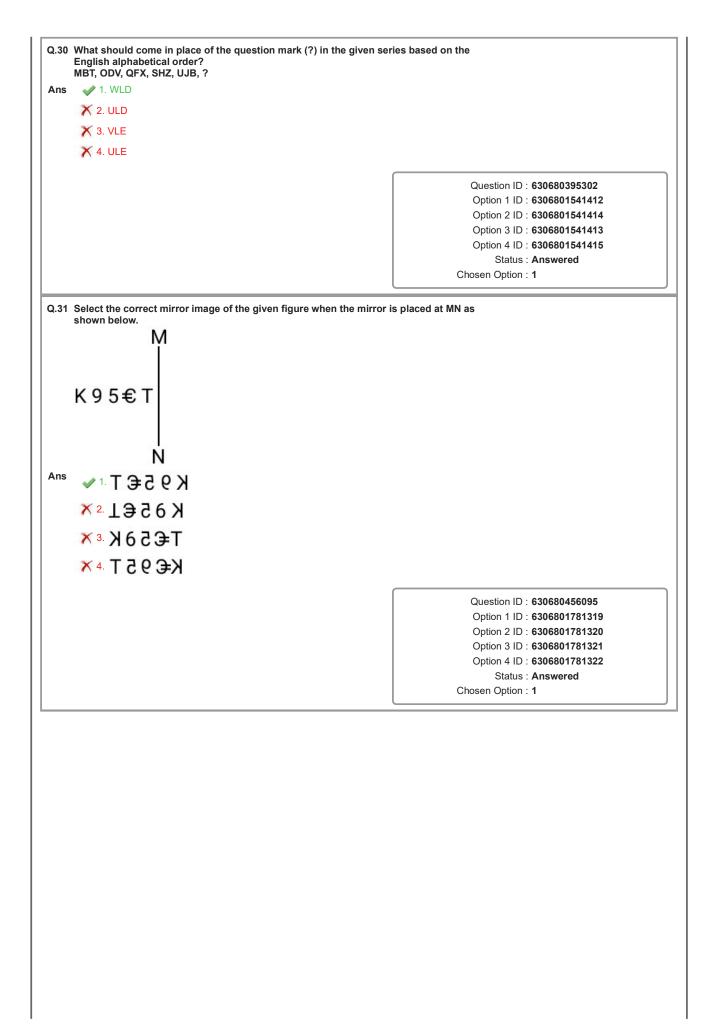
Option 1 ID : 6306802054021

Option 2 ID : 6306802054020

Option 3 ID : 6306802054022

Option 4 ID : 6306802054023

Status : Answered



Q.32 Select the option in which the given figure is embedded (rotation is NOT allowed). Ans

Question ID: 630680524582
Option 1 ID: 6306802050427
Option 2 ID: 6306802050430
Option 3 ID: 6306802050429
Option 4 ID: 6306802050428
Status: Answered

Q.33 Select the triad in which the numbers are related to each other in the same way as are the numbers of the given triads.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (279, 246, 213) (184, 151, 118)
Ans 1. (169, 132, 103)

X 3. (225, 196, 123)

X 4. (176, 145, 119)

Question ID: 630680392058
Option 1 ID: 6306801528609
Option 2 ID: 6306801528606
Option 3 ID: 6306801528608
Option 4 ID: 6306801528607
Status: Answered

Chosen Option: 2

Q.34 In a certain code language, 'why him though' is coded as 'kl gi ok' and 'though is he' is coded as 'ok bi yg'. How is 'though' coded in the given language?

Ans 1. ok

X 2. bi

X 3. gi

X 4. kl

Question ID : 630680377684 Option 1 ID : 6306801471797 Option 2 ID : 6306801471798 Option 3 ID : 6306801471796 Option 4 ID : 6306801471795 Status : Answered

Chosen Option : 1

Q.35 In a certain code language,

'M × N' means 'M is the daughter of N',

'M + N' means 'M is the father of N',

'M % N' means 'M is the mother of N', and

'M - N' means 'M is the brother of N'.

How is P related to K if 'P % Q + R - T × K'?

Ans X 1. Mother's sister

X 2. Brother's wife

X 3. Son's wife

4. Husband's mother

Question ID: 630680377454 Option 1 ID: 6306801470881 Option 2 ID: 6306801470880 Option 3 ID: 6306801470879 Option 4 ID: 6306801470882

Status : Answered

Q.36 What should come in place of the question mark (?) in the given series based on the English alphabetical order? DAG, FCI, HEK, JGM, ? Ans X 1. KGN X 2. NLQ √ 3. LIO X 4. MJP Question ID: 630680379936 Option 1 ID: 6306801480781 Option 2 ID: 6306801480779 Option 3 ID: 6306801480782 Option 4 ID: 6306801480780 Status: Answered Chosen Option: 3 Q.37 Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 suchas adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed) (100.15)(118, 18)Ans 1. (94, 14) **X** 2. (80, 13) X 3. (100, 16) X 4. (120, 17) Question ID: 630680375857 Option 1 ID: 6306801464500 Option 2 ID: 6306801464499 Option 3 ID: 6306801464501 Option 4 ID: 6306801464502 Status: Answered Chosen Option: 1 Q.38 Select the option in which the numbers share the same relationship as that shared by the given pairs of numbers. 2:16 3:81 (NOTE: Operations should be performed on the whole number, without breaking down the numbers into its constituent digits. E.g. 13- Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed.) Ans X 1.4:64 X 2. 2:32 3. 4 : 256 X 4. 6 : 216 Question ID: 630680387168 Option 1 ID: 6306801509367 Option 2 ID: 6306801509368 Option 3 ID: 6306801509366 Option 4 ID: 6306801509369

Status: Answered

Q.39 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(15, 55)
(12, 43)
Ans 1. (10, 40)
2. (9, 30)
3. (8, 42)

Question ID: 630680377729
Option 1 ID: 6306801471978
Option 2 ID: 6306801471977
Option 3 ID: 6306801471976
Option 4 ID: 6306801471975
Status: Answered

Q.40 What should come in place of the question mark (?) in the given series? 6, 15, 34, 63, 102, ?

Ans 🚀 1. 151

X 2. 113

4. (7, 23)

X 3. 105

X 4. 131

Question ID: 630680380558 Option 1 ID: 6306801483219 Option 2 ID: 6306801483221 Option 3 ID: 6306801483220 Option 4 ID: 6306801483222 Status: Answered

Chosen Option: 1

Chosen Option: 4

Q.41 What should come in place of the question mark (?) in the given series? 28, 29, 27, 30, 26, ?

Ans X 1. 24

X 2. 25

X 3.32

4. 31

Question ID: 630680378755

Option 1 ID : 6306801476067 Option 2 ID : 6306801476068 Option 3 ID : 6306801476070

Option 3 ID : **6306801476070** Option 4 ID : **6306801476069**

Status : Answered

Q.42 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Asia

2. Guwahati

3. North Eastern Indian State

4. South Asia

5. Assam

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

X 2. 2, 5, 3, 1, 4

3. 2, 5, 3, 4, 1

X 4. 5, 2, 3, 4, 1

Question ID: 630680518918 Option 1 ID: 6306802028135 Option 2 ID: 6306802028132 Option 3 ID: 6306802028134 Option 4 ID: 6306802028133

Status : Answered

Chosen Option: 3

Q.43 17 is related to 237 following a certain logic. Following the same logic, 9 is related to 125. To which of the following is 12 related following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans X 1. 166

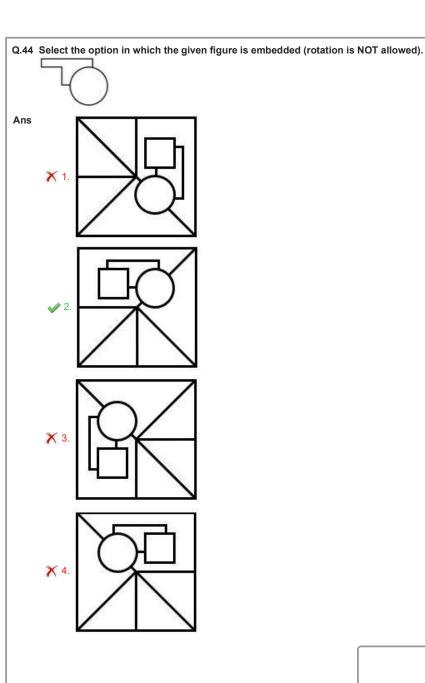
X 2. 132

3. 167

X 4. 179

Question ID : **630680451717** Option 1 ID : **6306801763954** Option 2 ID : **6306801763955**

Option 3 ID : **6306801763956** Option 4 ID : **6306801763957** Status : **Answered**



Question ID : 630680524476

Option 1 ID : 6306802050005

Option 2 ID : 6306802050006

Option 3 ID : 6306802050003

Option 4 ID : 6306802050004

Status : Answered

Q.45 Rajat drove for 4 km from point A, towards the west. He took a left turn and drove for 4 km. He took a left turn again and drove for 8 km and then he took a right turn and drove for 3 km. Again, he took a right turn and drove for 4 km. At last, he took a right turn and drove for 6 km and stopped at point B. How far (shortest distance) and towards which direction should he drive in order to reach point A again?

(All turns are 90° turns only, unless specified.)

Ans X 1. 2 km towards the south

X 2. 2 km towards the north

X 3. 3 km towards the north

Question ID: 630680378981 Option 1 ID: 6306801476972 Option 2 ID: 6306801476971 Option 3 ID: 6306801476974 Option 4 ID: 6306801476973

Status : **Answered** Chosen Option : **4**

Q.46 The position(s) of how many letters will remain unchanged if each of the letters in the word CLANGED is arranged in the English alphabetical order?

Ans X 1. Two

2. One

X 3. Three

X 4. Four

Question ID: 630680396643 Option 1 ID: 6306801546664 Option 2 ID: 6306801546665 Option 3 ID: 6306801546666 Option 4 ID: 6306801546667

Status: Answered

Chosen Option : 2

Q.47 SUWY is related to ZXVT in a certain way based on the English alphabetical order. In the same way, JLNP is related to QOMK. To which of the following is ACEG related, following the same logic?

Ans X 1. FHBD

X 2. DHBF

X 3. BDFH

Question ID: 630680375829

Option 1 ID: 6306801464388 Option 2 ID: 6306801464389 Option 3 ID: 6306801464387 Option 4 ID: 6306801464390

Status : Answered

Q.70	order? GMC, JPF, MSI, PVL, ?	on appraise to a
Ans		
	X 2. QXO	
	X 3. QZP	
	✓ 4. SYO	
	_	
		Question ID : 630680375972
		Option 1 ID : 6306801464962
		Option 2 ID : 6306801464961
		Option 3 ID : 6306801464959
		Option 4 ID : 6306801464960
		Status : Answered
		Chosen Option : 4
A	the right of C. A and D are immediate neighbours of G. E sits to the immediate neighbours of J. E sits to the immediate right of D. Who is sitting to the immediate right of G?	
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G?	
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID: 630680376589
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID : 630680376589 Option 1 ID : 6306801467425
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID : 630680376589 Option 1 ID : 6306801467425 Option 2 ID : 6306801467424
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID : 630680376589 Option 1 ID : 6306801467425 Option 2 ID : 6306801467424 Option 3 ID : 6306801467423 Option 4 ID : 6306801467426 Status : Answered
Ans	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID : 630680376589 Option 1 ID : 6306801467425 Option 2 ID : 6306801467424 Option 3 ID : 6306801467423 Option 4 ID : 6306801467426
	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? 1. C 2. B 3. A	Question ID: 630680376589 Option 1 ID: 6306801467425 Option 2 ID: 6306801467424 Option 3 ID: 6306801467423 Option 4 ID: 6306801467426 Status: Answered Chosen Option: 4
	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? ** 1. C ** 2. B ** 3. A ** 4. D ** 4. D ** The position(s) of how many letters will remain unchanged if each of t word 'ALIMONY' is arranged in the English alphabetical order?	Question ID: 630680376589 Option 1 ID: 6306801467425 Option 2 ID: 6306801467424 Option 3 ID: 6306801467423 Option 4 ID: 6306801467426 Status: Answered Chosen Option: 4
Q.50	Only 1 person sits between E and D when counted from the right of D. Who is sitting to the immediate right of G? ** 1. C ** 2. B ** 3. A ** 4. D ** 4. D ** The position(s) of how many letters will remain unchanged if each of t word 'ALIMONY' is arranged in the English alphabetical order?	Question ID: 630680376589 Option 1 ID: 6306801467425 Option 2 ID: 6306801467424 Option 3 ID: 6306801467423 Option 4 ID: 6306801467426 Status: Answered Chosen Option: 4

 $\ensuremath{\text{Q.48}}$ What should come in place of ? in the given series based on the English alphabetical

Question ID: 630680392222
Option 1 ID: 6306801529235
Option 2 ID: 6306801529234
Option 3 ID: 6306801529236
Option 4 ID: 6306801529237
Status: Answered

Chosen Option : 2

Section : General Awareness

X 4. Four

Q.1 Which cell organelle is the energy factory of cells and is an important hub for intracellular interactions with other organelles? Ans X 1. Peroxisomes X 2. Golgi apparatus X 3. Lysosomes 4. Mitochondria Question ID: 630680404309 Option 1 ID: 6306801576737 Option 2 ID: 6306801576735 Option 3 ID: 6306801576736 Option 4 ID: 6306801576734 Status: Answered Chosen Option : 2 Q.2 Which piece in a chess game can move in an 'L' shape - two squares vertically and one horizontally, and vice versa? 1. Knight Ans X 2. Bishop X 3. Queen X 4. Rook Question ID: 630680430547 Option 1 ID: 6306801680209 Option 2 ID: 6306801680210 Option 3 ID: 6306801680211 Option 4 ID: 6306801680212 Status: Answered Chosen Option: 2 Q.3 In may 2023, , the Comptroller and Auditor General of India (CAG), has been re-elected as the External Auditor of the World Health Organization (WHO) for a four-year term from 2024 to 2027. Ans X 1. KK Venugopal 2. G C Murmu X 3. Sushil Chandra X 4. Kailasavadivoo Sivan Question ID: 630680394948 Option 1 ID: 6306801540062 Option 2 ID: 6306801540060 Option 3 ID: 6306801540063 Option 4 ID: 6306801540061 Status: Answered Chosen Option: 4

X 1. Sodium X 2. Fluoride X 3. Potassium 4. Phosphorus Question ID: 630680540483 Option 1 ID: 6306802113012 Option 2 ID: 6306802113014 Option 3 ID: 6306802113011 Option 4 ID: 6306802113013 Status : Answered Chosen Option : 1 Q.5 Which of the following is/are most essential for growth and development? 1. Protein X 2. Salts X 3. Spices X 4. High sugar Question ID: 630680544734 Option 1 ID: 6306802129698 Option 2 ID: 6306802129699 Option 3 ID: 6306802129701 Option 4 ID: 6306802129700 Status: Answered Chosen Option: 1 Q.6 Calculate personal income from the following data. I.National Income = ₹1,000 II.Corporate tax = ₹10 III.Subsidies = ₹5 IV.Undistributed profits = ₹15 V.Rent = ₹15 Ans 1. ₹980 **X** 2. ₹1,000 **X** 3. ₹950 **X** 4. ₹975 Question ID: 630680512399 Option 1 ID: 6306802002568 Option 2 ID: 6306802002569 Option 3 ID: 6306802002566 Option 4 ID: 6306802002567 Status: Answered Chosen Option: 4

Q.4 Which of the following minerals is essential for maintaining healthy bones and teeth?

Q.7 If the atomic mass of carbon is 12.011, that of hydrogen is 1.008 and that of oxygen is 15.999, then calculate the molecular mass of $\rm C_2H_4O$.

Ans X 1. 40.053

X 2. 34.053

3. 44.053

X 4. 16.053

Question ID: 630680401863 Option 1 ID: 6306801567222 Option 2 ID: 6306801567223 Option 3 ID: 6306801567224 Option 4 ID: 6306801567225 Status: Answered

Chosen Option : 3

Q.8 In which plant tissue does photosynthesis primarily occur?

Ans X 1. Xylem

X 2. Phloem

3. Mesophyll

X 4. Epidermis

Question ID : 630680540423 Option 1 ID : 6306802112780 Option 2 ID : 6306802112781 Option 3 ID : 6306802112782 Option 4 ID : 6306802112779

Status: Answered

Chosen Option: 1

Q.9 What is the full form of 'CC' in the context of email?

Ans X 1. Common Copy

2. Carbon Copy

X 3. Confidential Copy

X 4. Copy Communication

Question ID: 630680571940 Option 1 ID: 6306802236656 Option 2 ID: 6306802236657 Option 3 ID: 6306802236658 Option 4 ID: 6306802236659

Status: Answered

Q.10 _____ was announced as part of the Atma Nirbhar Bharat Package in 2020 with the objective to help businesses including MSMEs to meet their operational liabilities and resume businesses in view of the distress caused by the COVID-19 crisis, by providing Member Lending Institutions (MLIs), 100 percent guarantee against any losses suffered by them due to non-repayment of the ECLGS funding by borrowers.'

Ans 1. Emergency Credit Line Guarantee Scheme

X 2. Mission Karmayogi

X 3. Sahakar Pragya Yojana

X 4. Stand-up India

Question ID : 630680481139 Option 1 ID : 6306801879124 Option 2 ID : 6306801879125 Option 3 ID : 6306801879126 Option 4 ID : 6306801879127 Status : Answered

Chosen Option : 1

Q.11 The Parliamentary government is also known by which other names?

- 1: Cabinet government
- 2: Responsible government
- 3: Westminster model of government
- 4: Fixed executive system of government

Ans X 1. Only 1, 3 and 4

2. Only 1, 2 and 3

X 3. Only 1, 2 and 4

X 4. Only 2, 3 and 4

Question ID: 630680426506 Option 1 ID: 6306801664110 Option 2 ID: 6306801664111 Option 3 ID: 6306801664112 Option 4 ID: 6306801664113

Status : Answered

Chosen Option : 1

Q.12 Which of the following is not a rock?

Ans X 1. Limestone

2. Quartz

X 3. Marble

X 4. Granite

Question ID: 630680546829 Option 1 ID: 6306802137884 Option 2 ID: 6306802137886 Option 3 ID: 6306802137883 Option 4 ID: 6306802137885

Status : Answered

Q.13 Soy milk is produced from: Ans X 1. cow X 2. goat X 3. buffalo 4. soyabeans Question ID: 630680396869 Option 1 ID: 6306801547544 Option 2 ID: 6306801547545 Option 3 ID: 6306801547546 Option 4 ID: 6306801547547 Status: Answered Chosen Option: 4 Q.14 Which Article of the Constitution of India guarantees the Right to Constitutional Remedies? Ans X 1. Article 28 X 2. Article 29 X 3. Article 30 4. Article 32 Question ID: 630680426439 Option 1 ID: 6306801663842 Option 2 ID: 6306801663843 Option 3 ID: 6306801663844 Option 4 ID: 6306801663845 Status: Not Answered Chosen Option: --Q.15 Sachindra Nath Sanyal established a branch of Anushilan Samiti at Patna in which of the following years? X 1. 1920 Ans X 2. 1925 X 3. 1929 **4**. 1913 Question ID: 630680511597 Option 1 ID: 6306801999511 Option 2 ID: 6306801999512 Option 3 ID: 6306801999513 Option 4 ID: 6306801999510 Status: Answered Chosen Option: 1

Q.16 A man started working in a factory where he needed to deal with steam and boiling water regularly. On the first day, his doctor warned him to be more careful of the steam because burns caused by steam can be more severe than that of hot water. What is the reason behind this? X 1. Steam cannot be seen Ans X 2. Steam is odourless 3. Steam has more latent heat of vaporisation X 4. Steam can remain stuck to the body Question ID: 630680402654 Option 1 ID: 6306801570215 Option 2 ID: 6306801570216 Option 3 ID: 6306801570217 Option 4 ID: 6306801570218 Status: Answered Chosen Option: 3 Q.17 All India Padma Shri Mohd. Shahid Invitational Prize Money Men's Hockey Tournament 2023 was organised in _____, Uttar Pradesh. X 1. Kanpur X 2. Lucknow 3. Varanasi X 4. Gorakhpur Question ID: 630680460158 Option 1 ID: 6306801797078 Option 2 ID: 6306801797079 Option 3 ID: 6306801797080 Option 4 ID: 6306801797081 Status: Answered Chosen Option : 2 Q.18 According to 'Basic Animal Husbandry Statistics 2023', which state has the highest production of Milk during the year 2022-2023? 1. Uttar Pradesh X 2. Gujarat X 3. Maharashtra X 4. Rajasthan Question ID: 630680510947 Option 1 ID: 6306801996920 Option 2 ID: 6306801996919 Option 3 ID: 6306801996918 Option 4 ID: 6306801996921 Status: Answered Chosen Option: 2

Q.19 Which of the following princely states was annexed by the East India Company in the year 1852 AD under the Doctrine of Lapse? Ans 1. Udaipur X 2. Satara X 3. Sambalpur X 4. Nagpur Question ID: 630680511563 Option 1 ID: 6306801999377 Option 2 ID: 6306801999375 Option 3 ID: 6306801999374 Option 4 ID: 6306801999376 Status: Not Answered Chosen Option: --Q.20 What was the child sex-ratio as per Census 2011 of India? Ans X 1. 1000 X 2.890 **3.919** X 4. 1024 Question ID: 630680477218 Option 1 ID: 6306801864033 Option 2 ID: 6306801864034 Option 3 ID: 6306801864035 Option 4 ID: 6306801864036 Status: Not Answered Chosen Option: --Q.21 Who discovered the staining technique called 'Black Reaction', which was capable of revealing neurons in their entirety? X 1. Robert Remak Ans X 2. Albert Kolliker 3. Camillo Golgi X 4. Jacques Loeb Question ID: 630680404310 Option 1 ID: 6306801576742 Option 2 ID: 6306801576743 Option 3 ID: 6306801576744 Option 4 ID: 6306801576745 Status: Not Answered Chosen Option: --Q.22 The Malwa Plateau is located in which of the following states? Ans X 1. Jharkhand X 2. Karnataka X 3. Tamil Nadu 4. Madhya Pradesh Question ID: 630680510930 Option 1 ID: 6306801996851

Option 1 ID: 630680510930
Option 1 ID: 6306801996851
Option 2 ID: 6306801996853
Option 3 ID: 6306801996852
Option 4 ID: 6306801996850
Status: Not Answered

Q.23 In 1946, BN Rao was formally appointed as ______ to the core drafting Committee of the Indian Constitution.

Ans 1. Constitutional Advisor

X 2. Chief Draftsman

X 3. Vice-Chairman

X 4. Anglo-Indian Representative

Question ID : 630680493461 Option 1 ID : 6306801927583 Option 2 ID : 6306801927584 Option 3 ID : 6306801927585 Option 4 ID : 6306801927586 Status : Answered

Chosen Option : 2

Q.24 Who among the following was the first and the longest serving attorney general of India?

Ans X 1. Milon Kumar Banerji

X 2. Niren De

3. Motilal Chimanlal Setalvad

X 4. Lal Narayan Sinha

Question ID: 630680407970
Option 1 ID: 6306801590754
Option 2 ID: 6306801590755
Option 3 ID: 6306801590756
Option 4 ID: 6306801590757
Status: Not Answered

Chosen Option: --

Q.25 Ajit Pawar, who took oath as the Deputy Chief Minister of Maharashtra on 2 July 2023, belongs to which political party?

Ans 1. Nationalist Congress Party (NCP)

X 2. Jan Adhikar Party (JAP)

X 3. Rashtriya Samaj Paksha (RSP)

X 4. Maharashtra Navnirman Sena (MNS)

Question ID: 630680412661
Option 1 ID: 6306801609467
Option 2 ID: 6306801609468
Option 3 ID: 6306801609469
Option 4 ID: 6306801609470
Status: Not Answered

Chosen Option : --

Q.26 Who among the following was the governor of Telangana as the end of 2023?

Ans 🧳 1. Tamilisai Soundararajan

X 2. Ganesh Lal

X 3. Baby Rani Maurya

🗡 4. Kalraj Mishra

Question ID: 630680513793
Option 1 ID: 6306802007797
Option 2 ID: 6306802007798
Option 3 ID: 6306802007799
Option 4 ID: 6306802007800
Status: Answered

Q.27 What is the impact of ocean acidification on coral reefs and shell-forming organisms?

Ans X 1. Ocean acidification has no impact on coral reefs.

X 2. Ocean acidification enhances coral growth.

3. Ocean acidification weakens coral skeletons and affects shell formation.

X 4. Ocean acidification increases coral biodiversity.

Question ID: 630680615263
Option 1 ID: 6306802407726
Option 2 ID: 6306802407727
Option 3 ID: 6306802407728
Option 4 ID: 6306802407729
Status: Not Answered

Chosen Option: --

Q.28 Which food item has pH value between 2 and 3? This value makes it acidic.

Ans X 1. Blackberry juice

2. Lemon juice

X 3. Apple juice

X 4. Tomato juice

Question ID : 630680404437 Option 1 ID : 6306801577250 Option 2 ID : 6306801577248 Option 3 ID : 6306801577249 Option 4 ID : 6306801577251 Status : Answered

Chosen Option: 2

Q.29 Which of the following is NOT a vector quantity?

Ans X 1. Acceleration

X 2. Velocity

X 3. Force

4. Mass

Question ID: 630680407782 Option 1 ID: 6306801590069 Option 2 ID: 6306801590066 Option 3 ID: 6306801590067 Option 4 ID: 6306801590068

Status: Answered

Chosen Option : 4

Q.30 According to Census of India 2011, which state recorded the highest literacy rate in India?

Ans 🗳 1. Kerala

X 2. Goa

X 3. Punjab

X 4. Mizoram

Question ID: 630680477338

Option 1 ID: 6306801864509

Option 2 ID: 6306801864510

Option 3 ID: 6306801864511

Option 4 ID: 6306801864512

Status: Answered

Q.31 Which of the following is INCORRECT about cooking of food?

Ans 💢 1. Makes it easier to digest

X 2. Results in the loss of certain nutrients

X 3. Destroys vitamin C easily

4. Destroys vitamin D easily

Question ID: 630680595217 Option 1 ID: 6306802329069 Option 2 ID: 6306802329070 Option 3 ID: 6306802329071 Option 4 ID: 6306802329072 Status: Answered

Chosen Option: 2

Q.32 Basanti Bisht, a Padma Shri awardee, is an Indian folk singer from which of the following states?

Ans 1. Uttarakhand

X 2. Rajasthan

X 3. Maharashtra

X 4. Punjab

Question ID : 630680415788 Option 1 ID : 6306801621902 Option 2 ID : 6306801621900 Option 3 ID : 6306801621901 Option 4 ID : 6306801621899 Status : Answered

Chosen Option: 3

Q.33 In electricity overloading cannot be caused by:

Ans X 1. connecting too many appliances to a single socket

2. accidental hike in the supply voltage

X 3. the live wire coming in direct contact with the neutral wire

Question ID : 630680419682 Option 1 ID : 6306801637221 Option 2 ID : 6306801637222 Option 3 ID : 6306801637223 Option 4 ID : 6306801637224 Status : Answered

Chosen Option: 1

Q.34 Which of the following parts of an email is used to indicate the sender and recipient details, as well as the date and time?

Ans X 1. Subject line

X 2. Body

3. Email header

X 4. Attachment

Question ID: 630680571950 Option 1 ID: 6306802236696 Option 2 ID: 6306802236697 Option 3 ID: 6306802236698 Option 4 ID: 6306802236699 Status: Answered

Q.35 What specialised nerve cells does the phylum Cnidaria have to capture and stun prey such as water fleas and plankton? Ans X 1. collar cell 2. stinging cell X 3. flame cell X 4. chief cell Question ID: 630680404149 Option 1 ID: 6306801576082 Option 2 ID: 6306801576083 Option 3 ID: 6306801576084 Option 4 ID: 6306801576085 Status: Not Answered Chosen Option: --Q.36 As of March 2023, who among the following is the Union Minister of Jal Shakti? X 1. Dharmendra Pradhan 2. Ramesh Pokhriyal 3. Gajendra Singh Shekhawat X 4. Giriraj Singh Question ID: 630680513887 Option 1 ID: 6306802008176 Option 2 ID: 6306802008173 Option 3 ID: 6306802008175 Option 4 ID: 6306802008174 Status: Not Answered Chosen Option: --Q.37 Who among the following Sultans of the Khilji dynasty started giving cash salary to his soldiers and controlled the market during his reign? Ans X 1. Jalal-ud-din Khilji X 2. Qutb-ud-din Mubarak 💢 3. Shihab-ud-din Omar 4. Alauddin Khilji Question ID: 630680511628 Option 1 ID: 6306801999635 Option 2 ID: 6306801999636 Option 3 ID: 6306801999637 Option 4 ID: 6306801999634 Status: Not Answered Chosen Option: --Q.38 Which level of ecological organisation includes all the different species living in a particular area? 1. Community Ans X 2. Population X 3. Ecosystem X 4. Habitat

Question ID: 630680412052
Option 1 ID: 6306801607043
Option 2 ID: 6306801607044
Option 3 ID: 6306801607045
Option 4 ID: 6306801607046
Status: Answered

Q.39 Which of the following bills was introduced in the Rajya Sabha by the Ministry of Law and Justice on 10 August 2023?

Ans \$\square\$ 1. The Chief Election Commissioner and other Election Commissioners (Appointment Conditions of Service and Term of Office) Bill, 2023

X 2. The Bharatiya Nyaya Sanhita Bill, 2023

X 3. The Digital Personal Data Protection Bill, 2023

X 4. The Repealing and Amending Bill, 2023

Question ID: 630680411230
Option 1 ID: 6306801603672
Option 2 ID: 6306801603673
Option 3 ID: 6306801603674
Option 4 ID: 6306801603675
Status: Not Answered

Chosen Option: --

Q.40 Anupama Bhagwat is associated with which of the following musical instruments?

Ans X 1. Mridangam

2. Sitar

💢 3. Sarangi

X 4. Surbahar

Question ID : 630680412047 Option 1 ID : 6306801607023 Option 2 ID : 6306801607025 Option 3 ID : 6306801607026 Option 4 ID : 6306801607024 Status : Not Answered

Chosen Option: --

Q.41 Identify whether the following statements are true (T) or false (F) with respect to the weather conditions of a place and select the correct option.

A. It refers to change in temperature over a few years.

B. It depends on the elevation of the area.

C. It refers to temperature fluctuation within a day.

Ans X 1. FFF

X 2. TTT

X 3. TTF

√ 4. FTT

Question ID: 630680546822 Option 1 ID: 6306802137856 Option 2 ID: 6306802137855 Option 3 ID: 6306802137857 Option 4 ID: 6306802137854

Status : Answered

Q.42 In business, what is a 'supply chain'? Ans X 1. A series of businesses that supply products to one another X 2. The chain of command in a corporation 3. A network of all entities involved in producing and delivering a product X 4. The total stock of a product in a market Question ID: 630680460238 Option 1 ID: 6306801797398 Option 2 ID: 6306801797399 Option 3 ID: 6306801797400 Option 4 ID: 6306801797401 Status: Answered Chosen Option: 3 Q.43 Which of the following institutions is referred to as 'lender of last resort'? Ans X 1. NABARD X 2. SBI √ 3. RBI X 4. SEBI Question ID: 630680402075 Option 1 ID: 6306801567992 Option 2 ID: 6306801567993 Option 3 ID: 6306801567994 Option 4 ID: 6306801567995 Status: Answered Chosen Option: 3 Q.44 The National Awards to Teachers were first instituted in _ **Ans** 1. 1958 X 2. 1972 X 3. 1947 X 4. 1964 Question ID: 630680394645 Option 1 ID: 6306801538867 Option 2 ID: 6306801538869 Option 3 ID: 6306801538866 Option 4 ID: 6306801538868 Status: Not Answered Chosen Option: --Q.45 The '_ Devi Narmade' scheme has been undertaken by the government of Madhya Pradesh for the conservation of River Narmada. Ans 1. Namami X 2. Pavitra X 3. Jal X 4. Mata

Question ID: 630680510966
Option 1 ID: 6306801996996
Option 2 ID: 6306801996997
Option 3 ID: 6306801996995
Option 4 ID: 6306801996994
Status: Not Answered

	The Amrit Bharat Station Scheme launched in 2023 envisages t stations for upgradation/modernisation over the Indian Railway	o take-up
Ans	X 1. 1108	
	★ 2. 1234	
	✓ 3. 1309	
	X 4. 1405	
		Question ID : 630680455410 Option 1 ID : 6306801778554
		Option 2 ID : 6306801778555
		Option 3 ID : 6306801778556
		Option 4 ID : 6306801778557
		Status : Not Answered
		Chosen Option :
.47	In December 1885,delegates from various parts of Inclindian National Congress.	lia established the
ns	X 1. 43	
	X 2. 57	
	★ 3. 61	
	✓ 4. 72	
		Question ID : 630680572364
		Option 1 ID : 6306802238296 Option 2 ID : 6306802238297
		Option 3 ID : 6306802238298
		Option 4 ID : 6306802238299
		Status : Not Answered
		Chosen Option :
.48	The SI unit of which fundamental physical quantity is named in Augustin Coulomb?	the honour of Charles
Ans	X 1. Electric field	
	X 2. Electric current density	
	X 3. Electric power	
	O. Electric power	
	✓ 4. Electric charge	
		0 11 12 22222
		Question ID : 630680402060 Option 1 ID : 6306801567940
		Option 1 ID : 6306801567940
		Option 1 ID : 6306801567940 Option 2 ID : 6306801567941 Option 3 ID : 6306801567939 Option 4 ID : 6306801567938
		Option 1 ID : 6306801567940 Option 2 ID : 6306801567941 Option 3 ID : 6306801567939

Q.49 Which of the following is NOT a part of the Directive Principles of State Policy of the Constitution of India?

Ans X 1. Protection and improvement of environment and safeguarding of forests and wildlife

X 2. Protection of monuments and places and objects of national importance

 χ 3. Provision for early childhood care and education to children below the age of six years

Question ID: 630680568380

Option 1 ID: 6306802222329

Option 2 ID: 6306802222330

Option 3 ID: 6306802222331

Option 4 ID: 6306802222332

Status: Not Answered

Chosen Option: --

Q.50 The Greek letter 'Omega' is used to represent which physical quantity in the International System of Units (SI)?

Ans X 1. Electrical conductance

X 2. Electric displacement field

X 3. Electric potential difference

4. Electric resistance

Question ID: 630680402071
Option 1 ID: 6306801567977
Option 2 ID: 6306801567979
Option 3 ID: 6306801567978
Option 4 ID: 6306801567976
Status: Answered

Chosen Option : 4

Section: General Engineering Civil and Structural

Q.1 A downward pointing equilateral triangle, having a red border and a white background

is a

Ans 💜 1. give way sign

X 2. warning sign

X 3. danger sign

X 4. stop sign

Question ID : **630680509076** Option 1 ID : **6306801989601**

Option 2 ID : **6306801989599** Option 3 ID : **6306801989602**

Option 4 ID: 6306801989600

Status : Answered

Q.2 A T-section is designated by ISNT 150 @ 223.7 N/m. What are the meanings of 150 and 223.7?

X 1. It is 150 mm thick and the self-weight is 223.7 kg per metre length. Ans

X 2. It is 150 mm deep and the self-weight is 223.7 kg per metre length.

X 4. It is 150 mm thick and the self-weight is 223.7 N per metre length.

Question ID: 630680509643 Option 1 ID: 6306801991780 Option 2 ID: 6306801991777 Option 3 ID: 6306801991778 Option 4 ID: 6306801991779 Status: Answered

Chosen Option: 4

Q.3 The following observation was made for a construction project where RL of the bench mark (BM) at Point A (bottom of a lintel) was 101.50 m. The staff reading (inverted) on BM was 2.25 m and the reading at Point B on ground

before the instrument was shifted was 1.05 m. After the change point, the staff reading to Point B measured 1.35 m. If the last reading was taken at the bottom of a canopy (Point C) with staff inverted was 4.100 m, RL of Point C was

Ans X 1. 102.65 m

X 2. 102.30 m

X 4. 103.30 m

Question ID: 630680506210 Option 1 ID: 6306801978358 Option 2 ID: 6306801978359 Option 3 ID: 6306801978360 Option 4 ID: 6306801978357 Status: Not Answered

Chosen Option: --

Q.4 Which characteristic of fine aggregates indicates their ability to retain water and affects the workability of concrete or mortar mix?

Ans X 1. Particle size distribution

2. Water absorption

X 3. Fineness modulus

X 4. Specific gravity

Question ID: 630680357663 Option 1 ID: 6306801392643 Option 2 ID: 6306801392644 Option 3 ID: 6306801392642 Option 4 ID: 6306801392641 Status: Answered

Q.5 Which of the following statements are correct with respect to grain size distribution curve?

I: The grain size distribution curve, having a horizontal line (parallel to x-axis) for some distance, shows poorly graded soil.

II: The grain size distribution curve, having a horizontal line (parallel to x-axis) for some distance, shows gap graded soil.

III: If the value of Cu (coefficient of uniformity) is large, it shows the presence of wide range of size of particles.

IV: If the value of Cu (coefficient of uniformity) is large, it shows the presence of narrow range of size of particles.

Ans X 1. II and IV

X 2. I and III

X 3. I and IV

4. II and III

Question ID : 630680504532 Option 1 ID : 6306801971692 Option 2 ID : 6306801971689 Option 3 ID : 6306801971690 Option 4 ID : 6306801971691 Status : Not Answered

Chosen Option: --

Q.6 Which of the following sewer sections has the least perimeter for a given crosssectional area?

Ans X 1. Rectangular sewer

X 2. Egg-shaped sewer

X 3. Parabolic sewer

4. Circular sewer

Question ID: 630680509479
Option 1 ID: 6306801991186
Option 2 ID: 6306801991188
Option 3 ID: 6306801991187
Option 4 ID: 6306801991185
Status: Not Answered

Chosen Option : --

Q.7 What is the meaning of a signal 'Left arm extended' given by a surveyor?

Ans 1. Continue to move towards your left

X 2. Move considerably towards your left

X 3. Plumb the rod towards your left

X 4. Move slowly towards your left

Question ID : **630680163142** Option 1 ID : **630680631793**

Option 2 ID : **630680631794** Option 3 ID : **630680631795** Option 4 ID : **630680631792**

Status : Answered

Q.8 Which of the following defects in timber occurs due to the faulty method of seasoning of timber?

Ans

X 1. Burl

X 2. Wet rot

X 3. Shakes

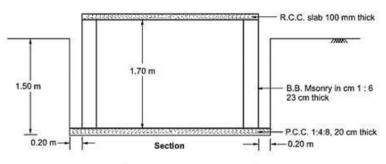
4. Honeycombing

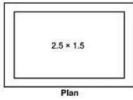
Question ID: 630680509685 Option 1 ID: 6306801991946 Option 2 ID: 6306801991947 Option 3 ID: 6306801991948 Option 4 ID: 6306801991945

Status: Answered

Chosen Option: 4

Q.9 Calculate the quantity of excavation of foundation for the given water tank.





Ans \times 1. 1.36 x 4.36 x 1.5 m³

√ 2. 3.36 x 2.36 x 1.5 m³

X 3. 2.36 x 5.36 x 1.5 m³

× 4. 4.36 x 2.36 x 1.5 m³

Question ID: 630680339570

Option 1 ID: 6306801320803 Option 2 ID: 6306801320801 Option 3 ID: 6306801320804

Option 4 ID: 6306801320802

Status: Not Answered

Q.10 Which of the following operation is meant for manual or automatic process by which air present in a centrifugal pump and its suction line is removed by filling liquid.

Ans X 1. starting of the electric motor

X 2. closure of the delivery valve

X 3. the lubrication

4. closure of the suction valve

Question ID: 630680206154 Option 1 ID: 630680799417 Option 2 ID: 630680799416 Option 3 ID: 630680799418 Option 4 ID: 630680799415 Status: Answered

Chosen Option: 1

Q.11 What is potential head?

Ans X 1. Kinetic energy per unit weight of fluid particle

2. Potential energy per unit weight of fluid particle

X 3. Potential energy per unit mass of fluid particle

X 4. Pressure energy per unit weight of fluid particle

Question ID: 630680506971 Option 1 ID: 6306801981390 Option 2 ID: 6306801981391 Option 3 ID: 6306801981392 Option 4 ID: 6306801981389 Status: Not Answered

Chosen Option: --

Q.12 Which of the following is a requirement for thermal insulation in materials?

Ans X 1. High temperature resistance

2. Low thermal conductivity

X 3. High permeability

X 4. Low density

Question ID: 630680198726 Option 1 ID: 630680770864 Option 2 ID: 630680770865 Option 3 ID: 630680770866 Option 4 ID: 630680770863 Status: Answered

Chosen Option: 1

Q.13 Which of the following precaution is generally followed in cold weather concreting and not in hot weather concreting?

Ans X 1. Covering the finished concrete surface by impermeable sheet

2. Sprinkling of formwork with cooled water

X 4. Cooling of aggregates

Question ID: 630680503283
Option 1 ID: 6306801966719
Option 2 ID: 6306801966718
Option 3 ID: 6306801966720
Option 4 ID: 6306801966717
Status: Answered

Q.14 In a barometer, air is trapped in the space labelled 'A above the mercury level in the tube of the barometer, which measures 730 mmHg. If the atmospheric pressure is 750 mmHg, then the pressure of the trapped air is:

X 2. 730 mmHg

X 3. 750 mmHg

X 4. 745 mmHg

Question ID: 630680506948
Option 1 ID: 6306801981298
Option 2 ID: 6306801981297
Option 3 ID: 6306801981300
Option 4 ID: 6306801981299

Status: Answered

Chosen Option: 4

Q.15 Which of the following is NOT a bio-pesticide that helps in reducing soil pollution?

Ans X 1. Azadirachta indica

X 2. Bacillus thuringiensis

X 3. Trichogramma

4. Endosulphan

Question ID: 630680509504
Option 1 ID: 6306801991286
Option 2 ID: 6306801991285
Option 3 ID: 6306801991287
Option 4 ID: 6306801991288
Status: Not Answered

Chosen Option: --

Q.16 The modulus of elasticity of a material is:

Ans X 1. not referred to as Young's modulus

2. only defined in the linearly elastic region

X 3. having the same unit as that of strain

X 4. equal to the slope of the strain-stress curve

Question ID : **630680509117** Option 1 ID : **6306801989766**

Option 2 ID : **6306801989763** Option 3 ID : **6306801989765**

Option 4 ID : **6306801989764**Status : **Answered**

Q.17 Estimate the earthwork quantity by traphezoidal formula method, for the construction of an approach road, whose length is 500m, base width of embankment =10m, height of embankment=70 cm and side slope = 1H:2V.

Ans X 1. 5000 cu. m

X 2. 4500 cu. m

X 3. 2500 cu. m

√ 4. 3377.5 cu. m

Question ID : 630680504084

Option 1 ID : 6306801969899

Option 2 ID : 6306801969900

Option 3 ID : 6306801969897

Option 4 ID : 6306801969898

Status : Not Answered

Chosen Option: --

Q.18 A road embankment with cross-sectional area of 100 m² is constructed with an average gradient of 1 in 50 from contour 200 m to 250 m. Find the volume of the earth work

Ans X 1. 5000 m³

√ 2. 250000 m³

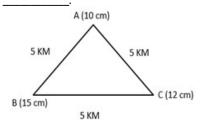
X 3. 22500 m³

X 4. 1250000 m³

Question ID: 630680506242
Option 1 ID: 6306801978485
Option 2 ID: 6306801978486
Option 3 ID: 6306801978488
Option 4 ID: 6306801978487
Status: Not Answered

Chosen Option : --

Q.19 The figure below represents a catchment area with the precipitations observed in a year. The mean precipitation calculated by using the Thiessen polygon method is



Ans X 1. 14.46 cm

X 2. 13.45 cm

√ 3. 12.33 cm

X 4. 11.28 cm

Question ID: 630680504301 Option 1 ID: 6306801970767 Option 2 ID: 6306801970765 Option 3 ID: 6306801970766 Option 4 ID: 6306801970768

Status : Not Answered

Q0	Hazard markers should reflect of about	light, visible at least from a distance	
Ans	× 1. yellow; 500 m		
	X 2. red; 150 m		
	X 3. red; 500 m		
	✓ 4. yellow; 150 m		
	4. yellow, 150 III		
		Question ID : 630680509069	
		Option 1 ID : 6306801989574	
		Option 2 ID : 6306801989571	
		Option 3 ID : 6306801989573	
		Option 4 ID : 6306801989572	
		Status: Not Answered	
		Chosen Option :	
Q.21	Select the correct statement while designethod.	ning a singly reinforced beam in the limit state	
Ans	X 1. Only over reinforced beams are de	signed.	
	X 2. Under reinforced beams have brittle	e failure.	
	3. A designer may have multiple solution	tions.	
	X 4. Under reinforced beams have minimum cross section area.		
		Question ID : 630680509664	
		Option 1 ID : 6306801991862	
		Option 2 ID : 6306801991864	
		Option 3 ID : 6306801991861	
		Option 4 ID : 6306801991863	
		Status : Not Answered	
		Chosen Option :	
ე.22	During construction of roads, a feature	that facilitates drainage of the pavement	
Ans	laterally is called 1. camber		
	× 2. shoulder		
	X 3. median		
	X 4. kerbs		
	4. Kelbs		
		Question ID : 630680198262	
		Option 1 ID: 630680769222	
		Option 2 ID : 630680769220	
		Option 3 ID : 630680769221	
		Option 4 ID : 630680769219	
		· ·	
		Status : Answered Chosen Option : 1	

Q.23 Which of the following methods is/are used for disposal of the municipal solid waste?

I: Sanitary landfilling

II: Shredding or pulverisation

III: Barging out into the sea

Ans X 1. Only II

2. All of I, II and III

X 3. Only I

X 4. Only I and II

Question ID : **630680509492** Option 1 ID : **6306801991239** Option 2 ID : **6306801991240**

Option 3 ID : **6306801991237** Option 4 ID : **6306801991238**

Status : Answered

Chosen Option: 3

Q.24 The upper limit on percentage longitudinal reinforcement in an RCC column has been kept in mind to serve which of the given option?

Ans X 1. To stop buckling of the column

X 2. To limit the size of the column

X 3. To limit the ductility of the column

4. To cater easy placement and compaction of concrete in the column

Question ID: 630680509655

Option 1 ID: 6306801991828 Option 2 ID: 6306801991825 Option 3 ID: 6306801991826

Option 4 ID : 6306801991827

Status : Answered

Chosen Option : 3

Q.25 Match the following.

0.5	Type of Water Pollution	Agent	
I.	Physical pollution	A. Sewage	
II.	Chemical pollution	B. Chromium	
III.	Bacteriological pollution	C. Fungi	

Ans X 1. I-B, II-C, III-A

X 2. I-A, II-C, III-B

X 4. I-B, II-A, III-C

Question ID: 630680509498

Option 1 ID: 6306801991264

Option 2 ID: 6306801991262

Option 3 ID: 6306801991261

Option 4 ID : 6306801991263

Status : Answered

Question ID: 630680509515 Option 1 ID: 6306801991331 Option 2 ID: 6306801991329 Option 3 ID: 6306801991332 Option 4 ID: 6306801991330 Status: Answered

Chosen Option: 1

Q.27 Which of the following factors is NOT considered while preparing a detailed estimate?

Ans X 1. Specifications for different items of work

2. Departmental charges

X 3. Transportation of materials

X 4. Quantity of the materials

Question ID: 630680504073
Option 1 ID: 6306801969855
Option 2 ID: 6306801969853
Option 3 ID: 6306801969856
Option 4 ID: 6306801969854
Status: Answered

Chosen Option : 2

Q.28 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason.

Assertion: Rivers that flow through catchment areas having steep slopes carry a lot of sediment.

Reason: Steep slopes lead to high velocity of the flow, which causes more erosion of the surface soil.

Ans X 1. Both Assertion and Reason are false.

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

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

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

> Question ID : 630680504335 Option 1 ID : 6306801970904 Option 2 ID : 6306801970903 Option 3 ID : 6306801970902 Option 4 ID : 6306801970901 Status : Answered

Q.29 In the context of vehicular characteristics and efficiency of brakes, braking distance

Ans

√ 1. inversely proportional to design coefficient of friction

X 2. directly proportional to design coefficient of friction

X 3. inversely proportional to speed of vehicle

X 4. directly proportional to speed of vehicle

Question ID: 630680377343 Option 1 ID: 6306801470436 Option 2 ID: 6306801470435 Option 3 ID: 6306801470437 Option 4 ID: 6306801470438

Status : Answered

Chosen Option: 4

Q.30 Identify whether the following statements about sanitary landfill are true or false.

Statement I: There is continuous evolution of foul gases near the fill side. Statement II: During rainy season, leachate may come out of the dump.

Statement III: The method requires further treatments for completion.

Ans X 1. Statement I is true, but Statements II and III are false

✓ 2. Statements I and II are true, but Statement III is false

X 3. Statements I and II are false and Statement III is true

X 4. Statements I and III are true, but Statement II is false

Question ID: 630680509488 Option 1 ID: 6306801991222 Option 2 ID: 6306801991221 Option 3 ID: 6306801991223 Option 4 ID: 6306801991224

Status : **Not Answered**Chosen Option : --

Q.31 The prestressed concrete pavements for highways can be built without joints in continuous length up to how many metres?

Ans X 1. 45 metres

X 2. 60 metres

X 3. 90 metres

√ 4. 120 metres

Question ID: 630680509456

Option 1 ID: 6306801991096 Option 2 ID: 6306801991093 Option 3 ID: 6306801991095

Option 4 ID: 6306801991094

Status: Not Answered

Q.32 The velocity components of a two-dimensional plane motion of a fluid with constant density are $u = 2x - x^2y$ and $v = xy^2 - 2y$. Which of the following is the correct statement?

Ans X 1. The fluid is compressible and flow is steady.

X 2. The fluid is incompressible and flow is unsteady.

X 3. The fluid is compressible and flow is unsteady.

Question ID: 630680506969
Option 1 ID: 6306801981383
Option 2 ID: 6306801981382
Option 3 ID: 6306801981384
Option 4 ID: 6306801981381
Status: Not Answered

Chosen Option: --

Q.33 As per IS 456:2000, the maximum compressive strain at highly compressed fiber in RCC column subjected to bending and axial compression is given by: (Consider no tension in the section).

Ans

✓ 1. 0.0035 – 0.75 × (strain at the least compressed extreme fiber)

X 2. 0.0035 + 0.75 × (strain at the least compressed extreme fiber)

X 3. 0.002 + 0.75 × (strain at the least compressed extreme fiber)

X 4. 0.002 - 0.75 × (strain at the least compressed extreme fiber)

Question ID: 630680509666 Option 1 ID: 6306801991870 Option 2 ID: 6306801991869 Option 3 ID: 6306801991871 Option 4 ID: 6306801991872 Status: Not Answered

Chosen Option: --

Q.34 Continuity equation used for fluid flowing through pipes is based on principle of

Ans X 1. Conservation of energy

X 2. Conservation of momentum

X 3. Conservation of energy and momentum

4. Conservation of mass

Question ID : 630680506970
Option 1 ID : 6306801981385
Option 2 ID : 6306801981386
Option 3 ID : 6306801981388
Option 4 ID : 6306801981387
Status : Answered

X 2. the sum of Suction head and the liquids vapor head

2. the sum of ouction head and the liquids vapor head

X 3. the product of Suction head and the liquids vapor head

√ 4. the difference between Suction head and the liquids vapor head

Question ID: 630680506957 Option 1 ID: 6306801981335 Option 2 ID: 6306801981334 Option 3 ID: 6306801981336 Option 4 ID: 6306801981333 Status: Not Answered

Chosen Option: --

Q.36 Which of the following is a limitation of lightweight concrete when compared to conventional type concrete?

Ans X 1. Reduced density

2. Increased permeability

X 3. Enhanced thermal property

X 4. Higher fire resistance

Question ID: 630680340572
Option 1 ID: 6306801324729
Option 2 ID: 6306801324731
Option 3 ID: 6306801324732
Option 4 ID: 6306801324730
Status: Not Answered

Chosen Option: --

Q.37 The waste from printers, scanners, refrigerators, etc. is called _____

Ans X 1. electrical waste

X 2. industrial waste

3. e-waste

X 4. municipal waste

Question ID : 630680509487 Option 1 ID : 6306801991219 Option 2 ID : 6306801991218 Option 3 ID : 6306801991217 Option 4 ID : 6306801991220 Status : Answered

Chosen Option: 3

Q.38 What amount of principle reinforcement materials is used in pultrusion process?

X 2. 22% - 38%

X 3. 85% - 92%

X 4.5% - 22%

Question ID: 630680198721 Option 1 ID: 630680770845 Option 2 ID: 630680770844 Option 3 ID: 630680770846 Option 4 ID: 630680770843 Status: Not Answered

	X 3. equal to P/2, only at the free end			
		Question ID: 630680338732 Option 1 ID: 6306801317582 Option 2 ID: 6306801317584 Option 3 ID: 6306801317581 Option 4 ID: 6306801317583 Status: Answered Chosen Option: 3		
		опознории г		
15	As per IS 456 :2000, the permissible limit for inorganic solids present in water that is used for construction activities is 1. 3000 mg/l 2. 1100 mg/l 3. 2400 mg/l 4. 150 mg/l			
		Question ID: 630680199420 Option 1 ID: 630680773322 Option 2 ID: 630680773320 Option 3 ID: 630680773321 Option 4 ID: 630680773319 Status: Answered Chosen Option: 3		
.41	In which type of the finish is the booster or chisel used to parallel marks on the stone surface? These marks may be vertical.			
ns	✓ 1. Dragged or combed finish			
	X 2. Rubbed finish			
	X 3. Hammer dressed finishX 4. Furrowed finish dressing of stones			

Q.42 Automatic rain gauges are in the form of a pen mounted on a clock-driven chart and can give a permanent, automatic rainfall record. Which of the following is an example of automatic rain gauge?

Ans X 1. Hydrometer

2. Float type rain gauge

X 3. Hygrometer

X 4. Symon's rain gauge

Question ID: 630680504285
Option 1 ID: 6306801970703
Option 2 ID: 6306801970702
Option 3 ID: 6306801970704
Option 4 ID: 6306801970701
Status: Answered

Chosen Option: 4

Q.43 Absolute pressure is equal to:

Ans X 1. Gauge pressure – Atmospheric pressure

√ 2. Gauge pressure + Atmospheric pressure

X 3. Atmospheric pressure – Gauge pressure

¥ 4. Atmospheric pressure × Gauge pressure

Question ID: 630680506949
Option 1 ID: 6306801981301
Option 2 ID: 6306801981303
Option 3 ID: 6306801981302
Option 4 ID: 6306801981304
Status: Answered

Chosen Option: 3

Q.44 Which of the following factors contribute(s) to reducing soil pollution?

I: Treating the water courses (drainage line treatment)

II: Gabion structure

III: Use of microbial pesticides

Ans 💜 1. All of I, II and III

X 2. Only I and III

X 3. Only I

X 4. Only I and II

Question ID: 630680509505 Option 1 ID: 6306801991292 Option 2 ID: 6306801991291 Option 3 ID: 6306801991289 Option 4 ID: 6306801991290

Status: Not Answered

Q.45 What is the application of geotechnical engineering in highway pavement design?

Ans X 1. Determination of traffic load

2. Designing the thickness of flexible pavements

X 3. Designing of the footing for rigid pavements

X 4. Analysis of stability of the camber slope

Question ID: 630680181873
Option 1 ID: 630680704727
Option 2 ID: 630680704726
Option 3 ID: 630680704728
Option 4 ID: 630680704729
Status: Not Answered

Chosen Option : --

Q.46 The elements included in the road margins are:

X 1. footpath, shoulder, median, frontage road

X 2. frontage road, shoulder, median, kerbs

X 3. embankment slope, driveway, carriageway, median

4. frontage road, parking lane, footpath, drive way

Question ID: 630680509452
Option 1 ID: 6306801991079
Option 2 ID: 6306801991077
Option 3 ID: 6306801991078
Option 4 ID: 6306801991080
Status: Answered

Chosen Option: 3

Q.47 _____is that branch of science which deals with behaviour of the fluids(liquids or gases) at rest as well as in motion.

Ans X 1. Hydrokinematics

2. Fluid mechanics

X 3. Hydrostatics

X 4. Hydrokinetics

Question ID: 630680206165 Option 1 ID: 630680799461 Option 2 ID: 630680799459 Option 3 ID: 630680799460 Option 4 ID: 630680799462 Status: Answered

Chosen Option: 2

Q.48 What is the primary factor that governs the shear strength of sands?

Ans X 1. Pore pressure

X 2. Cohesion

X 3. Void ratio

4. Friction angle

Question ID: 630680375892
Option 1 ID: 6306801464641
Option 2 ID: 6306801464639
Option 3 ID: 6306801464642
Option 4 ID: 6306801464640
Status: Answered

Q.49 Which types of trees grow inwards and fibrous mass is seen in their longitudinal sections? Ans ✓ 1. Endogenous trees X 2. Deciduous X 3. Exogenous trees X 4. Conifers Question ID: 630680509696 Option 1 ID: 6306801991989 Option 2 ID: 6306801991992 Option 3 ID: 6306801991990 Option 4 ID: 6306801991991 Status: Answered Chosen Option: 2 Q.50 The passive earth pressure for a soil is ------Ans X 1. equal to earth pressure at rest X 2. equal to active earth pressure 3. always greater than active earth pressure X 4. always less than the earth pressure at rest Question ID: 630680504546 Option 1 ID: 6306801971747 Option 2 ID: 6306801971746 Option 3 ID: 6306801971745 Option 4 ID: 6306801971748 Status: Not Answered Chosen Option: --Q.51 Calculate the effective length of a steel column of length 3 m that is effectively held in position at both ends and restrained in rotation at one end? Ans X 1.1 m 🥒 2. 2.4 m X 3. 3.4 m X 4. 1.4 m Question ID: 630680377316 Option 1 ID: 6306801470330 Option 2 ID: 6306801470327 Option 3 ID: 6306801470329 Option 4 ID: 6306801470328 Status: Not Answered Chosen Option: --Q.52 The temperature at which vitrification of low melting clay bricks occurs at a temperature of_ X 1. 300°C-500°C Ans X 2.600°C-800°C √ 3. 900°C-1100°C X 4. 1200°C-1400°C Question ID: 630680357636 Option 1 ID: 6306801392533

Question ID: 630680357636 Option 1 ID: 6306801392533 Option 2 ID: 6306801392534 Option 3 ID: 6306801392535 Option 4 ID: 6306801392536 Status: Not Answered

X 3. loss due to an entrance of the pipe 4. loss due to friction Question ID: 630680506976 Option 1 ID: 6306801981410 Option 2 ID: 6306801981409 Option 3 ID: 6306801981412 Option 4 ID: 6306801981411 Status: Answered Chosen Option: 2 Q.54 The material supported by a retaining wall kept above the horizontal plane at the elevation of the top of the retaining wall is known as: X 1. debris 2. surcharge X 3. infill X 4. backfill Question ID: 630680509654 Option 1 ID: 6306801991823 Option 2 ID: 6306801991824 Option 3 ID: 6306801991821 Option 4 ID: 6306801991822 Status: Answered Chosen Option : 2 Q.55 As per IS 456: 2000, the limiting value for neutral axis depth measured from extreme fibre of a singly reinforced RCC beam with rectangular cross section is___. Consider the grade of steel as Fe-500 and 'd' is effective depth of beam section. Ans X 1. 0.53 d 💢 2. 0.46 d X 3. 0.44 d Question ID: 630680377295 Option 1 ID: 6306801470245 Option 2 ID: 6306801470243 Option 3 ID: 6306801470246 Option 4 ID: 6306801470244 Status: Not Answered Chosen Option: --

Q.53 Which of the following is NOT a reason for minor head loss in pipe flow?

1. loss due to a bend in the pipe2. loss due to an exit of the pipe

between the readings shall be recorded in ____column in case of levelling by rise and fall method. 1. Fall Ans X 2. Rise X 3. R.L. X 4. H.I. Question ID: 630680506240 Option 1 ID: 6306801978478 Option 2 ID: 6306801978477 Option 3 ID: 6306801978479 Option 4 ID: 6306801978480 Status: Answered Chosen Option: 3 Q.57 The value of dynamic gauge (G) used to calculate the super elevation is ____ for broad gauge railway tracks. X 1. 1550 mm Ans X 2. 1900 mm X 3. 1650 mm Question ID: 630680191634 Option 1 ID: 630680743157 Option 2 ID: 630680743160 Option 3 ID: 630680743159 Option 4 ID: 630680743158 Status: Not Answered Chosen Option: --Q.58 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason. Assertion: In urban areas, roofing on built-up areas, concrete and asphalts surfaces are major factors that inhibit infiltration and surface retention. Reason: The presence of pervious surface areas decreases infiltration and initial losses and leads to consequent increase in the effective rainfall. X 1. Both Assertion and Reason are false 2. Assertion is true, but Reason is false. X 3. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion. X 4. Both Assertion and Reason are true and Reason is the correct explanation of Question ID: 630680504298 Option 1 ID: 6306801970756 Option 2 ID: 6306801970755 Option 3 ID: 6306801970754 Option 4 ID: 6306801970753 Status: Not Answered Chosen Option: --

Q.56 When the staff reading increases between two consecutive points, the difference

Q.59 Match the following.

Bin (Colour	Type of Biomedical Waste	
I.	Yellow	A. To be incinerated	
II.	Red	 B. To be autoclaved 	
III.	Black	C. For burial	

Ans X 1. I-B, II-A, III-C

X 2. I-B, II-C, III-A

X 4. I-A, II-C, III-B

Question ID: 630680509463

Option 1 ID: 6306801991123

Option 2 ID: 6306801991124

Option 3 ID: 6306801991121

Option 4 ID: 6306801991122

Status: Not Answered

Chosen Option : --

Q.60 As per Kennedy's theory, the ratio of the mean velocity 'V' to the critical velocity 'VO' is known as the critical velocity ratio. It is denoted by 'm'. If m > 1, _____ will occur.

Ans 🚀 1. scouring

X 2. silting

X 3. neither scouring nor silting

X 4. both scouring and silting

Question ID: 630680504323
Option 1 ID: 6306801970854
Option 2 ID: 6306801970853
Option 3 ID: 6306801970856
Option 4 ID: 6306801970855
Status: Not Answered

Chosen Option: --

Q.61 Which of the fallowing types of construction offers comparatively better earthquake resistance based on its structural action? Consider that the thickness and length of member to be constructed is constant for any of the following cases.

Ans X 1. Brickwork with English bond

2. Reinforced brickwork

X 3. Size stone masonry

¥ 4. Random rubble stone masonry

Question ID: 630680326664 Option 1 ID: 6306801270736 Option 2 ID: 6306801270733 Option 3 ID: 6306801270735 Option 4 ID: 6306801270734

Status : Answered

Q.62 Under which of the following condition an element subjected to stresses is said to be in a state of triaxial stress?

Ans X 1. When the shear stresses acting along three mutually perpendicular directions of the element

X 2. When the stress acting along only one axis of the element

X 3. When the normal stress along two mutually perpendicular direction and shear stress along third direction

Question ID: 630680509113
Option 1 ID: 6306801989748
Option 2 ID: 6306801989747
Option 3 ID: 6306801989750
Option 4 ID: 6306801989749
Status: Not Answered

Chosen Option : --

Q.63 Which of the following is/are the correct reason(s) for closing errors in compass surveying at the time of traversing?

- I. The end station of a traverse generally coincides exactly with its starting station.
- II. There is no error in the magnetic bearing observation.

III. There is an error in the linear distance measurement.

Ans X 1. Only I and II

2. OnlyIII

X 3. Only I and III

X 4. I, II and III

Question ID: 630680382429
Option 1 ID: 6306801490631
Option 2 ID: 6306801490634
Option 3 ID: 6306801490632
Option 4 ID: 6306801490633
Status: Not Answered

Chosen Option : --

Q.64 Which of the following types of foundation is suitable for cohesive soil with high load bearing capacity and load can be distributed over a wide area compared to other foundation types?

Ans X 1. Pier foundation

X 2. Strip foundation

X 3. Pile foundation

4. Raft foundation

Question ID: 630680357667 Option 1 ID: 6306801392660 Option 2 ID: 6306801392657 Option 3 ID: 6306801392658 Option 4 ID: 6306801392659

Status: Not Answered

Q.65 Which irrigation method has the highest irrigation efficiency? X 1. Sprinkler irrigation 2. Drip irrigation X 3. Furrow X 4. Border strip irrigation Question ID: 630680504356 Option 1 ID: 6306801970985 Option 2 ID: 6306801970986 Option 3 ID: 6306801970988 Option 4 ID: 6306801970987 Status: Answered Chosen Option: 2 Q.66 A revised estimate should be accompanied by _ X 1. an administrative sanction 2. a comparative statement X 3. an abstract of bill X 4. a technical sanction Question ID: 630680504125 Option 1 ID: 6306801970063 Option 2 ID: 6306801970061 Option 3 ID: 6306801970064 Option 4 ID: 6306801970062 Status: Answered Chosen Option: 1 Q.67 Which property of timber makes it resistant to corrosion and rust? ✓ 1. Non-metallic composition X 2. Low density X 3. High moisture absorption X 4. High strength Question ID: 630680357671 Option 1 ID: 6306801392675 Option 2 ID: 6306801392673 Option 3 ID: 6306801392676 Option 4 ID: 6306801392674 Status: Answered Chosen Option: 1 Q.68 An economical cross-section of an irrgation canal is formed partly in cutting and partly in filling, with the depth of cutting in canal cross-section equal to balancing depth. What does this indicate? Ans X 1. Quantity of earthwork in filling = Two times the quantity of earthwork in cutting X 2. Wetted perimeter of cutting portion of canal = Wetter perimeter of the filling portion of 3. Depth of earthwork cutting = Depth of earthwork in filling ✓ 4. Quanty of earthwork in cutting = Quantity of earthwork in filling Question ID: 630680504111 Option 1 ID: 6306801970008 Option 2 ID: 6306801970007 Option 3 ID: 6306801970005 Option 4 ID: 6306801970006

Status: Not Answered

Q.69 The soil has a liquid limit of 50% and plastic limit of 25%, respectively. If the volumetric shrinkages at the liquid limit and plastic limit are 50% and 30%, respectively, determine the dry volume of soil, if the volume at liquid limit is 1 ml. X 1. 0.234 ml Ans X 2. 0.895 ml X 4. 0.485 ml Question ID: 630680504528 Option 1 ID: 6306801971676 Option 2 ID: 6306801971675 Option 3 ID: 6306801971673 Option 4 ID: 6306801971674 Status: Not Answered Chosen Option: --Q.70 As per IS standards on method of measurement of building and civil engineering works, the dimensions have to be measured to the nearest X 1. 0.1 m Ans X 2. 1.0 m X 3. 0.001 m √ 4. 0.01 m Question ID: 630680504134 Option 1 ID: 6306801970097 Option 2 ID: 6306801970098 Option 3 ID: 6306801970100 Option 4 ID: 6306801970099 Status: Not Answered Chosen Option: --Q.71 Select the option that is appropriate regarding the following two statements labelled Assertion and Reason. Assertion: Piping below the weir can be prevented by providing an impervious floor of sufficient length so that the path of percolation is increased and the exit gradient is decreased. Reason: If the exit gradient is less than a certain critical value, the soil starts boiling and is washed away by percolating water. 1. Both Assertion and Reason are false. X 2. Both Assertion and Reason are true and Reason is the correct explanation of 3. Assertion is true, but Reason is false. X 4. Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion. Question ID: 630680504320 Option 1 ID: 6306801970844 Option 2 ID: 6306801970841

Option 3 ID: 6306801970843 Option 4 ID: 6306801970842 Status: Not Answered

	Q.72 If lining is provided to the canals, seepage loss of water can be controlled and ultimately it the irrigated command area of the project.			
Ans	X 1. decreases			
	X 2. neither increases nor reduces			
	✓ 3. increases			
	X 4. doesn't affect			
	4. doesn't alloct			
		Question ID : 630680504332		
		Option 1 ID : 6306801970889		
		Option 2 ID : 6306801970892		
		Option 3 ID : 6306801970890		
		Option 4 ID : 6306801970891		
		Status : Answered		
		Chosen Option : 4		
Q.73 Ans	× 2. rainfalls			
	3. surface runoff, prompt interflow and channel precipitation			
	X 4. overland flow and infiltration			
		Question ID : 630680504297		
		Option 1 ID : 6306801970750		
		Option 2 ID : 6306801970752		
		Option 3 ID : 6306801970749		
		Option 4 ID : 6306801970751		
		Status : Answered		
		Chosen Option : 2		
Q.74	For a retaining wall, the Mohr circle radius for active earth pressure Mohr circle radius for passive earth pressure.	is the		
Ans	X 1. equal to			
	X 2. More or less depending on the angle of internal friction of soil			
	X 4. more than			
		Question ID : 630680504552		
		Question ID : 630680504552 Option 1 ID : 6306801971771		
		Option 1 ID : 6306801971771 Option 2 ID : 6306801971772		
		Option 1 ID : 6306801971771 Option 2 ID : 6306801971772 Option 3 ID : 6306801971770		
		Option 1 ID : 6306801971771 Option 2 ID : 6306801971772 Option 3 ID : 6306801971770 Option 4 ID : 6306801971769		
		Option 1 ID : 6306801971771 Option 2 ID : 6306801971772 Option 3 ID : 6306801971770		

Q.75 Following the cubical content method of estimate for buildings, the estimated cost of building is determined by multiplying the total cubical contents of the building and (Assume specifications and construction similar to buildings in the locality) Ans X 1. area of the building X 2. height of the building 3. local cubic rate 4. volume of the building Question ID: 630680504107 Option 1 ID: 6306801969989 Option 2 ID: 6306801969992 Option 3 ID: 6306801969990 Option 4 ID: 6306801969991 Status: Answered Chosen Option: 1 Q.76 As per IS 13311 (part 1), the natural frequency of transducers for a path length of more than 1500 mm is _ X 1. greater than or equal to 50 kHz Ans 2. greater than or equal to 20 kHz X 3. greater than or equal to 10 kHz X 4. less than 5 kHz Question ID: 630680381564 Option 1 ID: 6306801487190 Option 2 ID: 6306801487188 Option 3 ID: 6306801487189 Option 4 ID: 6306801487187 Status: Not Answered Chosen Option: --Q.77 Which of the following is NOT a secondary treatment unit in wastewater treatment? 1. Imhoff tank Ans X 2. aerated lagoon X 3. trickling filter X 4. aeration tank Question ID: 630680370946 Option 1 ID: 6306801445107 Option 2 ID: 6306801445108 Option 3 ID: 6306801445110 Option 4 ID: 6306801445109 Status: Not Answered Chosen Option: --

Q.78 Which of the following is correct expression to compute design bending strength of a laterally unsupported beam?

Where f_{bd} =design bending compressive stress,

 $\beta_b \text{=}~Z_e/Z_p$, $Z_e \text{=}~Elastic~section~modulus~and~}Z_p \text{=}Plastic~section~modulus~}$

Ans \times 1. $M_d = Z_p f_{bd}$

 \checkmark 2. $M_d = \beta_b Z_p f_{bd}$

 \times 3. $M_d = \beta_b f_{bd}/Z_p$

 \times 4. $M_d = \beta_b Z_p / f_{bd}$

Question ID: 630680326687

Option 1 ID: **6306801270828** Option 2 ID: **6306801270825**

Option 3 ID : **6306801270827**

Option 4 ID : **6306801270826** Status : **Not Answered**

Chosen Option : --

Q.79 The design shear strength of concrete in the RCC beam does NOT depend on the:

Ans X 1. area of steel

2. grade of steel

X 3. grade of concrete

X 4. cross-sectional dimension of the beam

Question ID: 630680509649

Option 1 ID : **6306801991803** Option 2 ID : **6306801991802**

Option 3 ID: 6306801991801

Option 4 ID: 6306801991804

Status: Answered

Chosen Option: 1

Q.80 The table below shows the data sheet from a levelling book. If the RL at station P is 550.50 m, then which of the following options is INCORRECT?

Station	BS	IS	FS	Remark
P	1.265			BM
Q		1.415		
R		1.715		
S	2.330		2.165	СР
T			2.930	

(BS = Back Sight, IS = Intermediate Sight, FS = Fore Sight, RL = Reduced Level, BM = Bench Mark and CP = Change Point) (All figures are in metre.)

Ans X 1. Station S is at a lower elevation than Station Q.

X 2. Station S is at a lower elevation than Station P.

X 3. Station R is at a higher elevation than Station T.

Question ID: 630680506226

Option 1 ID: 6306801978424

Option 2 ID: 6306801978423

Option 3 ID: 6306801978422

Option 4 ID : 6306801978421

Status: Not Answered

Q.81 In a fly levelling work, if the back sight staff reading is greater than fore sight staff reading, it indicates a _ __in ground level. X 1. horizontal surface 2. rise X 3. level surface X 4. fall Question ID: 630680192190 Option 1 ID: 630680745364 Option 2 ID: 630680745361 Option 3 ID: 630680745363 Option 4 ID: 630680745362 Status: Answered Chosen Option: 4 Q.82 Which of the following is an INCORRECT feature of the auto level instrument, used for levelling? √ 1. Readings on the staff are taken automatically. Ans X 2. Initially, the instrument should be levelled roughly by using foot screws. X 3. Readings on the staff are taken manually. X 4. The auto level works on the compensator mechanism. Question ID: 630680506212 Option 1 ID: 6306801978367 Option 2 ID: 6306801978366 Option 3 ID: 6306801978365 Option 4 ID: 6306801978368 Status: Not Answered Chosen Option: --Q.83 The stadia method used in tacheometric surveys generally refers to measurements taken with a _ Ans X 1. fixed staff reading X 2. fixed elvation of point 3. tacheometer with fixed stadia hair X 4. tacheometer with variable stadia hair Question ID: 630680506222 Option 1 ID: 6306801978407 Option 2 ID: 6306801978408 Option 3 ID: 6306801978405 Option 4 ID: 6306801978406 Status: Not Answered Chosen Option: --

Q.84 Which of the following steel reinforcement does not act as a shear reinforcement in RCC beams? Ans X 1. Bent up portion of longitudinal steel X 2. Stirrups perpendicular to beam axis X 3. Stirrups inclined (at 45") to beam axis 4. Tension steel parallel to the beam axis Question ID: 630680377311 Option 1 ID: 6306801470310 Option 2 ID: 6306801470307 Option 3 ID: 6306801470308 Option 4 ID: 6306801470309 Status: Not Answered Chosen Option: --Q.85 What would be the average flow per hour (litre/hour) water consumption if 5000 litres is used per day? Ans X 1. 100 **X** 2. 400 **3**. 208.33 X 4. 500 Question ID: 630680504101 Option 1 ID: 6306801969965 Option 2 ID: 6306801969968 Option 3 ID: 6306801969967 Option 4 ID: 6306801969966 Status: Answered Chosen Option: 3 Q.86 As per IS 383:2016, the maximum crushing value of coarse aggregates used for runways and other wearing surfaces shall be_____ percentage. Ans X 1.50 X 2. 10 **3**. 30 X 4. 12 Question ID: 630680191301 Option 1 ID: 630680741847 Option 2 ID: 630680741846 Option 3 ID: 630680741845 Option 4 ID: 630680741848 Status: Not Answered Chosen Option: --Q.87 Which of the following is a sub-surface source of water supply? 1. Tube well Ans X 2. Streams X 3. Dam X 4. Reservoir Question ID: 630680509466 Option 1 ID: 6306801991133 Option 2 ID: 6306801991136 Option 3 ID: 6306801991134

Option 4 ID : **6306801991135** Status : **Answered**

X 1. 60 degrees X 2. 30 degrees 3. 45 degrees X 4. 15 degrees Question ID: 630680509065 Option 1 ID: 6306801989558 Option 2 ID: 6306801989556 Option 3 ID: 6306801989557 Option 4 ID: 6306801989555 Status: Answered Chosen Option: 3 Q.89 Estimate the flow cross sectional area in a triangular channel with 5 m depth, and side slope 2H:1V. Ans X 1. 40 m² X 2. 80 m² \times 4. 60 m² Question ID: 630680506982 Option 1 ID: 6306801981434 Option 2 ID: 6306801981436 Option 3 ID: 6306801981435 Option 4 ID: 6306801981433 Status: Not Answered Chosen Option: -- $Q.90\,$ A sample of soil failed a triaxial test under a deviator stress of 200 kN/m 2 when the confining pressure was 100 kN/m². If, for the sample, the confining pressure had been 200 kN/m², what would have been the deviator stress at failure? (Assume $\Phi = 0$.) **Ans** X 1. 100 kN/m² √ 2. 200 kN/m² X 3. 500 kN/m² X 4. 400 kN/m² Question ID: 630680504504 Option 1 ID: 6306801971579 Option 2 ID: 6306801971577 Option 3 ID: 6306801971580 Option 4 ID: 6306801971578 Status: Not Answered Chosen Option: --

Q.88 In 'No Parking' signs, the oblique red bar is placed at an angle of _

Q.91 The value of adopted ruling gradient on a highway road is 1 in 200. Calculate the percentage of ruling gradient provided on the road. X 1.5% Ans **2**. 0.5% X 3. 2.5% **X** 4. 1% Question ID: 630680198293 Option 1 ID: 630680769343 Option 2 ID: 630680769345 Option 3 ID: 630680769344 Option 4 ID: 630680769346 Status: Not Answered Chosen Option: --Q.92 If the specific weight of a certain liquid is 5000N/m³, then calculate the specific volume (in m^3/N). Ans X 1. 0.02 **2.** 0.0002 **X** 3. 0.002 X 4. 0.2 Question ID: 630680385101 Option 1 ID: 6306801501292 Option 2 ID: 6306801501290 Option 3 ID: 6306801501291 Option 4 ID: 6306801501293 Status: Answered Chosen Option: 2 Q.93 Which estimate is prepared for administrative approval and technical sanction? Ans X 1. Revised estimate 2. Detailed estimate X 3. Supplementary estimate X 4. Complete estimate Question ID: 630680504089 Option 1 ID: 6306801969920 Option 2 ID: 6306801969917 Option 3 ID: 6306801969918 Option 4 ID: 6306801969919 Status: Answered Chosen Option : 1

Q.94 Consider the following statements about the stability criterion of a gravity dam.

Statement I: If the force of friction is more than the force due to water pressure, the dam is safe against sliding.

Statement II: If the resultant of the weight of the dam and the horizontal force due to water pressure lies outside the base of the dam, but within h (h = height of the dam) from the face of the dam, the dam is safe against overturning.

Statement III: To avoid tension at the base of the dam, the maximum value of eccentricity is b/6 on either side of geometrical axis of base section. Where, b is base width of dam. Which of the given

statements is/are correct?

Ans X 1. Statements I and II

X 2. Statement II only

X 4. Statements II and III

Question ID : 630680397909

Option 1 ID : **6306801551650** Option 2 ID : **6306801551653** Option 3 ID : **6306801551651**

Option 4 ID : **6306801551652** Status : **Not Answered**

Chosen Option : --

Q.95 Due to segregation of well-mixed concrete, _____

Ans 1. the workability of concrete decreases

X 2. the strength of concrete increases

X 3. the durability of concrete increases

X 4. the permeability of concrete decreases

Question ID: 630680340614

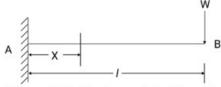
Option 1 ID : 6306801324897

Option 2 ID : **6306801324898**

Option 3 ID : **6306801324900** Option 4 ID : **6306801324899**

Status : Answered

Q.96 Which of the following is the correct expression for slope $(\frac{dy}{dx})$ at any distance' X' in a cantilever beam shown in the figure according to the double integration method?



Where, EI is the flexural rigidity of beam section.

$$_{\checkmark}_{1.} \frac{dy}{dx} = - \frac{W}{2EI}(2lx-x^2)$$

$$\chi_{2.} \frac{dy}{dx} = -\frac{W}{4EI}(2l-x)$$

$$\times$$
 3. $\frac{dy}{dx} = -\frac{W}{2EI}(2l-x)$

$$\times$$
 4. $\frac{dy}{dx} = -\frac{W}{4EI}(2lx-x^2)$

Question ID: 630680404125

Option 1 ID: 6306801575986

Option 2 ID: 6306801575989

Option 3 ID: 6306801575988 Option 4 ID: 6306801575987

Status: Not Answered

Chosen Option: --

Q.97 All the voids of soil layer get filled with water after a heavy storm, upto a depth of 1 m from the surface. If the soil is dry below the depth of 1 m, the condition of soil upto the depth of 1 m below the surface is :

X 1. submerged

2. saturated

X 3. capillary saturated

X 4. dry

Question ID: 630680504522

Option 1 ID: 6306801971650

Option 2 ID: 6306801971649

Option 3 ID: 6306801971652

Option 4 ID: 6306801971651

Status: Answered

Chosen Option: 2

Q.98 Which of the following materials is used for waterproofing during the construction of foundation and for protection of the structure from seepage problems?

Ans

X 1. Portland cement

X 2. Furnace slag

X 3. Plaster of Paris

4. Pitch

Question ID: 630680509702

Option 1 ID: 6306801992016

Option 2 ID: 6306801992015 Option 3 ID: 6306801992013

Option 4 ID: 6306801992014

Status : Answered

Q.99 For a cantilever beam AB (A is fixed) of length L carrying a point load P at the free end, the slope equation obtained using double integration method is given below. Find the maximum deflection.

$$EI\frac{dy}{dx} = -P(Lx - \frac{x^2}{2})$$

E = Young's modulus

I = Moment of inertia

x is measured from the fixed end.

Ans

$$\times$$
 1. $-\frac{PL^2}{3EI}$

$$\times$$
 2. $-\frac{PL^3}{6E}$

$$\times$$
 3. $-\frac{PL^2}{6EL}$

$$\checkmark$$
 4. $-\frac{PL^3}{3EI}$

Question ID: 630680397936

Option 1 ID: 6306801551760

Option 2 ID: 6306801551759

Option 3 ID : 6306801551761

Option 4 ID : **6306801551758** Status : **Not Answered**

Chosen Option : --

Q.100 Where is lead glass commonly used in building construction?

Ans X 1. False ceiling

X 2. Flooring works

3. Facades and windows

X 4. Plumbing and piping

Question ID: 630680383109

Option 1 ID: 6306801493345

Option 2 ID: 6306801493344

Option 3 ID : **6306801493343**

Option 4 ID: 6306801493346

Status: Not Answered