Junior Engineer Civil Mechanical Electrical and Quantity Surveying and Contracts Examination 2022

RollNumber	
CandidateName	
VenueName	
ExamDate	14/11/2022
ExamTime	9:00AM-11:00AM
Subject	JuniorEngineer2022Civil

Section: General Intelligence and Reasoning

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)

Beri- Beri: Vitamin B1

1.Iron:Anaemia

2. Scurvy:VitaminC

X 3. VitaminD:Rickets

X 4. Goitre:Iron

Question ID: 26433085616 Status: Answered

ChosenOption: 3

Q.2 Town M is to the south-west of Town A. Town A is to the west of Town D. Town C is to the north of Town D. Town B is to the west of Town C. Town B is to the north of Town A. What is the position of Town C with respect to Town A?

Ans X 1.West

X 2. South-east

4. North-east

Question ID: 26433076693 Status: Answered

ChosenOption: 4

Q.3 Anu, Mehak, Riya, Divya, and Leena are five friends. Anu is twice as old as Mehak. Riya is half the age of Mehak. Anu is half the age of Divya and Riya is twice the age of Leena. Who is the youngest?

Ans X 1.Anu

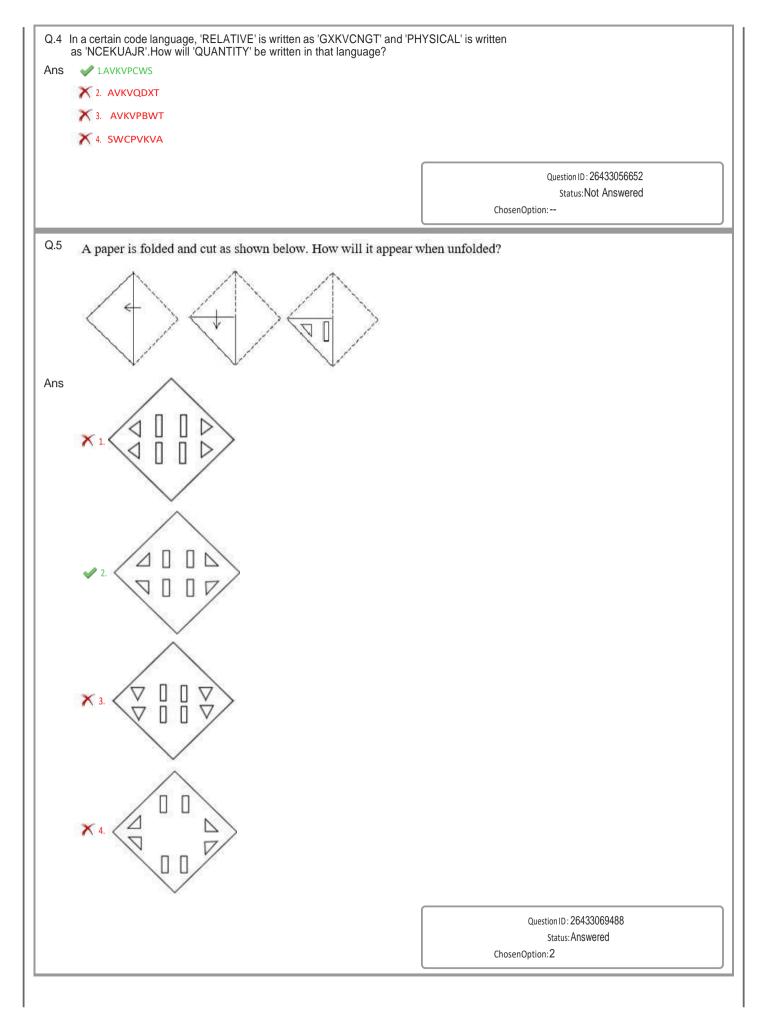
X 2. Divya

🥒 3. Leena

X 4. Riya

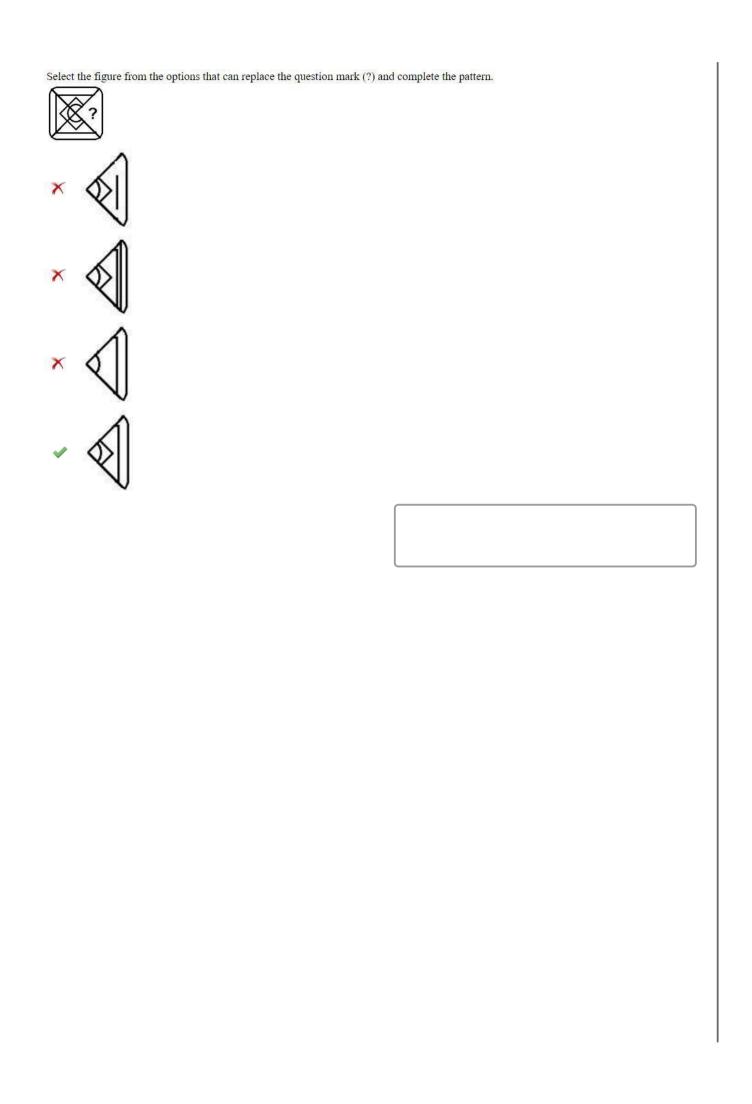
Question ID: 26433068083 Status: Answered

Chosen Option: 3

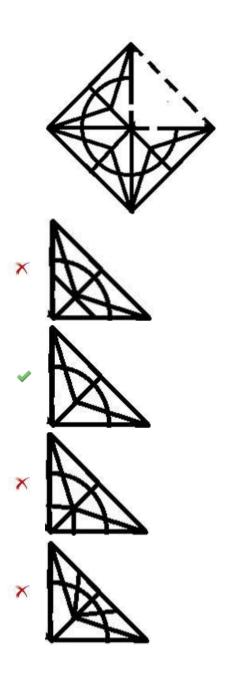


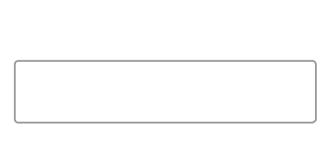
Q.6 Six students A, B, C, D, E and F are sitting around a circular table facing the centre. B is an immediate neighbour of both F and E. C is sitting second to the left of B. A is sitting immediate left of C. F is sitting second to the left of A. Who is the immediate neighbour of A and F? Ans X 1.B **√** 2.D X 3.E X 4.C Question ID: 26433056895 Status: Answered ChosenOption:2 Select the set in which the numbers are related in the same way as are the numbers of the following set.

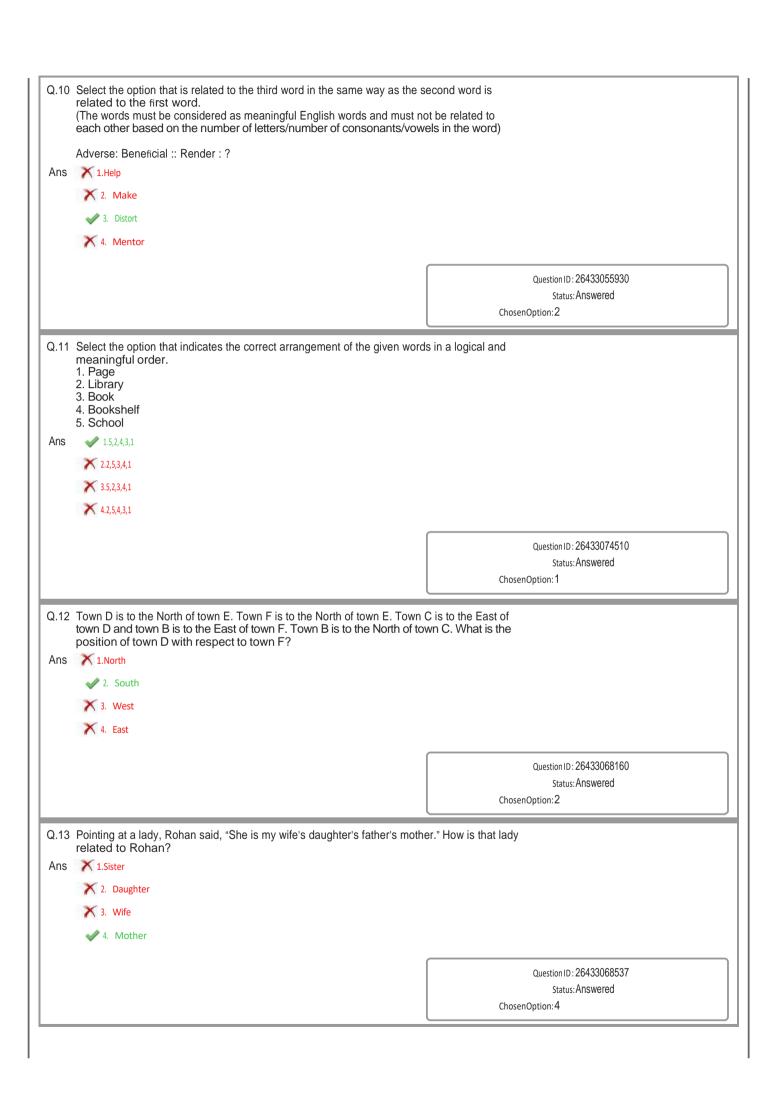
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed) (4, 8, 144) (5, 9, 250) Ans 1.(11,8,1110) 2. (6, 7, 288) 3. (8, 9, 730) 4. (7, 10, 700) Question ID: 26433067930 Status: Not Answered ChosenOption: --



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



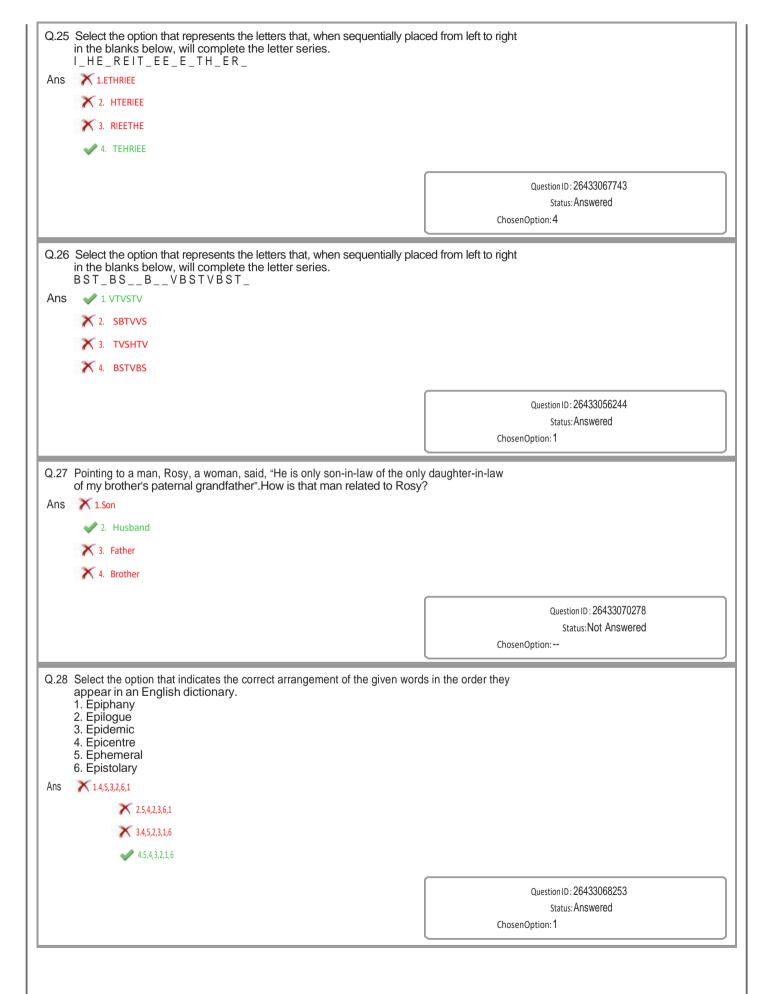




Q.14 Select the option that is related to the third term in the same way as the related to the first term and the sixth term is related to the fifth term. 132:99::112:7:96:72	second term is
Ans X 1.89	
✓ 2.84	
X 3.80	
★ 4.78	
	Question ID: 26433057575
	Status: Not Answered ChosenOption:
	Chosenoption
Q.15 Select the option that represents the letters that, when placed from left below will complete the letter series. DE_T_GLTDILT_KL_	to right in the blanks
Ans X1.LEDT	
2. LDDM	
X 3. LDET	
✓ 4. LDDT	
	0.10000000
	Question ID: 26433066013 Status: Not Answered
	ChosenOption:
0.46	
Q.16 Select the option that is embedded in the given figure (rotation	i is NOT allowed).
Ans X 1. X 2. 3. 4.	
	Question ID : 26433058107 Status: Answered ChosenOption: 3

Q.17 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.) Sculptor : Chisel :: Warrior : ? Ans X 1.Country X 2. Border X 3. Commander 4. Sword Ouestion ID: 26433067350 Status: Answered ChosenOption:4 Q.18 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_T_IFT_FTQ_FTQIFT Ans X 1, IQFQII 2. IFQQII X 3. IFIIFF X 4. IFQQFF Question ID: 26433056241 Status: Answered Chosen Option: 2Q.19 Arrange the following words in a logical and meaningful order. 1. oath taking 2. nomination 3. voting 4. campaigning 5. vote counting Ans 1.2,4,3,5,1 2.2,4,5,3,2 3.2,4,1,3,5 4.2,4,3,1,5 Question ID: 26433083128 Status: Answered ChosenOption: 1 Q.20 Which of the following interchanges of signs would make the given equation correct? $272 \div 16 \times 18 - 6 + 113 = 337$ Ans ✓ 1.-and÷ X 2.+and× X 3. ÷and+ X 4. ×and-Question ID: 26433057940 Status: Answered ChosenOption: 1

Q.21 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. 2:2::9:?::6:198 Ans X 1.698 **X** 2.720 **X** 3.718 **4.702** Question ID: 26433092711 Status: Answered ChosenOption: 1 Q.22 Which of the following numbers will replace the question mark (?) in the given series? 42, 36, ?, 27, 24, 22 Ans X 1.28 **2.31 X** 3.30 **X** 4.33 Question ID: 26433068102 Status: Answered ChosenOption: 2 Q.23 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below. Per34tg Ans Per34tg r 💊 Per34t8 7× Per3dtg EX Per3 dtg .₄× Question ID: 26433056999 Status: Answered ChosenOption: 1 Q.24 In a certain code language, 'PRAYER' is written as 'KIZBVI' and 'SCHOOL' is written as 'HXSLLO'. How will 'TOMATO' be written in that language? Ans X 1.LGNZLG X 2. GLNZLG X 4. GLZNGL Question ID: 26433059880 Status: Not Answered ChosenOption: --



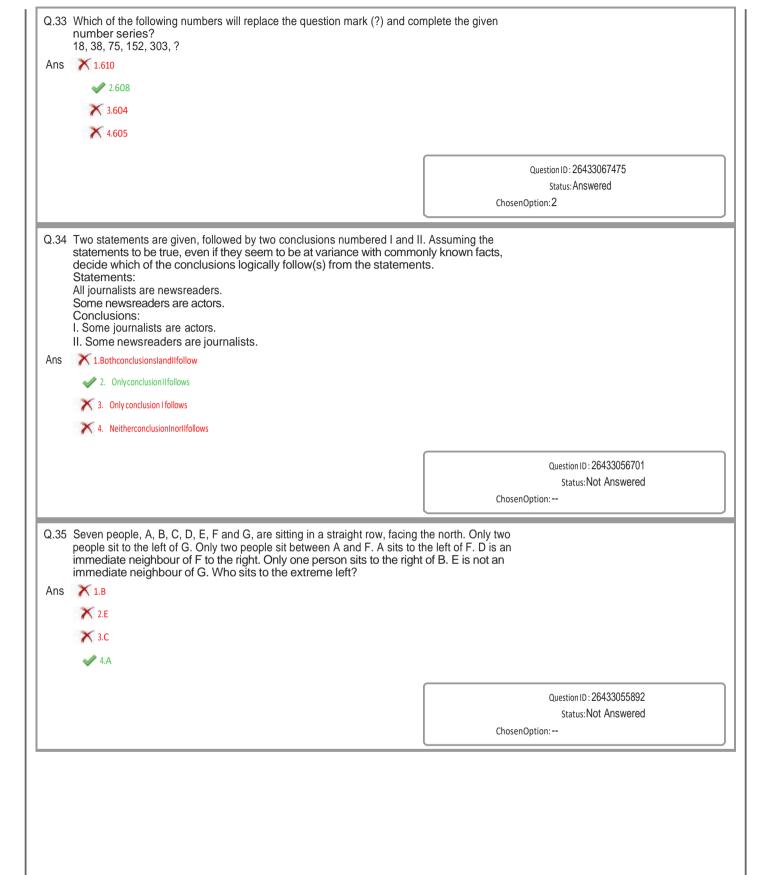
Q.29 Select the option that represents the letters that, when placed from left to right in the blanks below will complete the letter series.

D_JL_QT_XA_ Ans X 1.GMVD X 2. FNVC X 3. GNWD Question ID: 26433066012 Status: Not Answered ChosenOption: --Q.30 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

(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 (8, 12, 24) (12, 18, 54) (8, 4, ?)Ans **1.8 X** 2.12 **X** 3.14 **×** 4.18 Question ID: 26433067656 Status: Not Answered ChosenOption: --

allowed). Ans **X** 1. **X** 2. Question ID: 26433067424 Status: Not Answered ChosenOption: --Q.32 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number. 988: 192:: ?: 96:: 160: 84 Ans X 1.289 2.225 **3.220 X** 4.253 Question ID: 26433056491 Status: Not Answered ChosenOption: --

Q.31 Select the option figure in which the given figure is embedded (rotation is NOT



Q.36 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)
Hockey: Agha Khan Cup Ans X 1.DeodharTrophy:Cricket 2. Football:SubrotoCup X 3. Cricket:NehruTrophy

> Question ID: 26433085617 Status: Answered ChosenOption: 1

Q.37 Arrange the following words in a logical and meaningful order.

1.Universe

2.India

3.Earth

4.Agra 5.Taj Mahal

Ans X 1.1,3,4,2,5

2.1,2,3,4,5

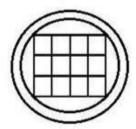
4. DhyanChandTrophy:Hockey

3.1,2,4,3,5

4.1,3,2,4,5

Question ID: 26433091416 Status: Answered Chosen Option: 4

Q.38 How many squares are there in the given figure?



Ans X 1.14

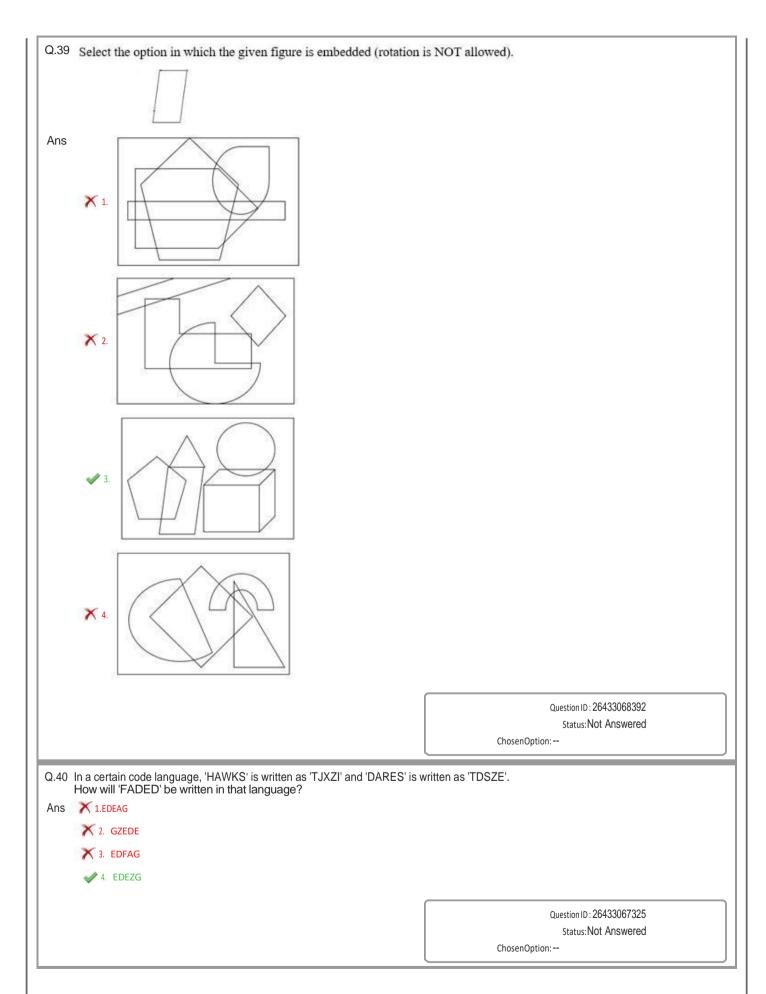
2.20

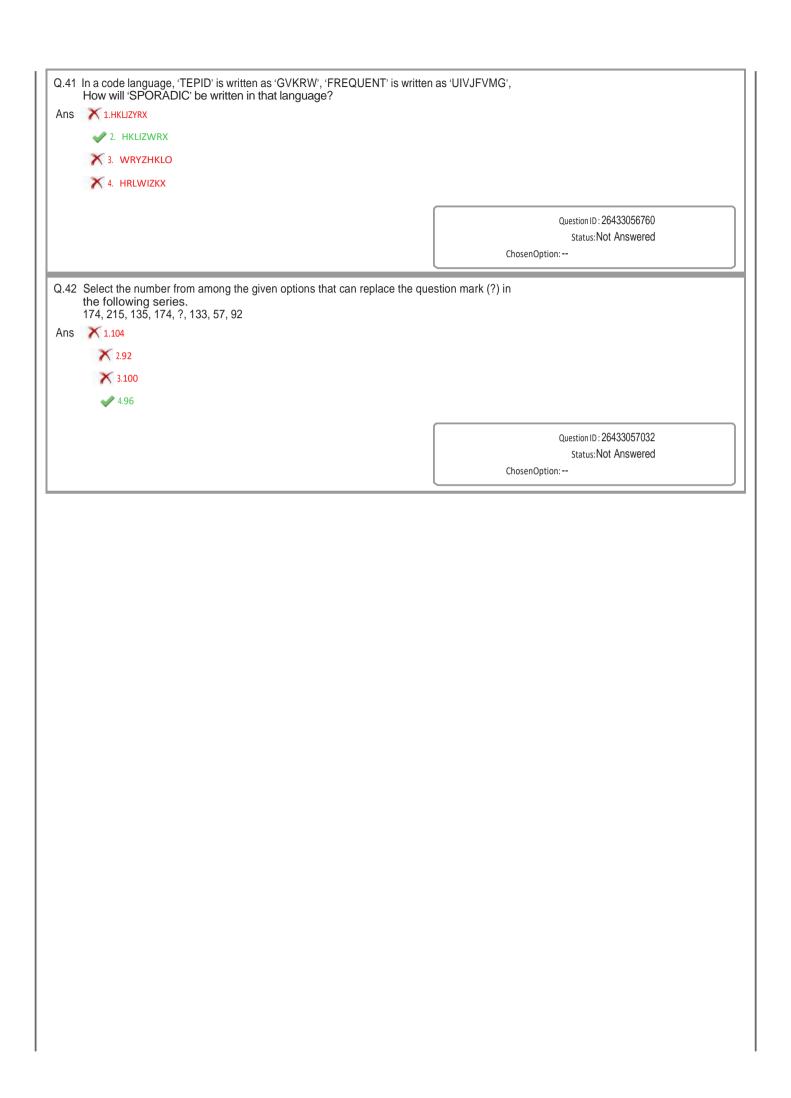
X 3.18

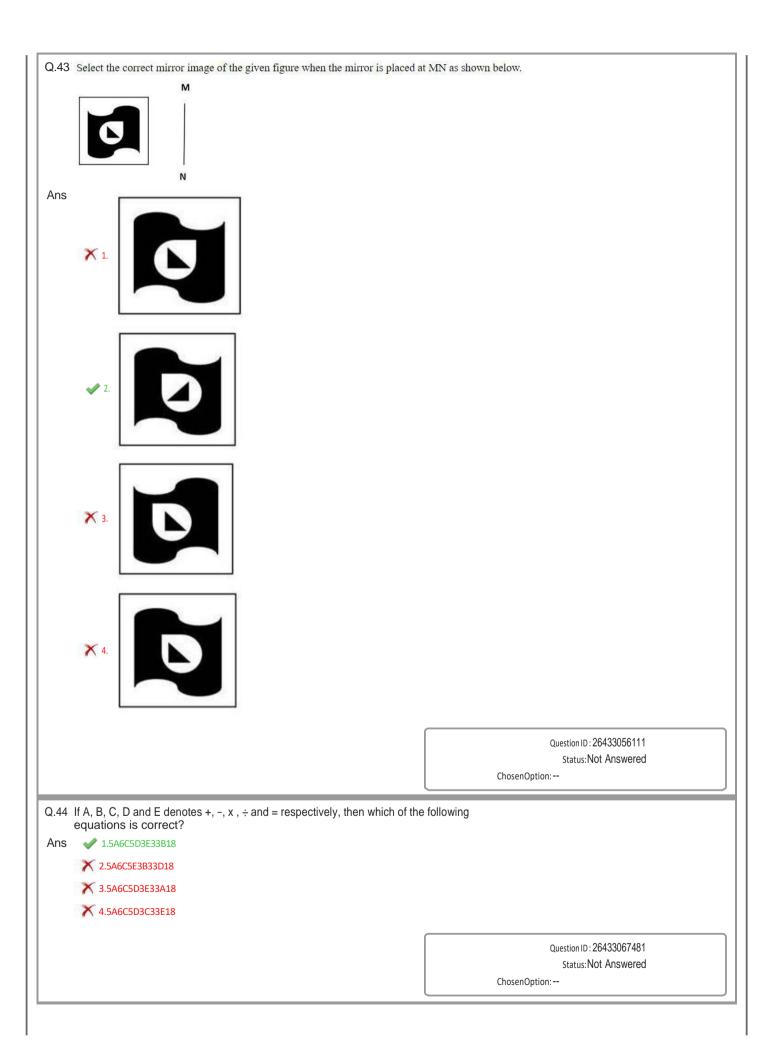
× 4.17

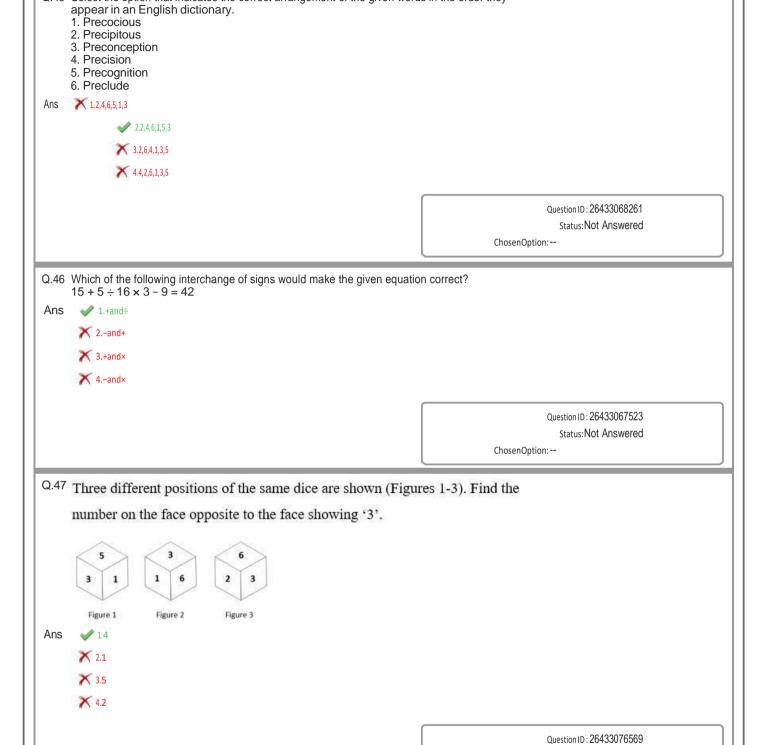
Question ID: 26433057975 Status: Not Answered

ChosenOption: --





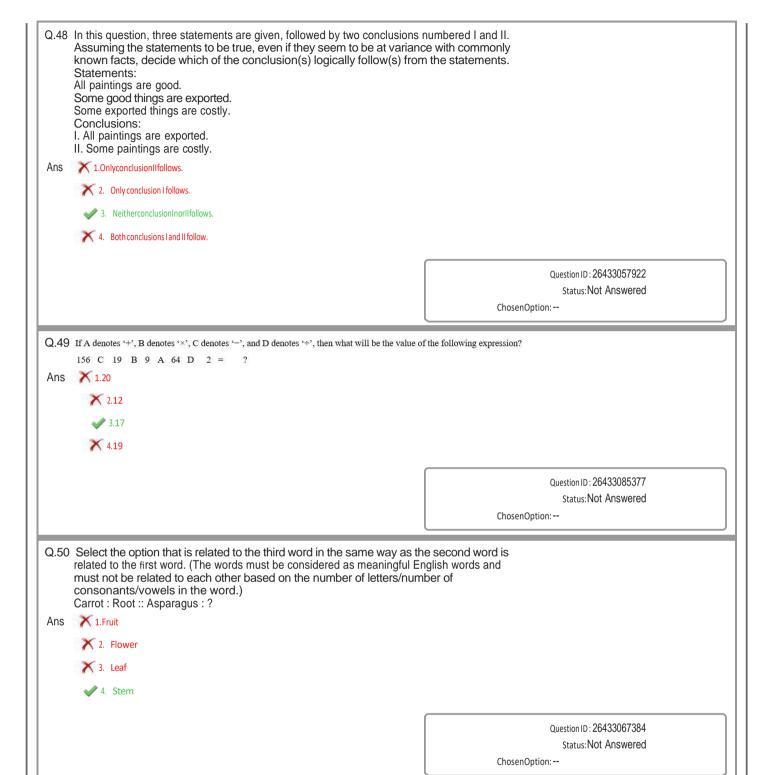




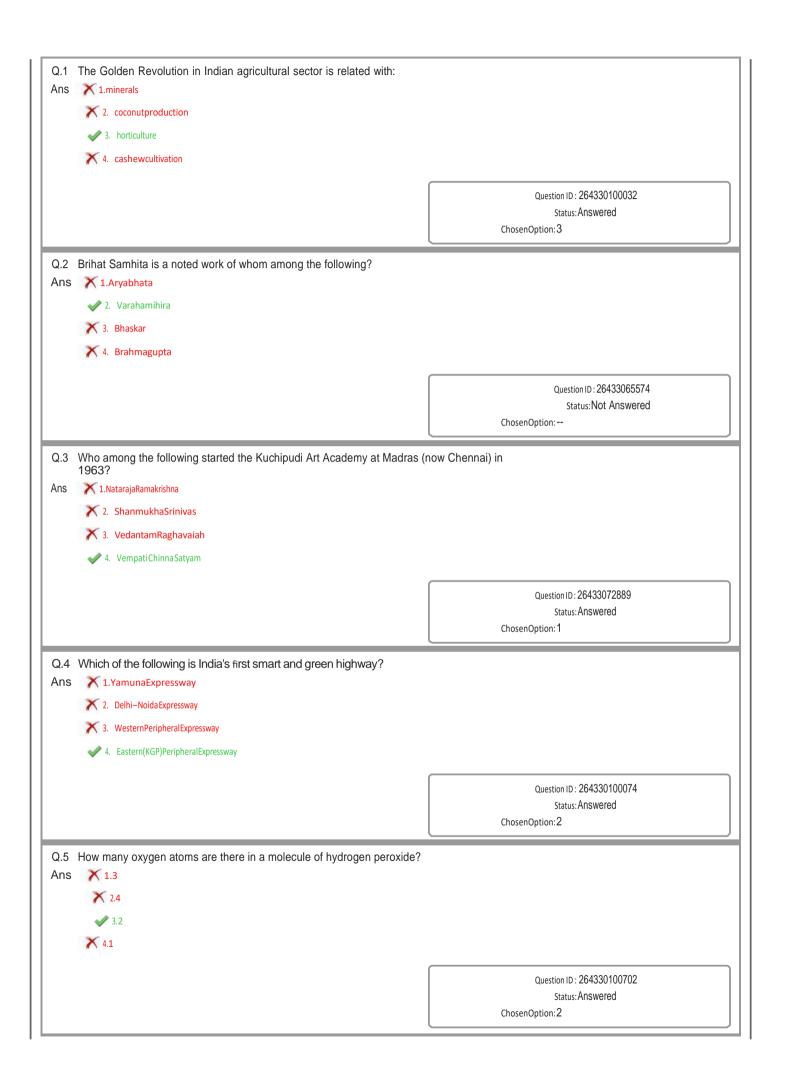
Status: Not Answered

ChosenOption: --

Q.45 Select the option that indicates the correct arrangement of the given words in the order they



Section: General Awareness



Q.6				
Ans	Identify the element that does NOT belong to period 3 of modern periodic 1.Sodium	table.		
	× 2. Aluminium			
	✓ 3. Hydrogen			
	X 4. Magnesium			
		0.0000000000000000000000000000000000000		
		Question ID : 26433066666 Status: Answered		
		ChosenOption:3		
Q.7	Which of the following options is correctly paired?			
Ans	Which of the following options is correctly paired? 1.Ribosomes-Doublemembranebound			
	✓ 2. Mitochondria–Membranebound			
	3. Nucleus–Nonmembranebound			
	X 4. Plastids—Nonmembranebound			
		Question ID: 26433053987		
		Status: Answered		
	Under which Article of the Constitution of India can a person go to the Stathe enforcement of Fundamental Rights? 1.Article28 2. Article32 3. Article37	ChosenOption:3 preme Court for		
	the enforcement of Fundamental Rights? 1.Article28 2. Article32			
Q.8 Ans	the enforcement of Fundamental Rights? 1.Article28 2. Article 32 3. Article 37	preme Court for Question ID: 26433054531		
	the enforcement of Fundamental Rights? 1.Article28 2. Article 32 3. Article 37	Question ID: 26433054531 Status: Answered		
	the enforcement of Fundamental Rights? 1.Article28 2. Article 32 3. Article 37	preme Court for Question ID: 26433054531		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article32 3. Article37 4. Article45 Danda-nacha is a form of dance which narrates stories about:	Question ID: 26433054531 Status: Answered		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article 32 3. Article 37 4. Article 45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma	Question ID: 26433054531 Status: Answered		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article 37 4. Article 45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma 2. LordShiva	Question ID: 26433054531 Status: Answered		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article37 3. Article37 4. Article45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma 2. LordShiva 3. LordKrishna	Question ID: 26433054531 Status: Answered		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article 37 4. Article 45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma 2. LordShiva	Question ID: 26433054531 Status: Answered		
Ans Q.9	the enforcement of Fundamental Rights? 1.Article28 2. Article37 3. Article37 4. Article45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma 2. LordShiva 3. LordKrishna	Question ID: 26433054531 Status: Answered ChosenOption: 2		
Ans	the enforcement of Fundamental Rights? 1.Article28 2. Article37 3. Article37 4. Article45 Danda-nacha is a form of dance which narrates stories about: 1.LordBrahma 2. LordShiva 3. LordKrishna	Question ID: 26433054531 Status: Answered ChosenOption: 2		

Q.10 Match the columns.

Column-A (organelle)	Column-B (Function)
i. Mitochondria	a. Control of cell activity and cell division
ii. Desmosomes	b. ATP generation
iii. Lysosomes	c. Adhesive complex
iv. Nucleus	d. Contain hydrolytic enzymes

Ans

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

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

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

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

Question ID: 26433053990 Status: Not Answered

ChosenOption: --

Q.11 In March 2022, _____ announced that it will soon implement Aama Yojana, a scheme for helping non-working mothers, and the Bahini Scheme benefitting girl students of the State.

Ans X 1.Manipur

X 2. Arunachal Pradesh

3. Sikkim

X 4. Mizoram

Question ID: 26433081798 Status: Not Answered

ChosenOption: --

Q.12 Indian boxer _____ (48 kg) was one of the gold medal winners at the 73rd Strandja Memorial Boxing Tournament, held in Sofia, Bulgaria in February 2022.

Ans

X 1.BabyrojisanaChanu

2. NituGhanghas

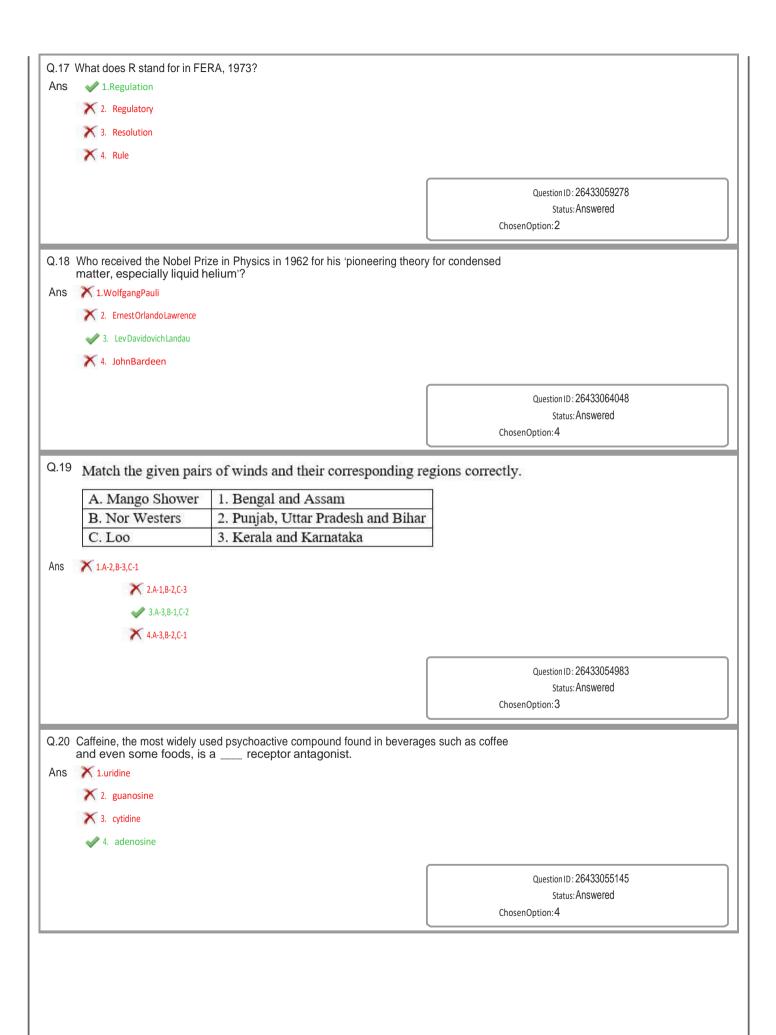
X 3. ManjuRani

X 4. Gitika Narwal

Question ID: 26433079560 Status: Answered

Chosen Option: 4

	Regarding the export of commodities from India in 2021, which commod	lity ranks first?
Ans	1.Engineeringgoods 2. Electronic goods	
	3. Organicandinorganicchemicals	
	Viganicalumorganicciennicals A. Drugsandpharmaceuticals	
	4. Drugsanuphannaceutcais	
		Question ID : 264330100028
		Status: Not Answered
		ChosenOption:
Q.14	The alpine biome is usually located at altitudes above and exterbelow the snow line.	ds to the area just
Ans	X 1.500m	
	× 2.2000m	
	✓ 3.3000m	
	× 4.1000m	
		Question ID: 26433055136
		Status: Answered
		ChosenOption:2
Q.15	Who was appointed as the new Chief Justice of the Madras High Court in	February 2022?
Ans	1.JusticeMunishwarNathBhandari	, in the second
	2. JusticeSatishChandraSharma	
	3. JusticePrashantKumarMishra	
	X 4. JusticeSanjayaKumarMishra	
		00400055050
		Question ID: 26433055050 Status: Not Answered
		ChosenOption:
	Under whose captainship did India defeat England by four wickets to clinc extending fifth U19 Men's Cricket World Cup title at the Sir Vivian Richard Antigua, in 2022?	h a record- s Stadium,
Ans	1.DineshBana	
	2. YashDhull 3. RajAngadBawa	
	4. HarnoorSingh	
		Question ID: 26433081831
		Status: Answered
		ChosenOption:2



Q.21		
Ans	1.Matchingtheresourcedevelopmentplanswithoverallnationaldevelopmentplans 2. Managingpeopleworkinginanorganisation	
	3. Identification and inventory of resources across the regions of the country	
	4. Evolvingaplanningstructureendowedwithappropriatetechnology, skilland institutional se implementing resource development plans	t up for
		Question ID: 26433086758 Status: Answered ChosenOption: 2
Q.22	The 'Digital Population Clock' was inaugurated at then Septe	ember 2021.
Ans	1.IndianInstituteofTechnology,Mumbai	
	2. InstituteofEconomicGrowth,Delhi	
	3. IndianInstituteofManagement,Ahmedabad	
	4. National Institute of Educational Planning and Administration, New Delhi	
		Question ID: 26433082807 Status: Answered
		ChosenOption: 1
0.00	Composition Astronometry in management Ast	
Q.23 Ans	Competition Act was set up in replacingAct. 1.2002;MRTP 2.1991;MRTP	
	✓ 1.2002;MRTP	
	✓ 1.2002;MRTP✓ 2.1991;MRTP	
	✓ 1.2002;MRTPX 2.1991;MRTPX 3.2002;FERA	Question ID: 26433054787 Status: Answered Chosen Option: 3
Ans	 1.2002;MRTP 2.1991;MRTP 3.2002;FERA 4.1991;FERA Who among the following was the first Indian musician to receive the R	Status:Answered ChosenOption:3
Ans	 ✓ 1.2002;MRTP ✓ 2.1991;MRTP ✓ 3.2002;FERA ✓ 4.1991;FERA 	Status:Answered ChosenOption:3
Ans Q.24	 1.2002;MRTP 2.1991;MRTP 3.2002;FERA 4.1991;FERA Who among the following was the first Indian musician to receive the R Award?	Status: Answered ChosenOption: 3
Ans Q.24	 ✓ 1.2002;MRTP ✓ 2.1991;MRTP ✓ 3.2002;FERA ✓ 4.1991;FERA Who among the following was the first Indian musician to receive the R Award? ✓ 1.UstadAllaRakha 	Status:Answered ChosenOption:3
Ans Q.24	 1.2002;MRTP 2.1991;MRTP 3.2002;FERA 4.1991;FERA Who among the following was the first Indian musician to receive the R Award? 1.UstadAllaRakha 2. LataMangeshkar 	Status: Answered ChosenOption: 3
Ans Q.24	 ✓ 1.2002;MRTP ✓ 2.1991;MRTP ✓ 3.2002;FERA ✓ 4.1991;FERA Who among the following was the first Indian musician to receive the R Award? ✓ 1.UstadAllaRakha ✓ 2. LataMangeshkar ✓ 3. MSSubbulakshmi 	Status: Answered ChosenOption: 3
Ans Q.24	 ✓ 1.2002;MRTP ✓ 2.1991;MRTP ✓ 3.2002;FERA ✓ 4.1991;FERA Who among the following was the first Indian musician to receive the R Award? ✓ 1.UstadAllaRakha ✓ 2. LataMangeshkar ✓ 3. MSSubbulakshmi 	Status: Answered ChosenOption: 3 amon Magsaysay Question ID: 26433054470
Ans Q.24	 ✓ 1.2002;MRTP ✓ 2.1991;MRTP ✓ 3.2002;FERA ✓ 4.1991;FERA Who among the following was the first Indian musician to receive the R Award? ✓ 1.UstadAllaRakha ✓ 2. LataMangeshkar ✓ 3. MSSubbulakshmi 	Status:Answered ChosenOption: 3 amon Magsaysay

Q.25 In which of the following years was the OffSide rule abolished in field hock	sey?
Ans 1.1996	
2.2000	
× 3.2015	
× 4.1990	
	Question ID: 26433059362
	Status: Answered
	ChosenOption:2
Q.26 In a eukaryotic cell, which phase of the cell cycle is called the 'distance chromosomes reach opposite poles and unwind into thin strands of DNA, disappear and the nuclear membrane reappears?	phase', where spindle fibres
Ans X 1.Anaphase	
2. Prometaphase	
X 3. Prophase	
✓ 4. Telophase	
	Question ID : 26433055123
	Status: Not Answered
	ChosenOption:
Q.27 In which of the following years was the Cornwallis Code introduced? Ans 1.1793 2.1794 3.1791 4.1792	Question ID : 26433082070 Status: Not Answered ChosenOption:
Q.28 Jugalbandi in Kathak refers to Ans 1.competitiveplaybetweendancerandtablaplayer 2. introductoryitemtoenterstage 3. fastfootwork	
4. purerhythmicmovementsbeforetheend	
+. puretryuminumovementsbeforedreefid	
	Question ID: 26433086568 Status: Answered ChosenOption: 1

	highest percentage population classified as poor?		
Ans	1.UttarPradesh		
	2. Bihar 3. MadhyaPradesh		
	X 4. Jharkhand		
		Question ID : 264330100061 Status: Answered	
		ChosenOption: 2	
	The eighth season of the Pro Kabaddi League was held at	n 2021-2022.	
Ans	1.Mumbai		
	2. Bengaluru		
	X 3. Hyderabad		
	X 4. New Delhi		
		Question ID: 26433089933	
		Status: Answered	
	In which year was the First National Forest Policy issued by the 1.1952 2.1962	Status: Answered ChosenOption: 1	
	✓ 1.1952	Status: Answered ChosenOption: 1	
	✓ 1.1952✓ 2.1962✓ 3.1948	Status: Answered ChosenOption: 1	
	✓ 1.1952✓ 2.1962✓ 3.1948	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered	
	✓ 1.1952✓ 2.1962✓ 3.1948	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082	
Ans 2.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ?	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	
Ans 2.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	
Q.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 2. Work 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	
Q.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 2. Work 3. Velocity 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	
Ans Q.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 2. Work 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	
Ans Q.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 2. Work 3. Velocity 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4 object of 2 grams, 2 metres	
Ans Q.32	 1.1952 2.1962 3.1948 4.1968 What is said to be done when the force of 2 Newtons moves an in the direction of the force ? 1.Displacement 2. Work 3. Velocity 	Status: Answered ChosenOption: 1 Government of India? Question ID: 264330100082 Status: Answered ChosenOption: 4	

Q.33 In 2018, what was the investment in infrastructure as a percentage of GDI Ans 1.28	P in India?
2.30	
× 3.44	
× 4.22	
4.22	
	Question ID : 264330100054
	Status: Answered
	ChosenOption:4
Q.34 The Ministry of Social Justice and Empowerment has launched India's helpline for senior citizens named for which the toll-free nu	s first pan-India Imber is 14567.
Ans 1.ElderLine	
2. FirstLine	
3. AnubhavLine	
X 4. SeniorLine	
	Question ID: 26433055033 Status: Answered
	ChosenOption: 2
Q.35 Who among the following was popularly known as 'Lokhitwadi'?	
Ans 1.JyotibaPhule	
2. Gopal Krishna Gokhale	
3. GopalHariDeshmukh	
X 4. SwamiVivekananda	
	Question ID: 26433089161
	Status: Answered
	ChosenOption:2
Q.36 The condition of warm days and cold nights are characteristics of which v of India?	veather and region
Ans X 1.SpringofEasternGhats	
2. Summers of coastal areas	
3. SummersofsouthernIndia	
✓ 4. WintersofnorthernIndia	
	Question ID: 26433064179
	Status: Answered ChosenOption: 4
	споспорнов. 1

Q.37	Darsonal Dianasal Income Darsonal Income	
Ans	Personal Disposal Income = Personal Income 1.Subsidies	
71110	✓ 2. personaltax	
	X 3. Rent	
	X 4. Wages	
		Question ID: 26433059260
		Status: Answered ChosenOption: 3
		з.ностириямо ————————————————————————————————————
Q.38 Ans	Which of the following enzymes is NOT involved in DNA replica 1.Ligase	tion?
	X 2. DNA polymerase	
	X 3. Helicase	
	✓ 4. Lipase	
		00400004455
		Question ID: 26433064155
		Question ID : 26433064155 Status: Answered Chosen Option: 3
		Status: Answered ChosenOption: 3
Q.39	Which of the following is the primary constituent of naturally o on Earth?	Status: Answered ChosenOption: 3
Q.39 Ans	on Earth?	Status: Answered ChosenOption: 3
	on Earth?	Status: Answered ChosenOption: 3
	on Earth? 1.Magnesiumoxide	Status: Answered ChosenOption: 3
	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide	Status: Answered ChosenOption: 3
	on Earth? **\text{1.Magnesiumoxide} **\text{2. Aluminiumoxide} **\text{3. Calciumoxide}	ChosenOption:3 ccurring mineral magnetite
	on Earth? **\text{1.Magnesiumoxide} **\text{2. Aluminiumoxide} **\text{3. Calciumoxide}	Status: Answered ChosenOption: 3 ccurring mineral magnetite Question ID: 26433055824
	on Earth? **\text{1.Magnesiumoxide} **\text{2. Aluminiumoxide} **\text{3. Calciumoxide}	ChosenOption:3 ccurring mineral magnetite
Ans	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor 1.GEvelynHutchinson	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor 1.GEvelynHutchinson 2. FredericClements	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor 1.GEvelynHutchinson 2. FredericClements 3. HenryChandlerCowles	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor 1.GEvelynHutchinson 2. FredericClements 3. HenryChandlerCowles	Status: Answered ChosenOption: 3 Cccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1 thwest Indiana in the 1890s? Question ID: 264330100020
Ans Q.40	on Earth? 1.Magnesiumoxide 2. Aluminiumoxide 3. Calciumoxide 4. Ironoxide Who studied ecological succession in the Indiana Dunes of Nor 1.GEvelynHutchinson 2. FredericClements 3. HenryChandlerCowles	ChosenOption:3 Ccurring mineral magnetite Question ID: 26433055824 Status: Answered ChosenOption: 1 thwest Indiana in the 1890s?

Q.41	Who among the following was given the epithet as 'Lord of the Plough' du Vedic age in which use of iron plough was an important part of agricult	ring the later ural practice?	
Ans	1.Varun 2. Indra		
	3. Agni		
	X 4. Surya		
		Question ID : 26433071498	
		Status: Not Answered ChosenOption:	
_		Choschopton.	
	Who received the prestigious Sanjay Gandhi Prize in Environment and Edemonstrating ecological differentiation and ecosystem hypothesis in evegetation of India?		
	1.AjitKumarBanerjee		
	2. DilipKBiswas		
	3. Kamaljit S Bawa		
	✓ 4. RamdeoMisra		
	•		
		Question ID: 26433055800	
		Status:Not Answered	
	Which phylum of the Kingdom Animalia known varior walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb pl	Status:Not Answered ChosenOption: usly as sea lially f organisation.	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of	Status:Not Answered ChosenOption: usly as sea lially f organisation.	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion?	Status:Not Answered ChosenOption: usly as sea lially f organisation.	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion?	Status:Not Answered ChosenOption: usly as sea lially f organisation.	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion? 1.Ctenophora 2. Porifera	Status:Not Answered ChosenOption: usly as sea lially f organisation.	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion? 1.Ctenophora 2. Porifera 3. Coelenterata	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion? 1.Ctenophora 2. Porifera 3. Coelenterata	Status:Not Answered ChosenOption: Isly as sea lially f organisation. Intes, which	
	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of The body bears eight external rows of ciliated comb pl help in locomotion? 1.Ctenophora 2. Porifera 3. Coelenterata	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb pl help in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered?	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
λAns	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1.Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1.Evening	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
λ.44	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb pl help in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
Ans Ω.44	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning 3. Noon	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb pl help in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning 3. Noon	Status:Not Answered ChosenOption: Isly as sea lially f organisation. Intes, which Question ID: 26433092192 Status:Not Answered ChosenOption:	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning 3. Noon	Status:Not Answered ChosenOption: asly as sea lially f organisation. ates, which Question ID: 26433092192 Status:Not Answered	
Ans	walnuts, comb jellies, They are exclusively marine, rac symmetrical, diploblastic organisms with tissue level of the body bears eight external rows of ciliated comb place in locomotion? 1. Ctenophora 2. Porifera 3. Coelenterata 4. Annelida At which time of the day, is the light least scattered? 1. Evening 2. Morning 3. Noon	Status: Not Answered ChosenOption: Isly as sea lially f organisation. Intes, which Question ID: 26433092192 Status: Not Answered ChosenOption:	

Q.45 A		
	s of 10 April 2022, who among the following is the Comptroller and Audindia?	tor General of
Ans	1.ShashiKantSharma	
	2. GirishChandraMurmu	
	X 3. RajivMehrishi	
	🔀 4. VinodRai	
		Question ID: 26433054536
		Status: Answered ChosenOption: 2
Q.46 A	As of 7 April 2022, Article 19 of the Constitution of India guarantees how ne Indian citizens?	v many rights to all
Ans	1.Six	
	× 2. Eight	
	X 3. Nine	
	× 4. Four	
	4. Pour	
		Question ID: 26433054533
		Status: Answered
		ChosenOption: 1
Q.47 T	The Indian Constitution is divided into how many parts as of the year 202.	??
Ans	★ 1.38	- '
	× 2.16	
	✓ 3.25	
	X 4.53	
		Question ID: 26433086776
		Status: Answered
		Status: Answered ChosenOption: 2
Q.48 V	What is the Fiscal Responsibility and Budget Management Act, 2003?	
Q.48 V Ans	What is the Fiscal Responsibility and Budget Management Act, 2003? 1.ltisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP.	
Ans		
Ans	1.Itisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP.	
Ans	 1.Itisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP. 2. Itisrelated to the increase in the capital expenditure. 3. Itisrelatedtotheincreaseingovernmentexpenditureinsome proportion. 	
Ans	 1.Itisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP. 2. Itisrelated to the increase in the capital expenditure. 	
Ans	 1.Itisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP. 2. Itisrelated to the increase in the capital expenditure. 3. Itisrelatedtotheincreaseingovernmentexpenditureinsome proportion. 	ChosenOption: 2 Question ID: 26433054565
Ans	 1.Itisconcernedwiththereductioninthefiscaldeficitofupto3%oftheGDP. 2. Itisrelated to the increase in the capital expenditure. 3. Itisrelatedtotheincreaseingovernmentexpenditureinsome proportion. 	ChosenOption: 2

	Which water body lies between Southern Europe and North Africa and ac 0.7% of the global ocean area?	counts for about	
Ans	1.MediterraneanSea		
	X 2. CaspianSea		
	X 3. BlackSea		
	X 4. Adriatic Sea		
		Question ID: 26433055168	
		Status: Answered	
		ChosenOption: 1	
Q.50 Ans	According to the Koppen type of climate, the code Cs of group C represents: 1.winterdryseason		
	✓ 2. dryhotsummer		
	3. low-latitude arid or dry		
	X 4. nodryseason		
	in local yearson		
		Question ID: 26433055816	
		Status: Answered	
		ChosenOption: 4	
	Part A General Engineering Civil & Structural		
	The reciprocal of density is known as specific volume. The dimension o	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension o a fluid is	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ²	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m ³ /kg	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m ³ /kg	f specific volume of	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³	of specific volume of Question ID: 26433088701	
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³		
Q.1	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³	Question ID: 26433088701	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is **\frac{1.MLT^2}{2.m^3/kg} **\frac{3.M^2L^3}{4.M^{-1}L^3} **A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is **\frac{1.MLT^2}{2.m^3/kg} **\frac{3.M^2L^3}{4.M^{-1}L^3} **\text{A compound piping system consists of 1500 m of 50 cm, 600 m of 40}	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material.	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M⁻¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material. 1.2778m 2.2400m	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M⁻¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material. 1.2778m 2.2400m 3.2500m	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M⁻¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material. 1.2778m 2.2400m	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M⁻¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material. 1.2778m 2.2400m 3.2500m	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30	
Q.1 Ans	The reciprocal of density is known as specific volume. The dimension of a fluid is 1.MLT ² 2.m³/kg 3.M²L³ 4.M⁻¹L³ A compound piping system consists of 1500 m of 50 cm, 600 m of 40 cm diameter pipes of the same material connected in series. Calculate the of a 40 cm pipe of the same material. 1.2778m 2.2400m 3.2500m	Question ID: 26433088701 Status: Answered ChosenOption: 4 cm and 400 m of 30 e equivalent length	

Select the correct option for the given statements. Statement 1: If CBR for 5 mm exceeds that for 2.5 mm, the CBR test should be repeated. Statement 2: If identical results follow, the CBR corresponding to 2.5 mm penetration should be taken for design. 1.Bothstatement1andstatement2aretruebutstatement2isnotthecorrect explanationofstatement1 2. Statement1isfalsebutstatement2istrue 3. Statement1istruebutstatement2isfalse X 4. Bothstatement1andstatement2aretrueandstatement2isthecorrectexplanation ofstatement1 Question ID: 26433096647 Status: Answered ChosenOption: 1 The type of footing in which the load bearing structures share the common rectangular or trapezoidal footing is called: X 1.eccentricfooting X 2. steppedfooting 3. combined footing X 4. isolatedfooting Question ID: 26433096587 Status: Answered $\hbox{ChosenOption:} 3$ Q.5 Which of the following is NOT a use of total station? Ans X 1.Remotedistanceandelevationmeasurement 2. Weather forecasting X 3. Areacomputation X 4. Pointlocation Question ID: 264330100683 Status: Answered $\hbox{ChosenOption:} 2$ Q.6 The design speed for a highway increases with an increase in the: X 1.cross-slopeoftheterrain 2. qualityofthepavementmaterial X 3. traffic density X 4. curvature Question ID: 26433091094 Status: Answered Chosen Option: 3

Q.7	Which of the following errors in linear measurement by chains or tapes wi negative?	I always be
Ans	X 1.Badranging	
	✓ 2. Chainlengthtoolong	
	3. Saginchain	
	× 4. Temperaturevariation	
	4. Temperature variation	
		Question ID : 264330100637
		Status: Answered
		ChosenOption:3
Q.8	For an 8 m simply supported RCC beam, the vertical deflection limits may	generally be
	assumed to be satisfied provided that the span to depth ratios are NO	greater than:
Ans	✓ 1.20	
	× 2.32	
	× 3.26	
	× 4.7	
		Question ID: 26433099791
		Status: Answered
		ChosenOption: 1
0.0	For the MOO consists and the For MF steel, the holomodynamics of ac-	days in
Q.9 Ans	For the M 20 concrete and the Fe 415 steel, the balanced moment of residual 1.2.76bd ²	stance is:
70	× 2.2.22bd ²	
	× 3.2.07bd ²	
	★ 4.2.66bd ²	
	4.2.0000	
		Question ID : 264330100901
		Status: Answered
		ChosenOption:2
Q.10	As per IS 800:2007, the slenderness ratio in a tension member where rev due to loads other than wind or seismic should NOT exceed	ersal of stress is
Ans	★ 1.240	
	× 2.100	
	✓ 3.180	
	× 4.350	
		Question ID: 264330100842
		Status: Answered
		ChosenOption:3

Q.11 Calculate the sound pressure level in decibel for a given sound pressure of 20×10^3 Micro-

- Ans X 1.104
 - **X** 2.40
 - **X** 3.4
 - **4.80**

Question ID: 26433095920 Status: Answered

ChosenOption:4

- Q.12 Which of the following statements is/are true?
 - i. CST series of sleepers are made of wood.
 - ii. The composite sleeper index is calculated for wooden sleepers.

- Ans X 1.Bothiandii
 - 2. Only ii
 - X 3. Only i
 - X 4. i is true and ii is the correct explanation of i

Question ID: 26433086545

Status: Answered

ChosenOption: 4

Q.13 A cantilever beam of length L is subjected to UDL of intensity w per unit length over its middle one third part. Calculate the shear force at its mid span and fixed end?

Ans

- \checkmark 1. Mid span = $\frac{w.L}{6}$, fixed end = $\frac{w.L}{3}$
- \times 2 Mid span = $\frac{\text{w.L}}{3}$, fixed end = $\frac{2\text{w.L}}{3}$
- \times 3. Mid span = $\frac{\text{w.L}}{3}$, fixed end = w.L
- × 4 Mid span = w.L, fixed end = zero

Question ID: 26433092164

Status: Answered

Chosen Option: 3

Q.14 The aggregates which are available near the riverfront are found to have a rounded shape

- Ans X 1.crushing
 - X 2. impaction
 - X 3. segregation
 - 4. attrition

Question ID: 264330100151

Status: Answered

ChosenOption: 4

	The Thiessen polygon method is used to			
Ans	1.calculatewindcorrectionforrainfall			
	2. calculate average precipitation over an area			
	3. estimate the convective part of rainfall			
	X 4. dividecatchmentsintosub-catchments			
		Question ID: 26433095852		
		Status: Answered		
		ChosenOption:4		
Q.16	The initial and final setting time durations for ordinary Portland cemer	nt, respectively, are:		
Ans	1.30minutesand10hours			
	2. 15minutesand30minutes			
	3. 1hourand3hours			
	4. 2hoursand24hours			
		Question ID : 26433094802 Status: Answered		
		Status: Ariswered ChosenOption: 1		
	Density of a fluid is its mass per unit volume. The dimension of der 1.M ² L ⁻³ 2. MLT ⁻²	ChosenOption: 1		
	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 	ChosenOption: 1		
	X 1.M²L⁻³ X 2. MLT⁻²	ChosenOption: 1		
	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 	ChosenOption:1 nsity of a fluid is Question ID: 26433088697		
	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 	ChosenOption:1 nsity of a fluid is Question ID: 26433088697 Status: Answered		
	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 	ChosenOption:1 nsity of a fluid is Question ID: 26433088697		
Ans	1.M ² L ⁻³ 2. MLT ⁻² 3. ML ⁻³ 4. kg/m ³ Which of the following statements of Abraham Law for water to ceme	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		
Q.18	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 4. kg/m³ 	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		
Ans Q.18	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 4. kg/m³ Which of the following statements of Abraham Law for water to ceme 1.Compressivestrengthincreaseswithdecreasingw/cRatio 2. Compressivestrengthincreaseswithincreasingw/cRatio 	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		
Ans Q.18	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 4. kg/m³ Which of the following statements of Abraham Law for water to ceme of the complex of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of Abraham Law for water to ceme of the following statements of t	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		
Ans Q.18	 1.M²L⁻³ 2. MLT⁻² 3. ML⁻³ 4. kg/m³ Which of the following statements of Abraham Law for water to ceme 1.Compressivestrengthincreaseswithdecreasingw/cRatio 2. Compressivestrengthincreaseswithincreasingw/cRatio 	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		
Ans Q.18	 ★ 1.M²L⁻³ ★ 2. ML⁻² ★ 3. ML⁻³ ★ 4. kg/m³ Which of the following statements of Abraham Law for water to ceme 1.Compressivestrengthincreaseswithdecreasingw/cRatio ★ 2. Compressivestrengthincreaseswithdecreasingw/cRatio ★ 3. Concrete strength directly proportional tow/c Ratio 	ChosenOption:1 Question ID: 26433088697 Status: Answered ChosenOption:3 ent ratio is true?		
Ans	 ★ 1.M²L⁻³ ★ 2. ML⁻² ★ 3. ML⁻³ ★ 4. kg/m³ Which of the following statements of Abraham Law for water to ceme 1.Compressivestrengthincreaseswithdecreasingw/cRatio ★ 2. Compressivestrengthincreaseswithdecreasingw/cRatio ★ 3. Concrete strength directly proportional tow/c Ratio 	ChosenOption:1 Ouestion ID: 26433088697 Status: Answered ChosenOption:3		

Q.19 Which principle states that the influence line for a function (reaction, shear, moment) is to the same scale as the deflected shape of the beam when the beam is acted on by the function? Ans X 1.VonMises X 2. Rankine X 3. Maxwell 4. Muller-Breslau Question ID: 26433099778 Status: Not Answered ChosenOption: --Q.20 The addition of a small portion of granite polishing waste in the design mix results in: Ans X 1.highervoidratio X 2. lighter concrete X 3. decreasedstrength 4. improvedpackingdensity Question ID: 26433088088 Status: Answered ChosenOption:4

Q.21 The shear stress distribution of a beam section has the following shape. Identify the shape of the beam section from the given options. Ans I-Section Angle Section Circular

 $\label{eq:QuestionID:26433088032} Question ID: 26433088032 \\ Status: Answered \\ Chosen Option: 2$

Q.22 For locating contours by indirect method, two guide points A (Elevation = 600 m) and B (Elevation = 610 m) are established. The horizontal distance between the two points on the plan is 1 cm. Find the distance of the contour of 605 m from point A (on the plan).

Ans 1.0.5cm

X 3. 1cm

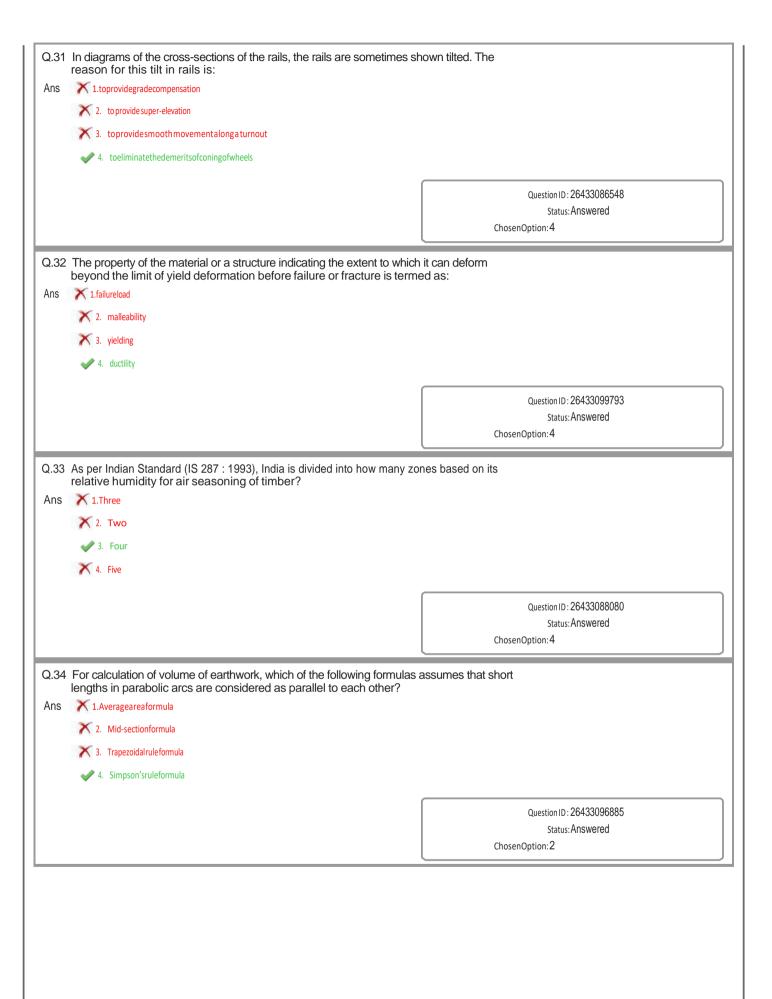
Triangular

X 4. 1m

 $\label{eq:Question ID: 264330100663} Question ID: 264330100663\\ Status: Answered\\ Chosen Option: 1$

Q.23 A simply supported beam of span L is subjected to two point loads, each of magnitude P, acting at one third of the span, as shown in the figure below. Which of the follloing statements is correct about the nature of the BMD? 1.Bendingmomentiszeroatthemidspansection. Ans igwedge 2. Bendingmomentfirstincreaseslinearlyuptomidspanthendecreaseslinearlyinthe middleonethirdpart. 3. Bending moment is constant in the middle one third part X 4. Bendingmomentisconstantintheleftonethirdpart Question ID: 26433092163 Status: Answered ChosenOption: 1 Q.24 The moisture content at which specified amount of compaction produces maximum dry density is known as _ Ans 1.optimummoisturecontent X 2. absolute moisture content X 3. specific moisture content X 4. retainedmoisture content Question ID: 26433096644 Status: Answered ChosenOption: 1 Q.25 The method of reciprocal ranging can be used in which of the following cases? 1.Obstacletochainingbutnotranging X 2. Obstructionbyabuilding 3. Obstacletorangingbutnotchaining X 4. Obstructionbyariver Question ID: 264330100640 Status: Answered ChosenOption:4 Q.26 Polyethylene and polyvinyl chloride resins are used in various parts of building areas for: Ans 1.structuralductility 2. termite proofing X 3. structuralstrength 4. water proofing Question ID: 26433088090 Status: Answered ChosenOption: 2

Q.27 The effective lengths of a column about the x axis and y axis are 3 m and 2.75 m, respectively. If the size of the column is $400 \text{ mm} \times 600 \text{ mm}$, classify the column. Ans X 1.Longcolumn 2. Shortcolumn X 3. Slendercolumn X 4. Pedestal Question ID: 26433096322 Status: Answered ChosenOption: 1 Q.28 The use of hollow pre cast concrete blocks in construction results in: Ans 1.reducingdeadweightofstructure increasing ductility of structure X 3. increasing load bearing capacity of structure X 4. increasing cost of structure Question ID: 26433088057 Status: Answered ChosenOption: 1 Q.29 The theory for the time rate of one-dimensional consolidation is NOT based on which of the following assumptions? 1.Theclaylayerisnotsaturated Ans X 2. Darcy'sLawisvalid 3. The clay layer is homogeneous Thecompression of the soil layer is due to the change involume only Question ID: 26433099738 Status: Answered Chosen Option: 3Q.30 The Central Pollution Control Board of India functions under the: Ans X 1.MinistryofHomeAffairs 2. MinistryofScienceandTechnology X 3. Ministry of Earth Sciences 4. MinistryofEnvironment,ForestandClimateChange Question ID: 26433095941 Status: Answered ChosenOption: 4



Q.35 Study the given table and answer the question that follows.

Line	FB	BB
AB	76° 30'	259° 10'
BC	110° 00'	289° 30'
CD	227° 00'	47° 00'
DA	309° 00'	130° 00'

The fore bearings and back bearings for a closed traverse ABCD are given above. Among the stations A, B, C and D, find the stations affected with local attraction and what will be the corrected FB of the line AB.

Ans

1. Localattraction: Cand D; FB of AB: 75°3	7		1. Loca	lattraction	:CandD	;FB of	AB: 75	°30
--	---	--	---------	-------------	--------	--------	--------	-----

2.Localattraction: Aand B; FB of AB: 75° 30'

3. Localattraction: Aand B; FB of AB: 77° 30'

4. Localattraction: Cand D; FB of AB: 77° 30′

QuestionID: 264330100650 Status: Answered

 $\hbox{Chosen\,Option:}\ 3$

Q.36 In consistency of soil, the limits are expressed in terms of ______.

Ans

1.percentageofwatercontent

X 2.time

X 3.volume/time

X 4.length

QuestionID: 26433096824 Status: Answered

Chosen Option: 1

- Q.37 Identify the method of road construction which has the following properties:
 - i. Has large number of transverse joints
 - ii. During rains, the water gets collected between the finished bays
 - iii. Needs complete diversion of traffic

Ans

1.Alternatebaymethod

X 2. Continuousbaymethod

X 3. Expansion joint method

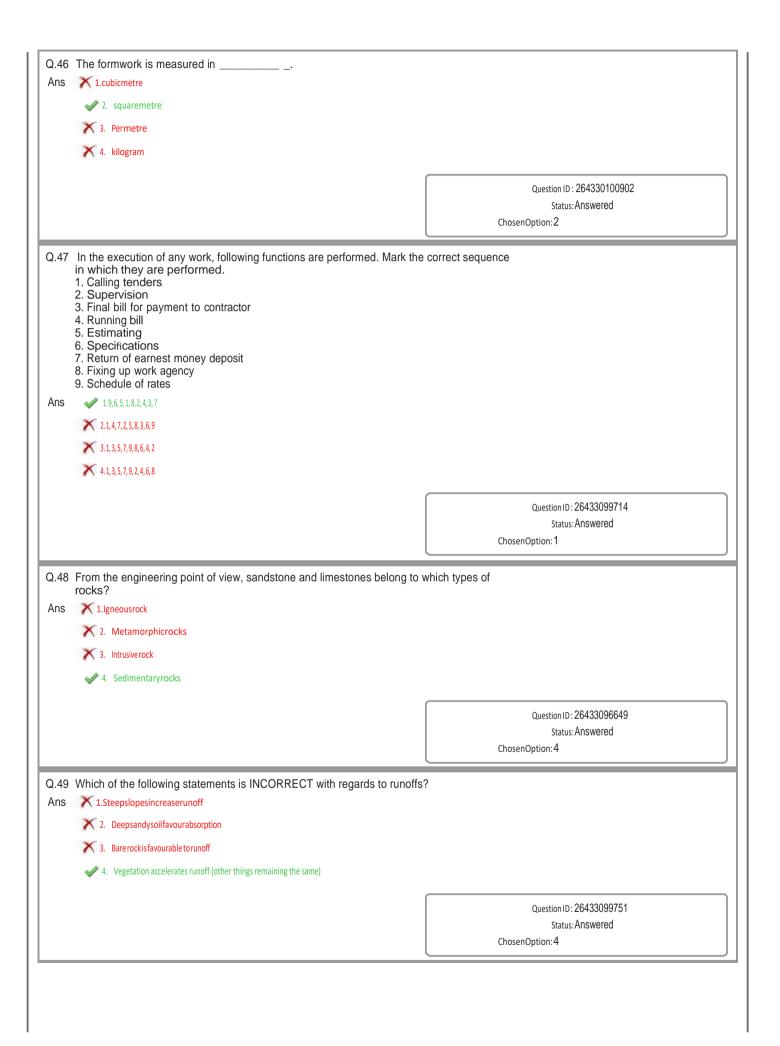
X 4. Dowelbarmethod

QuestionID: 26433086537 Status: Answered

Chosen Option: 1

	labour estimates?			
Ans	1.Projectowner			
	2. Crewmix			
	3. Workhourunitratesperquantity			
	X 4. Projectquantities			
		Question ID: 26433099715		
		Status: Answered		
		ChosenOption:1		
1.39	Conventionally, the biochemical oxygen demand (BOD) is measured for _	days.		
Ans	X 1.three			
	× 2. six			
	X 3. four			
	✓ 4. five			
		Question ID: 26433099767		
		Status: Answered ChosenOption: 4		
	A very thin sheet of wood which is cut from the round logs with 0.5 to 5 to called: 1.veneer 2. blockboard			
Q.40 Ans	called: ✓ 1.veneer			
	called: 1.veneer 2. blockboard 3. chipboard	mm thickness is		
	called: 1.veneer 2. blockboard 3. chipboard	Question ID: 26433088059		
	called: 1.veneer 2. blockboard 3. chipboard	mm thickness is		
Ans	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood	QuestionID: 26433088059 Status: Answered ChosenOption: 1		
Ans	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the	QuestionID: 26433088059 Status: Answered ChosenOption: 1		
Q.41	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1		
Ans Q.41	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution 2. waterpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1		
Ans Q.41	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution 2. waterpollution 3. soilpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1		
Ans Q.41	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution 2. waterpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1		
Ans	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution 2. waterpollution 3. soilpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1 control of:		
Ans Q.41	called: 1.veneer 2. blockboard 3. chipboard 4. fibrewood Initially, the Central Pollution Control Board was constituted only for the 1.airpollution 2. waterpollution 3. soilpollution	Question ID: 26433088059 Status: Answered ChosenOption: 1		

Q.42	As per IS 456-2000, what is the maximum free water-to-cement ratio of a reinforced concrete under extreme exposure conditions?	n M40 grade of
Ans	✓ 1.0.40	
	2.0.55	
	3.0.5	
	X 4.0.60	
		Question ID: 26433096520
		Status: Answered ChosenOption: 1
		Chosenoption. 1
Q.43	As per noise pollution rules – 2000, the permissible limit of noise (in dB	during night time
	of a residential area is given as: 1.65	
	✓ 2.45	
	× 3.55	
	× 4.40	
	4.40	
		Question ID: 26433095922
		Status: Answered
	For measurement of vertical angles through theodolite, the instrumen with reference to the bubble and the clamp the telescope in the vertical plane. *\times 1.spindle; vertical plate *\times 2. foot-screw; lower plate	ChosenOption:2
	with reference to the bubble and theclamp the telescope in the vertical plane. **\frac{1.\text{spindle; vertical plate}}{2.\text{ foot-screw; lower plate}} **\frac{3.}{altitude; vertical circle}	ChosenOption:2
	with reference to the bubble and the clamp the telescope in the vertical plane. **\times 1.spindle; vertical plate** **\times 2. foot-screw; lower plate**	ChosenOption:2
	with reference to the bubble and theclamp the telescope in the vertical plane. **\frac{1.\text{spindle; vertical plate}}{2.\text{ foot-screw; lower plate}} **\frac{3.}{altitude; vertical circle}	t should be levelled that is used to rotate Question ID: 264330100655
	with reference to the bubble and theclamp the telescope in the vertical plane. **\frac{1.\text{spindle; vertical plate}}{2.\text{ foot-screw; lower plate}} **\frac{3.}{altitude; vertical circle}	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
	with reference to the bubble and theclamp the telescope in the vertical plane. **\frac{1.\text{spindle; vertical plate}}{2.\text{ foot-screw; lower plate}} **\frac{3.}{altitude; vertical circle}	t should be levelled that is used to rotate Question ID: 264330100655
Ans	with reference to the bubble and theclamp the telescope in the vertical plane. **\frac{1.\text{spindle; vertical plate}}{2.\text{ foot-screw; lower plate}} **\frac{3.}{altitude; vertical circle}	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
Ans Q.45	with reference to the bubble and the clamp the telescope in the vertical plane. **\times 1.spindle; vertical plate **\times 2. foot-screw; lower plate **\times 3. altitude; vertical circle **\times 4. altitude; upper plate	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
Ans Q.45	with reference to the bubble and theclamp the telescope in the vertical plane. **\times 1.spindle; vertical plate **\times 2. foot-screw; lower plate **\times 3. altitude; vertical circle **\times 4. altitude; upper plate ** Which of the following relationships represents the hydrological cycle?	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
Ans Q.45	with reference to the bubble and theclamp the telescope in the vertical plane. *\times 1.spindle; vertical plate *\times 2. foot-screw; lower plate *\times 3. altitude; vertical circle *\times 4. altitude; upper plate * Which of the following relationships represents the hydrological cycle? *\times 1. Precipitation = Evaporation + Runoff	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
Ans Q.45	with reference to the bubble and theclamp the telescope in the vertical plane. **\times 1.spindle; vertical plate **\times 2. foot-screw; lower plate **\times 3. altitude; vertical circle **\times 4. altitude; upper plate ** **\times 1. Precipitation = Evaporation + Runoff **\times 2. Precipitation = \frac{Evaporation}{Runoff}	t should be levelled that is used to rotate Question ID: 264330100655 Status: Answered
Ans Q.45	with reference to the bubble and theclamp the telescope in the vertical plane. X 1.spindle; vertical plate X 2. foot-screw; lower plate X 3. altitude; vertical circle X 4. altitude; upper plate Which of the following relationships represents the hydrological cycle? ✓ 1. Precipitation = Evaporation + Runoff X 2. Precipitation = Evaporation Runoff X 3. Precipitation = Evaporation − Runoff	ChosenOption:2 It should be levelled that is used to rotate Question ID: 264330100655 Status: Answered ChosenOption:3 Question ID: 26433096111
Ans	with reference to the bubble and theclamp the telescope in the vertical plane. X 1.spindle; vertical plate X 2. foot-screw; lower plate X 3. altitude; vertical circle X 4. altitude; upper plate Which of the following relationships represents the hydrological cycle? ✓ 1. Precipitation = Evaporation + Runoff X 2. Precipitation = Evaporation Runoff X 3. Precipitation = Evaporation − Runoff	ChosenOption:2 It should be levelled that is used to rotate Question ID: 264330100655 Status:Answered ChosenOption:3



Q.50	Which of the following is the most commonly used disinfectant for water?
Ans	1.Chlorination
	× 2. Hydration

X 3. Acceleration X 4. Degradation

> Question ID: 26433099772 Status: Answered ChosenOption: 1

Q.51 During maintenance of the track, which of the following problems can be corrected by tightening the fish bolts properly?

Ans X 1.Ridingjoint

X 2. Pumpingjoint

3. Buckling of track

X 4. Blowingjoint

Question ID: 26433091102 Status: Answered ChosenOption: 3

Q.52 Specific gravity of a fluid is the ratio of its density to the density of a well-known fluid. Compare the specific gravity of water, mercury and oil. Take S_W = specific gravity of water, S_{oil} = specific gravity of oil, and S_{M} = specific gravity of mercury.

Ans
$$\times$$
 1. $S_M > S_W = S_{oil}$

$$\times$$
 2. $S_M < S_W > S_{oil}$

$$\checkmark$$
 3. $S_M > S_W > S_{oil}$

$$\times$$
 4. $S_M > S_W < S_{oil}$

Question ID: 26433088699 Status: Answered ChosenOption: 4

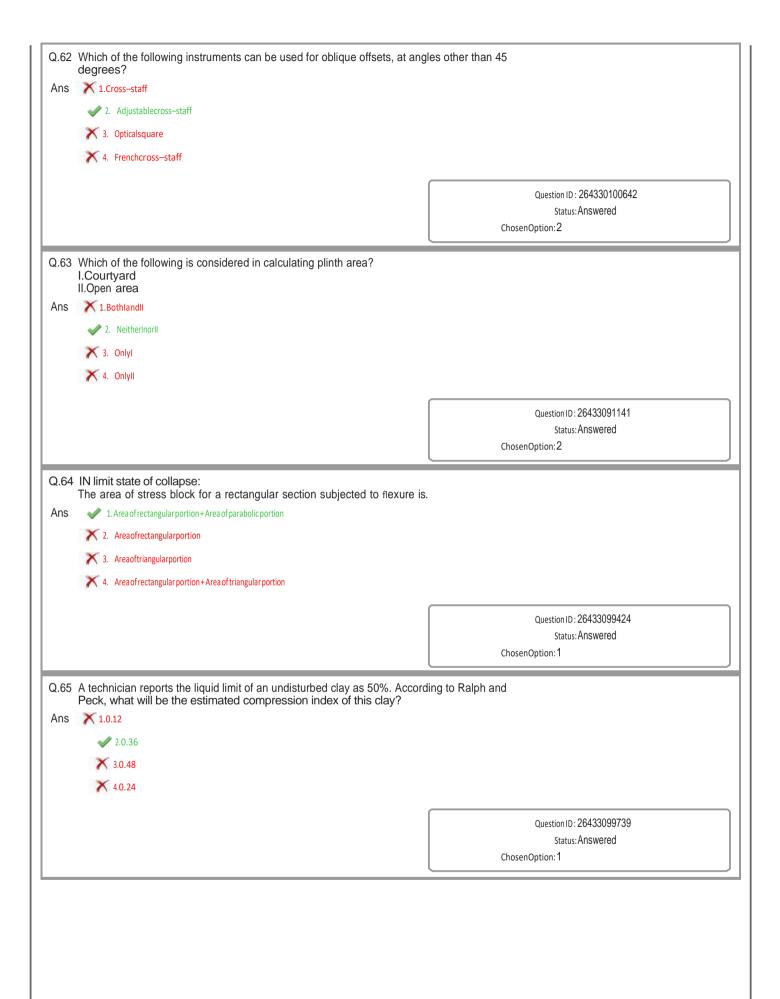
Q.53 While designing for fire resistance of a structure made with structural steel, no reduction in the yield stress needs to be considered below T° C, where T is:

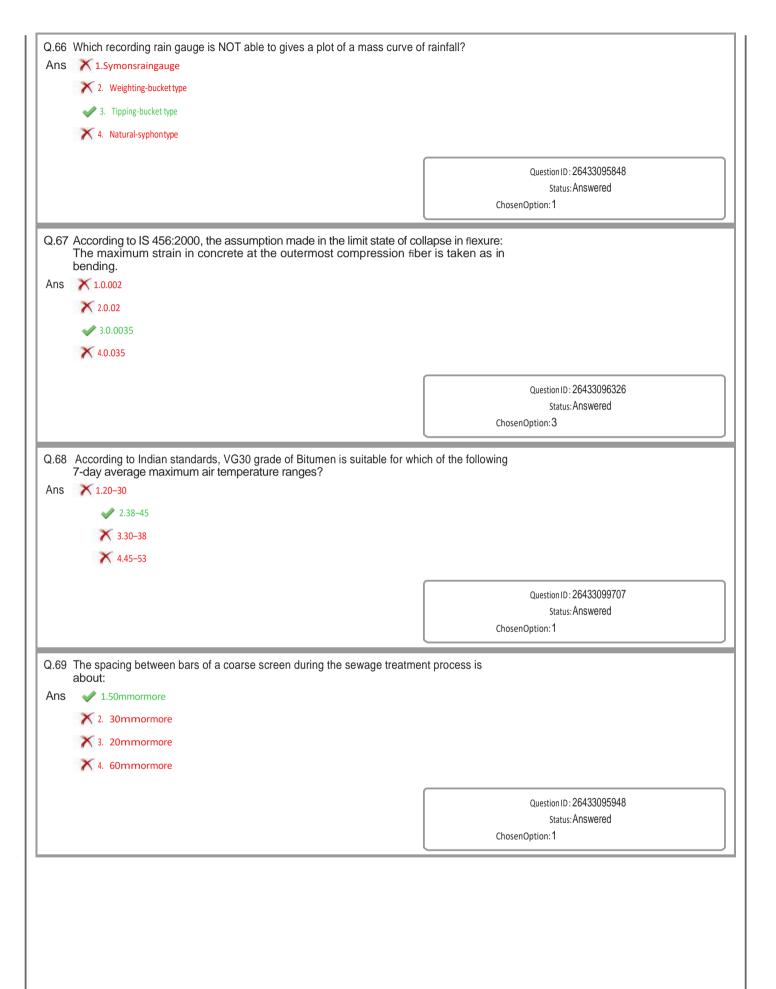
Question ID: 26433099796 Status: Answered

ChosenOption: 2

Q.54	The measure and adjustment of price levels for goods and services acro the economy is called as:	ss a broad sector of
Ans	1.rationalisation	
	2. depreciation	
	✓ 3. indexation	
	X 4. escalation	
		Question ID: 26433099712
		Status: Answered ChosenOption: 3
Q.55	The vehicle which holds the constituents of paints in suspension and ma spread the paint evenly and uniform on the surface is called:	se it possible to
Ans	1.base	
	× 2. drier	
	✓ 3. binder	
	X 4. pigments	
		Question ID: 26433091043
		Status: Answered
Q.56	The value of maximum shear force in a rectangular section of a beam ha is 50 kN. Calculate the width of the beam section if the permissible material is 5 MPa. 1.200mm	ChosenOption:1 ving depth 150 mm
	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm	ChosenOption:1 ving depth 150 mm
	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata	ChosenOption:1 ving depth 150 mm
	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm	ChosenOption:1 ving depth 150 mm
	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered
	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm	ving depth 150 mm kimum shear stress Question ID: 26433088035
Ans	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3
Ans	is 50 kN. Calculate the width of the beam section if the permissible material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible may of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it?	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it? 1.PlasterofParis	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it? 1.PlasterofParis 2. Cement	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it? 1.PlasterofParis 2. Cement 3. Geo-polymer	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption: 3 and evaporation of
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it? 1.PlasterofParis 2. Cement 3. Geo-polymer	ChosenOption:1 Ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption:3 and evaporation of Question ID: 26433088084
Ans Q.57	is 50 kN. Calculate the width of the beam section if the permissible man of material is 5 MPa. 1.200mm 2.Cannotbepredictedusingthegivendata 3.100mm 4.66.67mm Which is the product that is formed after the heating of gypsum at 393 K 75% of water content from it? 1.PlasterofParis 2. Cement 3. Geo-polymer	ChosenOption:1 ving depth 150 mm kimum shear stress Question ID: 26433088035 Status: Answered ChosenOption:3 and evaporation of

0.58		
Q.00	Find the head loss due to friction in a pipe of diameter 0.4 m and length 1 which water is flowing at a velocity of 2 m/s using Chezy's formula, for	00 m, through which C = 60.
Ans	X 1.1.51m	
	× 2.1.41m	
	✓ 3.1.11m	
	× 4.1.61m	
		Question ID : 26433088717 Status: Answered
		ChosenOption:2
	The direction of a line given by an angle measured clockwise from the no meridian is called:	rth end of a
Ans	1.paraboliccurve	
	× 2. contour	
	✓ 3. azimuth	
	4. horizontal curve	
		Question ID: 26433099726
		Question in: 20435099726 Status: Answered
		ChosenOption:3
0.60	In which of the following appear valuation is not required?	
Ans	In which of the following cases, valuation is not required? 1.Buyingandsellingofproperty	
	 2. A government building is to be constructed on government land 	
	3. Compulsoryacquisition	
	4. Security of loans against the property to be mortgaged	
		Question ID: 26433099717
		Status: Answered ChosenOption: 2
		CHOSCHOPHOLIZ
Q.61	Unit quantity rates for similar structure, in the same locality with similar required in	specification is
Q.61 Ans	Unit quantity rates for similar structure, in the same locality with similar required in 1.plinthareamethod	specification is
	required in	
	required in	Question ID : 26433091135 Status: Answered
	required in	Question ID: 26433091135
	required in	Question ID : 26433091135 Status: Answered
	required in	Question ID : 26433091135 Status: Answered





Q.70 As per IS 800:2007, the design bending strength of a laterally supported beam is given

Ans

$$\times_1$$
 $M_d = \beta_b \frac{\gamma_{mo} Z_p}{f_y}$

$$\chi_{2} M_{d} = \gamma_{mo} \frac{\beta_{b} f_{y}}{Z_{p}}$$

$$_{\checkmark}$$
 3. $M_d=\beta_b rac{Z_p f_y}{\gamma_{mo}}$

$$\, {\color{red} \, \, \raisebox{-.4ex}{$\scriptstyle \chi$}}_{4} \,\, M_d = \gamma_{mo} \frac{Z_p f_y}{\beta_b} \,\,$$

Question ID: 264330100832 Status: Answered

ChosenOption: 4

As per IS 383 (1970), the passing percentage of fine aggregates under the Zone IV from an IS 600 microns sieve is _

Ans X1.15-34%

× 2. 8-30%

3.80-100%

× 4. 60-79%

Question ID: 26433096512 Status: Answered

ChosenOption: 2

Q.72 For laminar flow through pipes, the Reynolds number should be:

Ans X 1.2000to3000

X 2.3000to4000

X 3. Greaterthan4000

4. Lessthan2000

Question ID: 26433099748 Status: Answered

ChosenOption: 4

Q.73 With passage of time, which of the following scales will NOT give accurate results due to shrinkage of the sheet or the paper?

i. Plane scale

- ii. Engineer's scale
- iii. Representative fraction

iv. Diagonal scale

Ans X 1.i,iiandiii

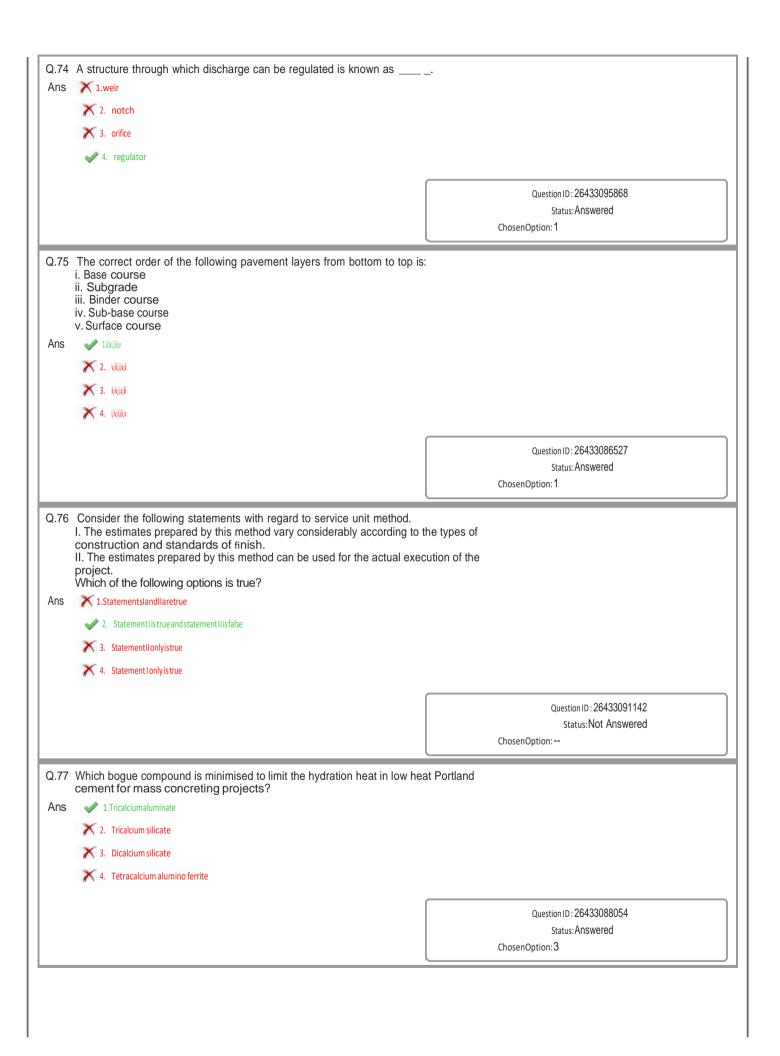
X 2. ii, iii and iv

3. iiandiii

X 4. iandiv

Question ID: 264330100635 Status: Answered

ChosenOption: 4



X 2. Channel X 3. Runnerandsprue X 4. Gateandrunner Question 19: 26433096822 Satus: Answered ChosenOption: 1 Question 19: 26433096822 Satus: Answered ChosenOption: 1 Question 19: 26433096822 Satus: Answered ChosenOption: 1 Question 19: 26433099742 Satus: Answered ChosenOption: 2 Question 19: 26433099742 Satus: Answered ChosenOption: 3 Question 19: 26433099742 Satus: Answered ChosenOption: 3 Question 19: 264330100959 Satus: Answered ChosenOption: 3	Ans **Sieve **X	Used? Ans 1. Sieve 2. Channel 3. Runnerandsprue 4. Gateandrunner QuestionID: 26433096822 Status: Answered ChosenOption: 1 2.79 Steady state of flow refers to: Ans 1. flowchangeswithtime 2. depthofflowinachannelwillremainsame 3. depthofflowinachannelwillremainsame 4. flowdoesnotchangewithtime QuestionID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,250 2.800,640 3.1600,0 4.800,0 QuestionID: 264330100959 Status: Answered ChosenOption: 3
X 2. Channel X 3. Runnerandsprue X 4. Gateandrunner Question 10 : 2643306822 Status: Ariswered Chosenoption: 1 Question 10 : 2643309742 Status: Ariswered Chosenoption: 2 Question 10 :	X 2. Channel X 3. Runnerandsprue X 4. Gateandrunner Question10: 26433096822 Status-Answered ChosenOption: 1 Question10: 26433098822 Status-Answered ChosenOption: 1 X 1.flowchangeswithtime X 2. depthofflowinachannelwillvery X 4. flowdoesnotchangewithtime Question10: 26433099742 Status-Answered ChosenOption: 2 Question10: 264330100959 Status-Answered ChosenOption: 3 Question 10: 264330100959 Status-Answered ChosenOption: 3	X 2. Channel X 3. Runnerandsprue X 4. Gateandrunner Question ID: 26433096822 Status: Answered ChosenOption: 1 Question ID: 26433096822 Status: Answered ChosenOption: 1 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 264330100959 Status: Answered ChosenOption: 3
X 3. Runnerandsprue X 4. Gateandrunner Question ID: 26433098822 Status: Ariswered ChosenOption: 1 Ans X: Infowchangewithtime X 2. depth of flow inachannel will very 4. flowdoes not changewithtime Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantillever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the nixed end. What will be the shear force (in N units) at the fixed end and been ding moment (in N.m. units) at the free end? X 1.500, 2350 X 1.800, 540 X 1.800, 540 Question ID: 264330100959 Status: Answered ChosenOption: 3 Ans X 1.co.e.laft X 2. one-fifth X 3. one-fifth X 3. one-third	X 3. Runnerandsprue X 4. Gateandrunner Question ID: 26433096822 Status: Answered ChosenOption: 1 2.79 Steady state of flow refers to: Ans X 1.flowchangeswithtime X 2. depthofflowinachannelwillumanisame X 3. depthofflowinachannelwillumy ✓ 4. flowdoesnotchangewithtime Question ID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? X 1.500,250 X 2.800,640 ✓ 3.1500,0 X 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3	X 3. Runnerandsprue X 4. Gateandrunner Question ID: 26433096822 Status: Aniswered ChosenOption: 1 Question ID: 26433096822 Status: Aniswered ChosenOption: 1 Question ID: 26433096822 Status: Aniswered ChosenOption: 1 Question ID: 26433096822 Status: Aniswered ChosenOption: 2 Question ID: 26433099742 Status: Aniswered ChosenOption: 3
Question ID: 26433096822 Status: Answered ChosenOption: 1 2.79 Steady state of now refers to: Ans	Question ID: 26433096822 Status: Answered ChosenOption: 1 2.79 Steady state of flow refers to: Ans	Question ID: 26433096822 Status: Answered ChosenOption: 1 Question ID: 26433096822 Status: Answered ChosenOption: 2 Question ID: 26433096822 Status: Answered ChosenOption: 1 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 264330100959 Status: Answered ChosenOption: 3
Question 10: 26433096822 Status: Answered ChosenOption: 1 Question 10: 26433096822 Status: Answered ChosenOption: 1 Ans X 1. flowchangeswithtime X 2. depthofflowina channelwill remainsame X 3. depth offlowina channelwill remainsame X 3. depthofflowina channelwill remainsame X 4. flowdoesnotchangewithtime Question 10: 26433099742 Status: Answered ChosenOption: 2 Question 10: 26433099742 Status: Answered ChosenOption: 2 Ans X 1.500_250 X 2.800_640 X 2.800_640 X 4.800.0 Question 10: 264330100859 Status: Answered ChosenOption: 3 Question 10: 264330100859 Status: Answered ChosenOption 10:	Question ID: 26433096822 Status: Answered ChosenOption: 1 Q.79 Steady state of flow refers to: Ans	Question ID: 26433096822 Status Answered ChosenOption: 1 Question ID: 26433096822 Status Answered Ans A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 X 2.800,640 3.1600,0 Question ID: 264330100959 Status Answered ChosenOption: 3
ChosenOption:1 C.79 Steady state of flow refers to: Ans	ChosenOption: 1 Q.79 Steady state of flow refers to: Ans	Status: Answered ChosenOption: 1 2.79 Steady state of flow refers to: Ans
CnosenOption:1 Q.79 Steady state of flow refers to: Ans	Q.79 Steady state of flow refers to: Ans	Status: Answered ChosenOption: 1 2.79 Steady state of flow refers to: Ans
ChosenOption:1 Q.79 Steady state of flow refers to: Ans	ChosenOption:1 Q.79 Steady state of flow refers to: Ans	ChosenOption:1 ChosenOption:1
Ans X I flowchangeswithtime X 2. depthofflowinachannelwillermainsame X 3. depthofflowinachannelwillermainsame X 4. flowdoesnotchangewithtime Question ID: 26433099742 Status Answered ChosenOption: 2 Q.80 A cantillever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans X 1.500,2350 X 2.800,640 X 3.1600,0 X 4.800,0 Question ID: 2643301100959 Status Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans X 1.ore-ball X 2. one-fifth X 3. one-third	Q.79 Steady state of flow refers to: Ans	2.79 Steady state of flow refers to: Ans
Ans	Ans	Ans 1.flowchangeswithtime 2. depthofflowinachannelwillvary 3. depthofflowinachannelwillvary 4. flowdoesnotchangewithtime Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 264330100959 Status: Answered ChosenOption: 3
X 2. depthofflowinachannelwillvery ✓ 4. flowdoesnotchangewithtime Question ID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m. units) at the free end? Ans ✓ 1.500,2350 ✓ 2.800,640 ✓ 3.1500,0 ✓ 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 2.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans ✓ 1.one-half ✓ 2. one-fifth ✓ 3. one-third	X 2. depthofflowinachannelwillvary 3. depthofflowinachannelwillvary 4. flowdoesnotchangewithtime Question ID: 26433099742 Status:Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans X 1.500,2350 X 2.800,640 3.1600,0 Question ID: 264330100959 Status:Answered ChosenOption: 3 2.81 When the water table is close to the ground surface, the bearing capacity of as soil is	2. depthofflowinachannelwillvary 3. depthofflowinachannelwillvary 4. flowdoesnotchangewithtime QuestionID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantillever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
		3. depthofflowinachannelwillvary 4. flowdoesnotchangewithtime Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Ans X 1.500,2350 X 2.800,640 X 3.1600,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
Question ID: 26433099742 Status:Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,540 3.1600,0 4.800,0 Question ID: 264330100959 Status:Answered ChosenOption:3 2.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to 1.0ne-half 2.0ne-fifth 3.0ne-third	Question ID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 2.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Question ID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
QuestionID: 26433099742 Status: Answered ChosenOption: 2 2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 2.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 1.one-half 2. one-fifth 3. one-third	Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 264330100959 Status: Answered ChosenOption: 3 Question ID: 264330100959 Status: Answered ChosenOption: 3 Question ID: 264330100959 Status: Answered ChosenOption: 3	Question ID: 26433099742 Status: Answered ChosenOption: 2 Question ID: 26433099742 Status: Answered ChosenOption: 3
Q.80 A cantillever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans	Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Status: Answered ChosenOption: 2 Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
Q.80 A cantillever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans	Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Status: Answered ChosenOption: 2 Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
ChosenOption:2 Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans	Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans \$\times 1.500,2350\$ \$\times 2.800,640\$ \$\times 3.1600,0\$ Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans \$\times 1.0ne-half \$\times 2. one-fifth \$\times 2. one-fifth \$\times 3. one-third	Q.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	2.80 A cantilever 2 m long beam carries point loads of 300, 500 and 800 N respectively at 0.5, 1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans	1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	1.2 & 2 m from the fixed end. What will be the shear force (in N units) at the fixed end and bending moment (in N.m units) at the free end? Ans 1.500,2350 2.800,640 3.1600,0 4.800,0 Question ID: 264330100959 Status: Answered ChosenOption: 3
Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 1. one-half 2. one-fifth 3. one-third	Question ID: 264330100959 Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Question ID : 264330100959 Status: Answered ChosenOption: 3
Status:Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans \$\square\$ 1. one-half \(\times 2. \) one-fifth \(\times 3. \) one-third	Status: Answered ChosenOption: 3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Status:Answered ChosenOption: 3
Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 1. one-half 2. one-fifth 3. one-third	ChosenOption:3 Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	ChosenOption:3
Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 2. one-fifth 3. one-third	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	
reduced to	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is
Ans 1. one-half 2. one-fifth 3. one-third		reduced to
2. one-fifth3. one-third		reduced to
3. one-third	·	
		Ans 🚀 1. one-half
4. unce-seventiti	X 3 one-third	Ans 1.one-half 2. one-fifth
		Ans 1. one-half 2. one-fifth 3. one-third
Question ID: 26433096807		Ans 1. one-half 2. one-fifth 3. one-third
	4. three-seventh	Ans 1. one-half 2. one-fifth 3. one-third 4. three-seventh
Status: Answered ChosenOption: 3	4. three-seventh Question ID: 26433096807 Status: Answered	Ans 1.one-half 2. one-fifth 3. one-third 4. three-seventh Question ID: 26433096807 Status: Answered
Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	
Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 1. one-fifth 3. one-third	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	ChosenOption:3
Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is reduced to Ans 2. one-fifth 3. one-third	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	
reduced to Ans	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is
reduced to	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	2.81 When the water table is close to the ground surface, the bearing capacity of as soil is
reduced to Ans	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is	Q.81 When the water table is close to the ground surface, the bearing capacity of as soil is
Ans 1.one-half 2. one-fifth 3. one-third	radiicad to	reduced to
2. one-fifth3. one-third		reduced to
3. one-third	Ans 💞 1. one-half	
3. one-third	2 one fifth	
	× 2. one-fifth	Ans 💜 1. one-half
		Ans 🗸 1. one-half
X 4. three-seventh		Ans 1.one-half 2. one-fifth
4. unterseventi	X 3. one-third	Ans 1.one-half 2. one-fifth
		Ans 1. one-half 2. one-fifth 3. one-third
		Ans 1. one-half 2. one-fifth 3. one-third
		Ans 1. one-half 2. one-fifth 3. one-third
7,000000000		Ans 1. one-half 2. one-fifth 3. one-third
	4. three-seventh	Ans 1. one-half 2. one-fifth 3. one-third 4. three-seventh
	4. three-seventh	Ans 1. one-half 2. one-fifth 3. one-third 4. three-seventh
Status: Answered	4. three-seventh Question ID: 26433096807	Ans 1.one-half 2. one-fifth 3. one-third 4. three-seventh Question ID: 26433096807
Question ID: 26433096807		Ans 1. one-half 2. one-fifth 3. one-third
	4. three-seventh	Ans 1. one-half 2. one-fifth 3. one-third 4. three-seventh
	4. three-seventh Question ID: 26433096807	Ans 1.one-half 2. one-fifth 3. one-third 4. three-seventh Question ID: 26433096807
Status: Answered	4. three-seventh Question ID: 26433096807	Ans 1.one-half 2. one-fifth 3. one-third 4. three-seventh Question ID: 26433096807
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		
2. one-fifth3. one-third	Ans / 1 one-half	
2. one-fifth3. one-third	Ans 💜 1. one-half	
X 3. one-third	Ans 🚀 1. one-half	
3. one-third	Ans 1.one-half	
X 3. one-third	·	
X 3. one-third	·	
X 3. one-third		
3. one-third	× 2 (70)	
3. one-third	× 2 £61.	
3. one-third	2 and fifth	
3. one-third	2 and fifth	
3. one-third	X 2 one-fifth	
3. one-third	2 and fifth	
X 3. one-third	2 200 564	
3. one-third		
3. one-third	·	
3. one-third	·	
3. one-third	·	
3. one-third	Ans 💞 1. one-half	
3. one-third	Ans 💞 1. one-half	
X 3. one-third	Ans 🚀 1. one-half	
2. one-fifth3. one-third	Ans 💜 1. one-half	
2. one-fifth3. one-third		reduced to
2. one-fifth3. one-third		100000010
3. one-third		
X 3. one-third	Ans 💜 1. one-half	
3. one-third	·	
3. one-third	·	

Q.82 According to IS 456: 2000, The expression for equivalent shear is given by_ $V_{\mathsf{U}} = \mathsf{SHEAR}$ V_F = EQUIVALENT SHEAR T_U = TORSIONAL MOMENT b = breadth of the beam $varphi_1$ $V_e = V_u + 1.6 T_u / b$ \times_2 $V_e = V_u + T_u / b$ \times 3. $V_e = V_u - 1.6 T_u / b$ \times_{4} $V_e = V_u + 1.6 b / T_u$ Question ID: 26433099429 Status: Answered ChosenOption: 1 Q.83 When the sanctioned estimate is found more than the actual requirement, __ prepared. Ans 1.asupplementaryestimate X 2. arepair estimate X 3. anapproximateestimate 4. arevised estimate Question ID: 26433091126 Status: Answered ChosenOption: 4 Q.84 Irrigation is necessary in an area where: A. Rainfall is uniform throughout the year B. Rainfall is highly erratic and irregular c. Land is waterlogged D. There are inadequate drainage facilities Ans X 1.A **√** 2.B X 3.C **X** 4.D Question ID: 26433095834 Status: Answered ChosenOption:2 Q.85 The surface of a liquid acts like a stretched elastic membrane under tension. This is mainly due to Ans X 1.viscosity 2. surfacetension X 3. velocity of flow X 4. capillarity Question ID: 26433088702 Status: Answered ChosenOption: 1

Q.86 Which of the following statements regarding, measurement of horizontal angles by theodolite are correct? i. Errors due to adjustments of line of collimation and the trunnion axis are eliminated by taking both face readings. ii. Errors due to eccentricity of verniers and centres are eliminated by taking both face readings. iii. Closing the horizon is a process related to reiteration method of measurement of iv. In closing the horizon process, the sum of angles is taken. This sum must be equal to 540°. Ans 1.iandiii X 2. iandiv X 3. iiandiv X 4. iiandiii Question ID: 264330100654 Status: Answered ChosenOption: 2 Q.87 The proposed design speed (km/h) for urban expressways as recommended by IRC is: Ans X 1.100 **X** 2.120 **3.80 X** 4.60 Question ID: 264330100973 Status: Answered $\hbox{ChosenOption:} 2$ Q.88 Which canal irrigates only on one side because the area on the other side is higher? Ans X 1.Ridgecanal 2. Contourcanal X 3. Watershed canal X 4. Sideslopecanal Question ID: 26433095870 Status: Answered ChosenOption: 3 Q.89 Which of the given options is NOT a part of preliminary treatment of sewage? 1.Sedimentationtanks Ans X 2. Screening X 3. Gritchambers X 4. Skimming tanks Question ID: 26433095947 Status: Answered ChosenOption: 1

	Water head upstream is increased when the main canal is means of	anning marrow supplies by		
ns	1.bedbanks			
	✓ 2. crossregulators			
	X 3. gates			
	X 4. sluices			
		Question ID : 26433095867 Status: Answered		
		ChosenOption:3		
) Q1	Calculate the development length in terms of bar diamete	or for tensile reinforcing har of		
	grade Fe 415, if design bond stress c_{bd} for M25 grade co			
∖ns	✓ 1. 40 ф			
	× 2. 37 φ			
	★ 3. 50 φ			
	× 4. 47 ф			
		0		
		Question ID: 26433096332 Status: Answered		
		ChosenOption:1		
Ans	thickness of web should be 1.lessthan9.4e 2. lessthan52e 3. lessthan84e			
	At a last section			
	√ 4. lessthan42ε			
	4. lesstnan42ε	Question ID : 264330100837		
	4. lesstnan42ε	Question ID : 264330100837 Status: Not Answered		
	4. lesstnan42ε			
Q.93	Freezing of freshly laid concrete seriously impairs the stru	Status: Not Answered ChosenOption:		
	·	Status: Not Answered ChosenOption:		
	Freezing of freshly laid concrete seriously impairs the struresults in strength loss due to the:	Status: Not Answered ChosenOption:		
	Freezing of freshly laid concrete seriously impairs the struresults in strength loss due to the: 1.formationoficelensesincapillarycavities	Status: Not Answered ChosenOption:		
	Freezing of freshly laid concrete seriously impairs the struresults in strength loss due to the: 1.formationoficelensesincapillarycavities 2. air-entrainingagents	Status: Not Answered ChosenOption:		
	Freezing of freshly laid concrete seriously impairs the struresults in strength loss due to the: 1.formationoficelensesincapillarycavities 2. air-entrainingagents 3. highworkability	ChosenOption:		
Q.93 Ans	Freezing of freshly laid concrete seriously impairs the struresults in strength loss due to the: 1.formationoficelensesincapillarycavities 2. air-entrainingagents 3. highworkability	Status: Not Answered ChosenOption:		

Q.94	Alloys, often called Mutz metals or yellow metals, contain how muc in them?	ch percentage of copper
Ans	✓ 1. 57-63%	
	× 2. 78-89%	
	× 3. 70-75%	
	× 4. 37-45%	
		Question ID: 26433088056 Status: Answered
		ChosenOption: 1
0.05	The state of the s	
Q.95	The damaged material on the surface of road which is removed by action is called:	rubbing or chipping
Ans	1.rutting	
	✓ 2. abrasion	
	X 3. attrition	
	× 4. stripping	
		Question ID: 26433088062
		Status: Answered
		ChosenOption: 4
Ans	What is the specific term that is described for the $\frac{\epsilon}{1}$	00 5
	X 2. Cutback	
	2. Cutback3. Residual	
	X 2. Cutback	
	2. Cutback3. Residual	Question ID: 26433088069
	2. Cutback3. Residual	Status:Answered
	2. Cutback3. Residual	
	2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered
Q.97 Ans	 2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered
	2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered
	 2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered
	2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered
	 2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status: Answered ChosenOption: 2 Question ID: 26433095847
	 2. Cutback 3. Residual 4. Penetration An automatic rain gauge is used to measure	Status:Answered ChosenOption: 2

Q.98	When the fine aggregate is moist, volume batching is not considered as a proportioning because of the	good method for
Ans	1.irregulargrainparticles	
	2. specific gravity	
	3. fineness modulus	
	4. bulkingofsand	
		Question ID : 26433096524 Status: Answered Chosen Option: 4
Q.99 Ans	Which of the following is unfavourable for economic bridge construction? 1. The existing road passes very near to the proposed bridge site.	
	2. Therockfoundationisavailableat40mdepthfromthegroundsurface.	
	3. Theriverwidthisnarrow.Thecurrentvelocityissmall.Theriverhasmildgradient.	
	4. Inexpensivelabourandampleconstructionmaterialisavailableneartheproposed bridgesite.	
		Question ID: 26433099762 Status: Answered ChosenOption: 2
).100 Ans	Total quantity method requires	
	2. approximatedrawing	
	X 3. outline drawing	
	4. onlyspecifications without drawing	
		Question ID : 26433091131 Status: Answered ChosenOption: 1