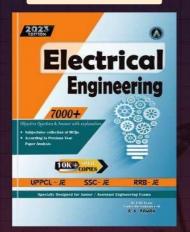


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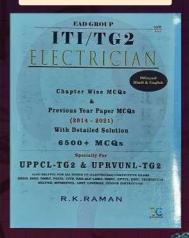
Electrical-JE



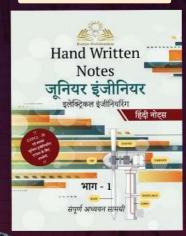
Electronics-JE



ITI-Electrician



JE Short Notes

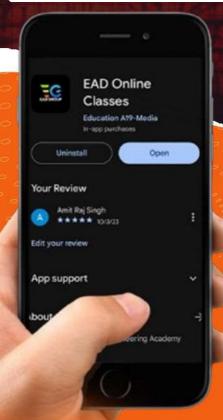


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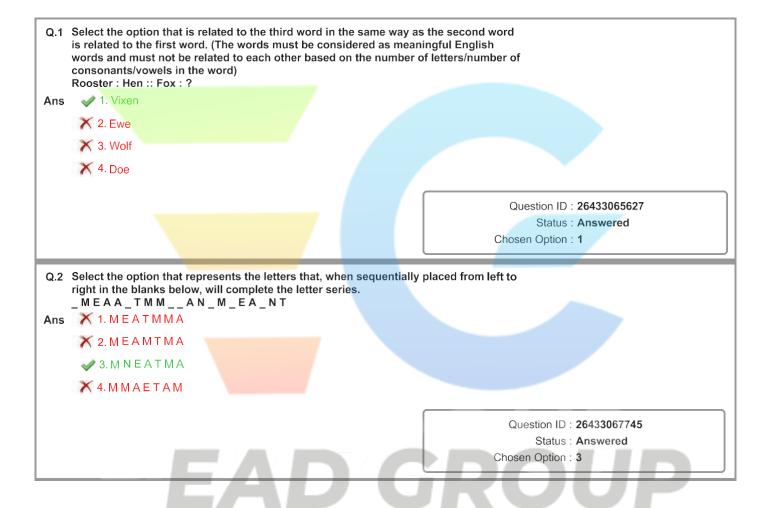
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Roll Number	
Candidate Name	
Venue Name	
Exam Date	16/11/2022
Exam Time	5:00 PM - 7:00 PM
Subject	Junior Engineer 2022 ∟lectrica



Q.3 In this question three statements are given followed by three conclusions I, II and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion(s) logically follow(s) from the given statements.

Statements:

All metals are solids.

Some solids are conductors.

No conductor is black.

Conclusions:

- (I) Some metals are conductors.
- (II) No solid is black.
- (III) All conductors are solids.

Ans X 1. All conclusions I, II and III follow.

2. None of the conclusions follow.

3. Only conclusion III follows.

X 4. Only conclusion II follows.

Question ID: 26433057927

Status: Answered

Chosen Option: 4

Q.4 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, 131, 5)

(2, -11, 3)

Ans X 1. (8, 1120, 9)

X 2. (2, -31, 4)

3. (6, 953, 7)

X 4. (1, -5, 2)

Question ID: 26433067935

Status: Not Answered

Chosen Option: --

Q.5 In a certain code language, 'OTHERS' is written as 'RQDGSN' and 'SCHOOL' is written as 'KNNGBR'. How will 'SPORTS' be written in that language?

Ans X 1. RSQOOQ

X 2. RSQNPR

X 3. RTQNOR

4. RSQNOR

Question ID: 26433056665

Status: Answered

- Q.6 Select the option that indicates the correct arrangement of the given parts of a car in a logical and meaningful order.
 - 1. Windshield
 - 2. Headlight
 - 3. Boot
 - 4. Steering
 - 5. Seats

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

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

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

4. 2, 1, 4, 5, 3

Question ID: 26433074509 Status: Answered

Chosen Option: 4

Q.7 In a certain code language, 'PRISON' is written as 'QTJUPP' and 'RECORD' is written as 'SGDQSF'. How will 'OBTAIN' be written in that language?

Ans

X 1. PDECKO

X 2. PDUDKO

X 3. PDUCLO

4. PDUCJP

Question ID: 26433056915

Status: Answered

Chosen Option: 4

Q.8 Town D is to the north of Town A. Town B is to the west of Town A. Town M is to the south of Town B. Town C is to the west of Town D. Town B is to the south of town C.Town M is to the south-west of Town A. What is the position of Town B with respect to Town D?

Ans

1. South-west

X 2. West

X 3. North

X 4. North-west

Question ID: 26433076692

Status: Answered

Q.9 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

ytr27da

ytr27dg.tx anA

X2 splzrlk

ytr27da 🛚 🗙

ytr27da 4 🐦

Question ID: 26433055957

Status : Answered

Chosen Option: 4

Q.10 Which of the following numbers will replace the question mark (?) and complete the given number series?

5, 6, 14, 45, ?

Ans X 1. 186

2. 184

X 3. 188

X 4. 182

Question ID: 26433067476

Status: Not Answered

Chosen Option: --

Q.11 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

12*10*41*100*61

Ans X 1. +,+,=, -

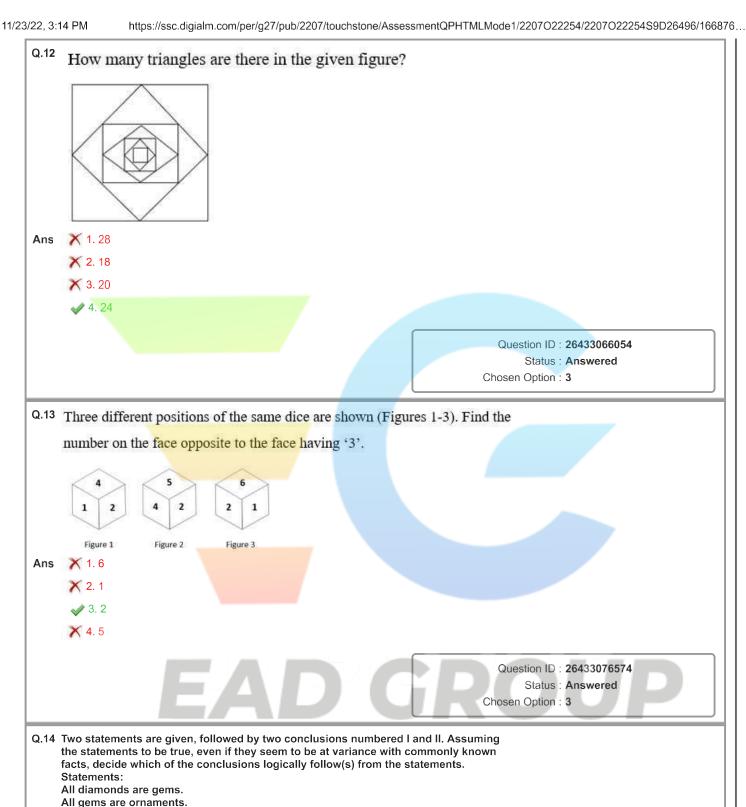
2. ×,+,=,+

X 3, ×, -,=, -

X 4. +,=,×,+

Question ID : 26433057952

Status: Answered



Conclusions:

I. Some ornaments are diamonds.

II. All ornaments are gems.

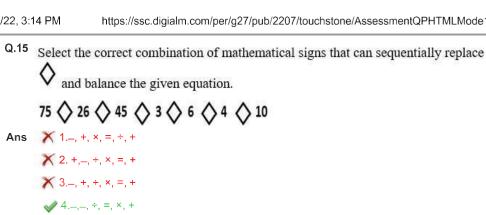
1. Only conclusion I follows

X 2. Only conclusion II follows

X 3. Neither conclusion I nor II follows

X 4. Both conclusions I and II follow

Question ID: 26433056692 Status: Answered Chosen Option: 1



Question ID: 26433067484 Status: Answered

Chosen Option: 4

Q.16 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

HF__HFD_HF_VHFDV__DV

1. DVVDHF

2. DVHHDF

X 3. DVDDHF X 4. DDVVHF

> Question ID: 26433056240 Status: Answered

Chosen Option: 1

Q.17 Select the word-pair in which the two words are related in the same way as are the two words in the given pair.

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

Immerse: Emerge

Ans X 1. Instill : Inject

2. Obvious : Obscure

X 3. Jovial : Cheerful

X 4. Mitigate : Relieve

Question ID: 26433068484 Status: Answered

Chosen Option: 2

Q.18 L, M, N, O, P, Q and R are seven friends of different heights. O is taller than five of his friends. P is taller than only L. M is taller than three of his friends and shorter than three of his friends. R is not the tallest. Q is immediately shorter than M. Who amongst the seven friends is the tallest?

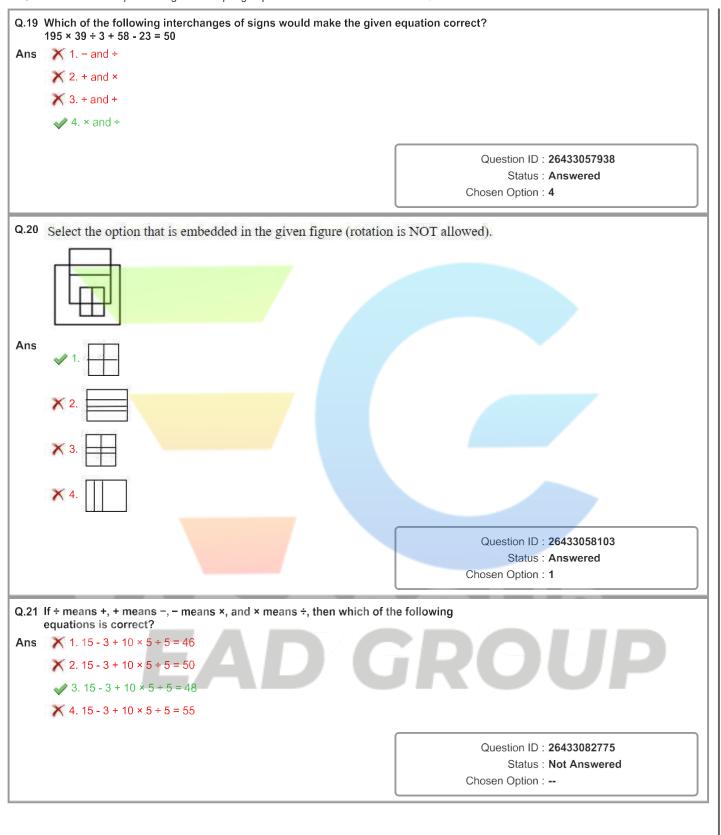
Ans X 1. L

X 2. O

X 3. M

🥠 4. N

Question ID: 26433068756 Status: Answered



Q.22 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

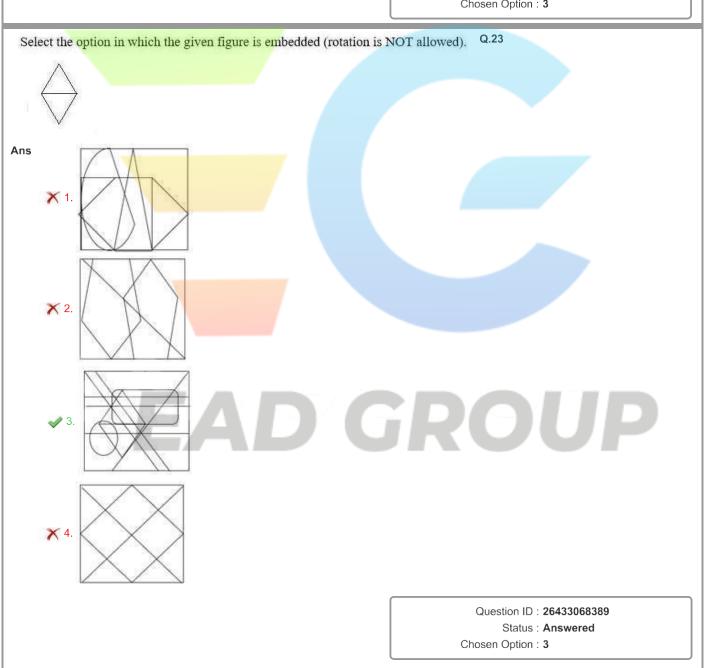
Drawing: Paper:: Driving:?

X 1. Driver X 2. Steering

3. Road

X 4. Wheel

Question ID: 26433055933 Status: Answered



Ans	INIAN I E. CANANIA. S. LIGG. CINIGIS	
	MWYP, QAWN, ?, YISJ, CMQH 1. SCXN	
	X 2. RCXM	
	X 3. SBYO	
	✓ 4. UEUL	
	₩ OLOL	
		Question ID : 26433068046
		Status : Answered
		Chosen Option : 4
O 25	Which of the following numbers will replace the question	mark (2) in the given series?
	2, 5, 13, 36, ?	Tillark (:) Ill tile given series:
Ans	1. 108	
	× 2. 105	
	✓ 3. 104	
	× 4. 110	
		Question ID : 26433067884
		Status : Not Answered Chosen Option :
		Chosen Option :
Ans	Select the option that represents the correct order of the appear in an English dictionary. 1.Grapevine 2.Grudge 3.Grapple 4.Grunt 5.Grapes 6.Gruelling 7.Grumpy	1. 1, 3, 5, 2, 6, 7, 4
Q.27	2. 5, 1, 3, 2, 6, 7, 4 3. 1, 5, 3, 2, 6, 7, 4 4. 5, 1, 3, 2, 7, 6, 4 Select the option that is related to the third word in the s	Question ID : 26433067554 Status : Answered Chosen Option : 1
	Select the option that is related to the third word in the s is related to the first word. (The words must be considered words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:?	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English
	Select the option that is related to the third word in the s is related to the first word. (The words must be consider words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:?	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English
	Select the option that is related to the third word in the s is related to the first word. (The words must be considered words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:? 1. Office 2. Food	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English
	Select the option that is related to the third word in the s is related to the first word. (The words must be consider words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:? 1. Office 2. Food 3. Kitchen	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English
	Select the option that is related to the third word in the s is related to the first word. (The words must be considered words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:? 1. Office 2. Food	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English
	Select the option that is related to the third word in the s is related to the first word. (The words must be consider words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:? 1. Office 2. Food 3. Kitchen	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English e number of letters/number of
	Select the option that is related to the third word in the s is related to the first word. (The words must be consider words and must not be related to each other based on the consonants/vowels in the word.) Waiter: Restaurant:: Chef:? 1. Office 2. Food 3. Kitchen	Status : Answered Chosen Option : 1 ame way as the second word ed as meaningful English

Q.28 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.

15:60::9:?::10:35

1.30

X 2. 39

X 4.45

Question ID: 26433057578

Status: Not Answered

Chosen Option: --

Q.29 Gopi is Kishan's brother. Ram is Kishan's father. Geetha is Kishan's sister. How is Geetha related to Gopi?

Ans

X 1. Mother

2. Sister

X 3. Wife

X 4. Daughter

Question ID: 26433070337

Status: Answered

Chosen Option: 2

Q.30 Person A starts moving towards the North and walks 4 km walks 8 km. He takes a left turn and walks 2 km and then to km. How much and in which direction does he need to walk n from where he started?

then turns right and ft again and walks 8 neach the point

X 1. 4 km North

2. 6 km South

X 3. 2 km North

X 4, 2 km South

Question ID: 26433068158

Status: Answered

Chosen Option: 2

Q.31 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.

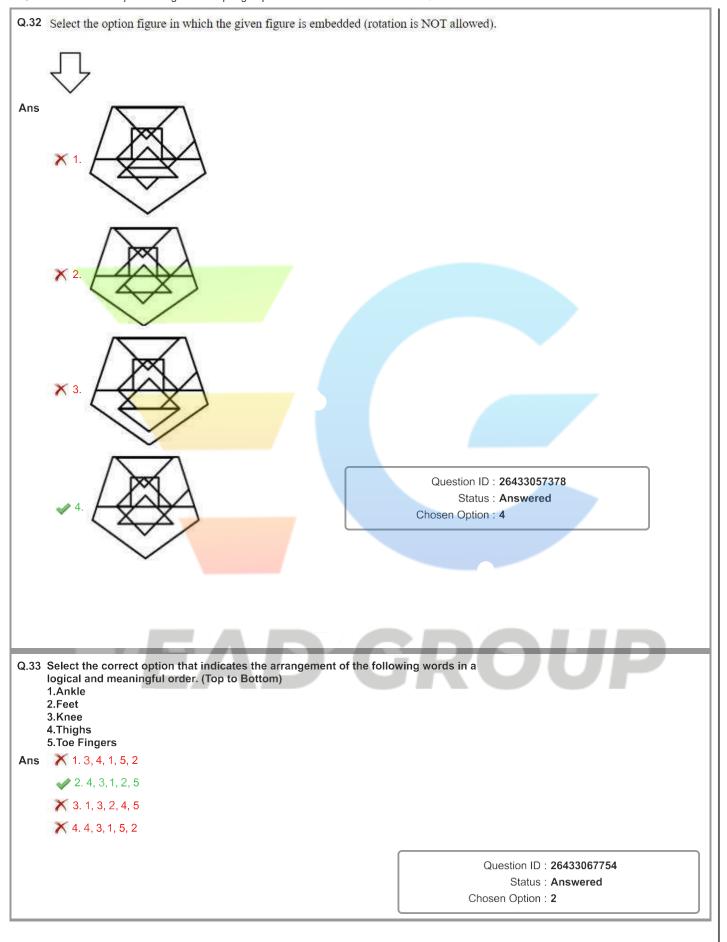
10:-400::4:?::6:-72

Ans X 1. –28

X 3. -20

Question ID: 26433092718

Status: Not Answered



	Select the option that is related to the third word in the same way is related to the first word. (The words must be considered as me words and must not be related to each other based on the number consonants/vowels in the word.) Ignore: Notice:: Extinguish:?	aningful English
Ans	X 1. Douse	
	√ 2. Kindle	
	X 3. Put out	
	X 4. Quench	
		Question ID: 26433067389 Status: Answered
		Chosen Option : 1
Q.35	Which letter cluster will replace the question mark (?) to complet	e the given series?
Ans	WIDU, CVYI, ?, OVOK, UIJY ✓ 1. IITW	
71110	X 2. IHRE	
	X 3. JSWE	
	X 4. JIEW	
		Ouestion ID: 26433079433
		Question ID : 26433079433 Status : Answered
Q.36		
Q.36 Ans	X 4' 138 X 3' 135 X 5' 140 Select the number from among the given options that can replace (?) in the following series. 211, 158, 187, ?, 163, 110, 139	Status : Answered Chosen Option : 1
	X 3. 135 Select the number from among the given options that can replace (?) in the following series.	Status : Answered Chosen Option : 1
	X 3. 135 Select the number from among the given options that can replace (?) in the following series.	Status : Answered Chosen Option : 1
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbor of O and T. O is to the Select the number from among the given options that can replace (?) in the following series.	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	 Y. K. T. W. M. V. O. L. are sitting in a circle facing the centre. N is the interest of the number from among the given options that can replace (?) in the following series. 	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbour of O and L. O is to the Select the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from the number from a circle facing the centre. N is the information of the number from the number from the number from the number from a circle facing the centre.	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the of J and M. P is not the immediate neighbour of O and L. O is to the J. Who sits to the immediate right of N? Select the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from among the given options that can replace the number from the number from the number from among the given options that can replace the number from t	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbour of O and L. O is to the J. Who sits to the immediate right of N? X 1. M X 2. O	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbour of O and L. O is to the J. Who sits to the immediate right of N? X 1. M X 2. O X 3. P	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbour of O and L. O is to the J. Who sits to the immediate right of N? X 1. M X 2. O X 3. P	Status : Answered Chosen Option : 1 Ce the direction mark Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour
Ans	J, K, L, M, N, O, P are sitting in a circle facing the centre. N is the information of J and M. P is not the immediate neighbour of O and L. O is to the J. Who sits to the immediate right of N? X 1. M X 2. O X 3. P	Status : Answered Chosen Option : 1 Question ID : 26433057033 Status : Answered Chosen Option : 1 mmediate neighbour ne immediate right of

Q.38 In a code language, 'TURNIP' is coded as WXUQLS and 'ORANGE' is coded as RUDQJH. How will 'GRAPES' be coded in the same language?

X 1. KVDSHU

2. JUDSHV

X 3. JVDSHW

X 4. JUESHV

Question ID: 26433057893 Status: Answered

Chosen Option: 2

Q.39 In a certain code language, 'CAUGHT' is written as 'AYSEFR' and 'PERFECT' is written as 'NCPDCAR'. How will 'REALIZE' be written in that language?

Ans X 1. QDZKHYD

X 2. SGCMKBC

X 3. SFBMJAF

4. PCYJGXC

Question ID: 26433056579

Status: Answered

Chosen Option: 4

Q.40 Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

G_H_HH__HG_H

Ans

X 1. HHGGH

X 2. GGHGG

3. HGGHH

X 4. HGHGH

Q.41 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) (14, 29, 59)

(6, 13, 27)

Ans X 1. (13, 26, 52)

X 2. (9, 20, 42)

3. (11, 23, 47)

X 4. (5, 15, 33)

Question ID: 26433057085 Status: Not Answered

Q.42 Three different positions of the same dice are shown (Figures 1-3). Find the number on the face opposite to the face having '6'.







Figure 1

Figure 2

Figure 3

Ans

- 1. 1
- X 2.4
- **X** 3. 3
- X 4.5

Question ID: 26433076568

Status: Answered

Chosen Option: 1

Q.43 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.

62:39::78:?::58:37

Ans X 1. 49

X 2. 52

X 3. 43

4. 47

Question ID: 26433057583

Status: Not Answered

Chosen Option: --

Q.44 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1.Neuter
- 2.Newman
- 3.Neurology
- 4. Nuisance
- 5.Newfoundland
- 6.Neutral
- 7.Newest

Ans X 1, 3, 1, 6, 5, 7, 2, 4

X 2. 3, 6, 1, 7, 2, 5, 4

3. 3, 1, 6, 7, 5, 2, 4

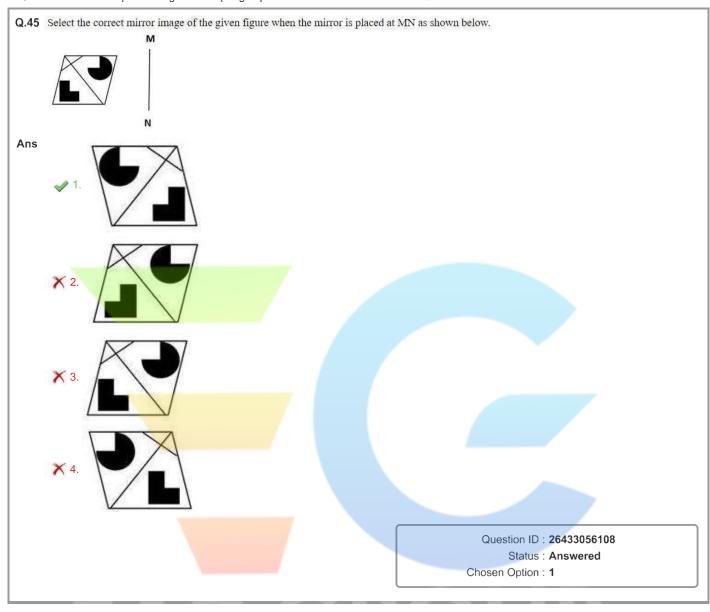
X 4. 3, 1, 6, 7, 2, 5, 4

Question ID: 26433067555

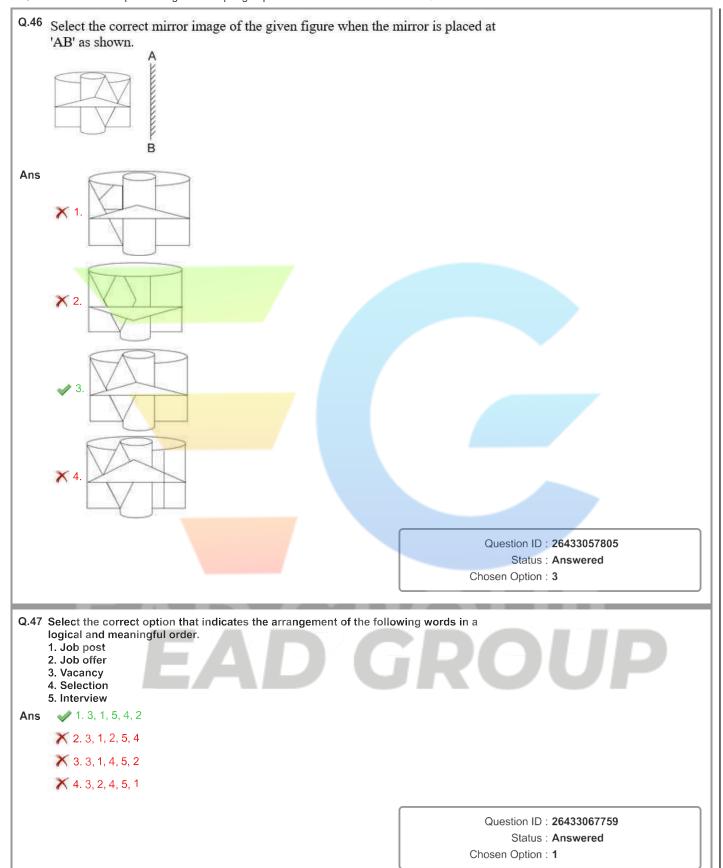
Status: Answered

Chosen Option: 3

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https://ssc.digialm.com/per/g27/pub/2207/touchstone/AssessmentQPHTMLMode1/2207O22254/2207O22254S9D26496/16687623059476464/4205...

Q.48 'A + B' means 'A is the brother of B'.

'A – B' means 'A is the father of B'.

'A × B' means 'A is the sister of B'.

'A \div B' means 'A is the mother of B'. If P × M \div S × R – T + Q, then which of the following statements is NOT correct?

Ans X 1. P is T's father's mother's sister

X 2. R is the father of Q.

3. S is the mother of Q

X 4. P is R's mother's sister

Question ID: 26433056925

Status : **Answered** Chosen Option : **3**

Q.49 Six friends, A, B, C, D, E, and F are seated in a row facing north. There are exactly two seats to the left of B. F is an immediate neighbour of both B and D. E is not at either of the extreme seats of the row. C is not an immediate neighbour of E. If A and D decide to swap their positions, what will be the new position of A?

Ans X 1. Second to the left of F

X 2. Extreme right of the row

X 3. Third from the right end

4. Third to the right of E

Question ID: 26433068372

Status: Not Answered

Chosen Option: --

Q.50 Select the option that is embedded in the given figure (rotation is NOT allowed).



Ans









Question ID: 26433058098 Status: Answered

Chosen Option: 1

Section: General Awareness

Q. I	The 3 rd edition of the SAFF U-18 Women's Football Championship was held in in March 2022.		
Ans	X 1. Maharashtra		
	X 2. Madhya Pradesh X 3. Bihar		
	4. Jharkhand		
		0 11 17 20100000	
		Question ID: 26433089935 Status: Answered	
		Chosen Option: 4	
Q.2	Hideki Yukawa, who received the Nobel Prize in 1949, is well kn discovery?	own for which	
Ans	100 M		
	X 2. Measurement of electronic charge		
	X 3. Cascade process of cosmic radiation		
		Question ID: 264330100015 Status: Not Answered	
		Chosen Option :	
Q.3 Ans	At present, how many fundamental duties are mentioned in the	Indian Constitution?	
✓ 2. 11			
	√ 2. 11		
	✓ 2. 11✗ 3. 12		
	√ 2. 11		
	✓ 2. 11✗ 3. 12	Ougstion ID : 26/2306/818	
	✓ 2. 11✗ 3. 12	Question ID : 26433064818 Status : Answered	
	✓ 2. 11✗ 3. 12		
	✓ 2. 11✗ 3. 12✗ 4. 10	Status : Answered Chosen Option : 2	
Q.4	✓ 2. 11✗ 3. 12✗ 4. 10	Status : Answered Chosen Option : 2	
Q.4 Ans	2. 11 3. 12 4. 10 was the Governor General of India when the Permanintroduced.	Status : Answered Chosen Option : 2	
	 ✓ 2. 11 ✗ 3. 12 ✗ 4. 10 was the Governor General of India when the Permanintroduced.	Status : Answered Chosen Option : 2	
	was the Governor General of India when the Perman introduced. 1. Lord Cornwallis	Status : Answered Chosen Option : 2	
	was the Governor General of India when the Perman introduced. 1. Lord Cornwallis 2. Lord Linlithgow	Status : Answered Chosen Option : 2	
	was the Governor General of India when the Permanintroduced. 1. Lord Cornwallis 2. Lord Linlithgow 3. Lord Irwin	Status : Answered Chosen Option : 2	
	was the Governor General of India when the Permanintroduced. 1. Lord Cornwallis 2. Lord Linlithgow 3. Lord Irwin	Status : Answered Chosen Option : 2 ent Settlement was Question ID : 26433089139	
	was the Governor General of India when the Permanintroduced. 1. Lord Cornwallis 2. Lord Linlithgow 3. Lord Irwin	Status : Answered Chosen Option : 2 ent Settlement was	

Q.5 Which of the following is NOT a function of money? Ans X 1. Medium of exchange X 2. Store of value 3. Unit of account 4. Price stability Question ID: 26433065424 Status: Answered Chosen Option: 2 Q.6 Which is the third layer of soil from the top? 1. Unweathered parent rock 2. Substratum X 3. Sub soil X 4. Top soil Question ID: 26433086759 Status: Not Answered Chosen Option: --Q.7 Dr Jitendra Singh (Union Minister of State (Independent Charge) Science and Technology) launched the Amrit Grand Challenge Programme titled September 2021, to identify 75 innovations in Telemedicine, AI, Digital Health and BIG Data by Start-ups and Entrepreneurs. 1. JANCARE Ans X 2. DHANCARE X 3. DHANTECH X 4. JANTECH Question ID: 26433081801 Status: Answered Chosen Option: 4 Q.8 Which of the following phylums represent triploblastic animals? 1. Platyhelminthes, Echinodermata and Chordata X 2. Protozoa, Platyhelminthes and Porifera X 3. Protozoa, Nematoda and Porifera X 4. Annelida, Platyhelminthes and Porifera Question ID: 26433054029 Status: Not Answered Chosen Option: --

Q.9 Which of the following organisations publishes the 'WORLD ECONOMIC OUTLOOK' report?

Ans

X 1. World Bank

X 2. Reserve Bank of India

X 3. Asian Development Bank

4. International Monetary Fund

Question ID: 264330100712 Status: Answered

Chosen Option: 4

Q.10 As of 10 April 2022, who among the following has been the longest serving Prime Minister of India?

Ans X 1. Manmohan Singh

2. Jawaharlal Nehru

X 3. Indira Gandhi

X 4. Narendra Modi

Question ID: 26433054540 Status: Answered Chosen Option: 2

Q.11 Probiotics can be defined as:

X 1. endotoxin producing bacteria, which can lead to diarrhoea

2. live microorganisms that are intended to have health benefits when consumed or applied to the body

X 3. protozoan parasites of humans

X 4. live microorganisms that pose a health threat when consumed or applied to the body

Question ID: 26433054037 Status: Answered Chosen Option: 2

Q.12 According to the Köppen type of climate, the code Af represents:

Ans X 1. marine west coast climate

2. tropical wet climate

X 3. humid subtropical climate

¥ 4. tropical monsoon climate

Question ID: 26433059144

Status: Answered

Q.13	In India, what type of unemployment is created due to lack of employment due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the created due to lack of employment is created at the cr	yable skills among		
Ans	1. Cyclical unemployment			
	X 2. Technological unemployment✓ 3. Educated unemployment			
	X 4. Structural unemployment			
		Question ID : 264330100024 Status : Answered Chosen Option : 3		
Q.14 Ans	When did the United Nations declare the World Physics Year, also k Einstein Year, to mark the 100th anniversary of the physicist Albert 1.2004	nown as the Einstein?		
	× 2. 2006			
	X 3. 2002			
	◆ 4. 2005			
		Question ID: 264330100045 Status: Not Answered Chosen Option:		
Q.15	The famous tribal revolt oftook place in 1906 in Assam	against British		
Ans	policies. 1. Tirot Sing			
	× 2. Kalicharan Brahma			
	X 3. Haipou Jadonang			
	✓ 4. Songram Sangma			
		Question ID : 26433085272		
		Status : Answered		
		Chosen Option : 4		
Q.16	According to the sport, identify which of the following sportsperson the rest.	s is different from		
Ans		RUUP		
	× 2. Kapil Dev			
	X 3. Rahul Dravid			
	× 4. Anil Kumble			
		Question ID : 264330100726 Status : Answered Chosen Option : 1		

Q.17 What is the mass number of nitrogen? Ans X 1.7 X 2. 10 X 3. 12 4. 14 Question ID: 264330100705 Status: Answered Chosen Option: 4 Q.18 In March 2022, who was sworn in as the Chief Minister of Punjab? Ans X 1. Amarinder Singh 2. Bhagwant Mann X 3. Navjot Singh Sidhu X 4. Parkash Singh Badal Question ID: 26433081820 Status: Answered Chosen Option: 2 Q.19 If one flies from north to south over India, which would be the correct order of the rivers? 1) Kaveri 2) Mahanadi 3) Krishna 4) Ganga 5) Godavari 1. 4-2-5-3-1 X 2. 1-2-3-4-5 X 3. 5-2-1-3-4 X 4. 1-3-5-2-4 Question ID: 26433092852 Status: Answered Chosen Option: 1 Q.20 Which cell organelle is tubular in form and lacks ribosomes and are associated with the production and metabolism of fats and steroid hormones? Ans X 1. Vacuoles X 2. Cytosol X 3. Lysosome 4. Smooth endoplasmic reticulum Question ID: 26433055122 Status: Not Answered Chosen Option: --

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A	Who among the following opened his dance school by the nar 1. Birju Maharaj	ne 'Kalashram'?
Ans	X 2. Sundar Prasad	
	X 3. Shambhu Maharaj	
	X 4. Mohanrao Kallianpurkar	
		Question ID : 26433072886
		Status : Not Answered
		Chosen Option :
	Which national park, located in a north-eastern state, is famou in India to have four big cat species namely panther, tiger, clo leopard?	
ns	X 1. Periyar National Park	
	X 2. Dachigam National Park	
	X 3. Nanda Devi National Park	
	4. Namdapha National Park	
		Question ID: 26433055131
		Status : Answered
		Chosen Option : 2
ıns	X 1. IDBI	itry?
Ans	X 1. IDBI X 2. IFCI X 3. SIDBI ✓ 4. NABARD	itry?
ins	X 2. IFCI X 3. SIDBI	Question ID : 26433064856
ins	X 2. IFCI X 3. SIDBI	Question ID : 26433064856 Status : Answered
Ans	X 2. IFCI X 3. SIDBI	Question ID : 26433064856
24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan?	Question ID : 26433064856 Status : Answered Chosen Option : 3
.24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018	Question ID : 26433064856 Status : Answered Chosen Option : 3
24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018 2. 2014	Question ID : 26433064856 Status : Answered Chosen Option : 3
.24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018 X 2. 2014 X 3. 2016	Question ID : 26433064856 Status : Answered Chosen Option : 3
24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018 2. 2014	Question ID : 26433064856 Status : Answered Chosen Option : 3
1.24	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018 X 2. 2014 X 3. 2016	Question ID : 26433064856 Status : Answered Chosen Option : 3 d Amjad Ali Khan nan and Amaan Ali
	X 2. IFCI X 3. SIDBI 4. NABARD In which of the following Nobel Peace Prize Concerts did Usta perform the 'Rage for Peace' along with his sons Ayaan Ali Ki Khan? X 1. 2018 X 2. 2014 X 3. 2016	Question ID : 26433064856 Status : Answered Chosen Option : 3

https://ssc.digialm.com/per/g27/pub/2207/touchstone/AssessmentQPHTMLMode1/2207O22254/2207O22254S9D26496/166876... Q.25 Which of the following is the main objective of Golden Quadrilateral Super Highways? ✓ 1. To reduce the time and distance between the mega cities 2. To link a state capital with the different district headquarters X 3. To link rural areas and villages to the cities 4. To connect the district headquarters with other places of the district Question ID: 264330100084 Status: Answered Chosen Option: 1 Q.26 Which of the following is a major component of bio-gas? Ans X 1. Propane 2. Methane X 3. Hexane X 4. Butane Question ID: 264330100701 Status: Answered Chosen Option: 2 Q.27 Who was the author of Buddhacharita? 1. Ashvaghosha Ans X 2. Vasumitra 💢 3. Nagarjuna X 4. Hala Question ID: 26433065575 Status: Answered Chosen Option: 1 Q.28 Which of the following is an example of a vector quantity? 1. Velocity Ans X 2. Volume X 3. Mass X 4. Temperature Question ID: 26433064405 Status: Answered Chosen Option: 1 Q.29 Who among the following leaders called Bal Gangadhar Tilak as 'the maker of modern India'?

Ans X 1. Jawaharla Nehru

X 2. Subhash Chandra Bose

🥓 3. Mahatma Gandhi

\chi 4. Lala Lajpat Rai

Question ID: 26433081955 Status: Answered

Q.30	Which of the following Ministries launched Y-Break App for working professionals in
	Sentember 2021?

Ans

1. Ministry of Tourism

2. Ministry of Health and Family welfare

3. Ministry of AYUSH

X 4. Ministry of Defence

Question ID : 26433082810 Status : Not Answered

Chosen Option: --

Q.31 In December 2021, what is the amount of overdraft for which the provision was made under the Deendayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM) for verified SHG members having accounts under the Prime Minister Jan Dhan Yojana with Banks?

Ans

× 1. ₹10,000

√ 2. ₹5,000

× 3. ₹2,000

× 4. ₹15,000

Question ID: 26433082835

Status : Answered

Chosen Option: 2

Q.32 Which port is known as 'Gateway of Eastern India'?

Ans

X 1. Paradip Port

X 2. Visakhapatnam Port

3. Kolkata Port

X 4. Port Blair Port

Question ID: 264330100073

Status : Answered

Chosen Option: 1

Q.33 Name the mirror which is used in the side mirrors of cars

Ans

X 1. Plane

X 2. Parabolic

X 3. Concave

4. Convex

Question ID: 26433064408

Status : Answered

Q.0 -	.34 The disqualification of the membership of a State Legislature is laid down in which		
Ans	Article of the Indian Constitution? 1. Article 190		
Ans			
	X 2. Article 14		
	X 4. Article 144		
		Question ID : 26433089975	
		Status : Answered	
		Chosen Option: 3	
Q.35	In which of the following decades was there a neg	gative growth rate of population in	
Ans	✓ 1. 1911-1921		
	X 2. 1951-1961		
	X 3. 1931-1941		
	X 4. 1971-1981		
	4. 197 1-1901		
		Question ID : 26433089249	
		Status : Answered	
		Chosen Option : 2	
Q.36	Deficiency of which vitamin can cause skin disord swelling of the mouth and throat, angular stomatit mouth) and hair loss?		
Ans	X 1. Vitamin A		
	× 2. Vitamin C		
	√ 3. Vitamin B2		
	3. Vitamin B24. Vitamin D		
		Question ID : 26433055113	
		Status : Answered	
Q.37		Status : Answered Chosen Option : 4	
Q.37 Ans	X 4. Vitamin D	Status : Answered Chosen Option : 4	
	★ 4. Vitamin D Love can best be expressed in which form of rasa	Status : Answered Chosen Option : 4	
	Love can best be expressed in which form of rasa	Status : Answered Chosen Option : 4	
	Love can best be expressed in which form of rasal 1. Shringaara rasa 2. Bibhatsa rasa	Status : Answered Chosen Option : 4	
	Love can best be expressed in which form of rasa 1. Shringaara rasa 2. Bibhatsa rasa 3. Veera rasa	Status : Answered Chosen Option : 4	
	Love can best be expressed in which form of rasa 1. Shringaara rasa 2. Bibhatsa rasa 3. Veera rasa	Status : Answered Chosen Option : 4 ? Question ID : 26433086569	
	Love can best be expressed in which form of rasa 1. Shringaara rasa 2. Bibhatsa rasa 3. Veera rasa	Status : Answered Chosen Option : 4	

Q.38 Which of the following is an example of an oscillatory motion?

Ans X 1. Moving of a bus in a circular path

2. Moving of an object in a straight line

3. To and fro motion of a simple pendulum

X 4. Dropping of an object from a height

Question ID: 264330100743 Status: Answered

Chosen Option: 3

Q.39 Based on evidence from seismic waves, heat flows and meteorites, which layer of Earth is made up of rock that represents 84% of the Earth's total volume?

Ans X 1. Outer core

2. Oceanic crust

X 3. Inner core

4. Mantle

Question ID: 26433055825 Status: Answered

Chosen Option: 4

Q.40 In March 2022, who broke the legendary Kapil Dev's, 40-year-old record of 'the fastest Test Fifty' by an Indian?

Ans X 1. MS Dhoni

X 2. Shreyas Iyer

3. Rishabh Pant

X 4. R Ashwin

Question ID: 26433055053

Status: Answered

Chosen Option: 3

Q.41 Operation Flood is associated with:

X 1. pulses

🥒 2. milk

X 3. fish

X 4. potatoes

Question ID: 26433054810

Status: Answered

Q.42 The Halda festival is celebrated in which of the following states of India?

Ans X 1. Maharashtra

X 2. Karnataka

X 3. Meghalaya

4. Himachal Pradesh

Question ID: 26433064333 Status: Answered

Chosen Option: 4

Q.43 Which of the following laws works in constant pressure?

Ans X 1. Graham's law

X 2. Boyle's law

3. Charle's law

X 4. Thomson's law

Question ID: 26433064134 Status: Answered

Chosen Option: 2

Q.44 Consider the following statements about the retreating monsoon of India.

- 1) The months of October and November are known for retreating monsoons.
- The South-west monsoons becomes South-east monsoons.
- 3) A bulk of the rainfall of the Coromondal coast is derived from these depressions and cyclones.
- 4) In northern India, it is comparatively dry and temperatures begin to fall.
- 5) Three-fourths of the total rain in the country is received during the retreating monsoon season.

Which of the above are true?

1. Only statements 1, 2 and 3

X 2. Only statements 2, 3 and 4

3. Only statements 1, 3 and 4

X 4. All except 5

Question ID: 26433055313

Status: Answered

Chosen Option: 4

Q.45 Which article of the Constitution of India guarantees equality of opportunity for all citizens in matters relating to employment and appointment to any office under the state?

Ans

X 1. Article 19

2. Article 16

X 3. Article 18

X 4. Article 17

Question ID: 26433089266

Status: Answered

	https://ssc.digialm.com/per/g27/pub/2207/touchstone/AssessmentQPHTMLMode1/2207O22254/2207O22254S9D26496/1668		
Q.46 Ans	 Which protein is naturally found in some grains including wheat J. Gluten 	t, barley and rye?	
Alls	× 2. Maltase		
	X 3. Renin		
	X 4. Pepsin		
		Question ID : 26433054051	
		Status : Not Answered	
		Chosen Option :	
Q.47	Which team became the first Indian sports team to unveil an off	icial team logo in the	
	metaverse in February 2022?	_	
Ans	11= 8		
	X 2. Chennai Super Kings		
	X 3. Delhi Capitals		
	✓ 4. Gujarat Titans		
		Question ID : 26433081837	
		Status : Answered	
		Chosen Option: 2	
Q.48	Which is the only streptococcal species widely used in food feri for yogurt manufacturing?	mentation, especially	
Ans			
	2. Streptococcus pyogenes		
	🔀 3. Streptococcus agalactiae		
	✓ 4. Streptococcus thermophilus		
		Question ID : 26433055810	
		Status : Not Answered Chosen Option :	
		Siloson opaion.	
Q.49	Which of the following is NOT a herbivore?		
	× 4 01		
Ans	X 1. Sheep	24 D A H D	
Ans	↑ 1. Sneep ✓ 2. Hawk	GROUP	

X 4. Rabbit

Question ID: 264330100710 Status : **Answered**

Q.50 In which year was the last Fundamental Duty inserted in the list of duties in the Constitution?

X 1. 2001

X 2. 2004

X 3. 2003

4. 2002

Question ID: 26433071652 Status: Answered

Chosen Option: 4

Section: Part B General Engineering Electrical

Q.1 A machine working with DC and its construction, similar to AC synchronous machine,

Ans X 1. conventional DC motor

2. brushless DC motor

X 3. induction motor

X 4. commutator motor

Question ID: 26433096693 Status: Answered

Chosen Option: 4

Q.2 Which of the following statements is NOT true about a series LC circuit?

X 1. It consumes some energy because of the non zero resistance of the components as connecting wires.

2. The total voltage across the terminals is equal to the difference between the voltage across the capacitor and voltage across inductor.

X 3. It consumes no energy in the ideal form

X 4. It is also known as a tank circuit

Question ID: 26433095560

Status: Answered

Chosen Option: 4

Q.3 The logical method of estimating for electrical works does NOT involve which of the following processes?

1. Average costing of accessories

2. Price items at net cost

3. Ascertain the quantities involved accurately

X 4. Provide overhead charges

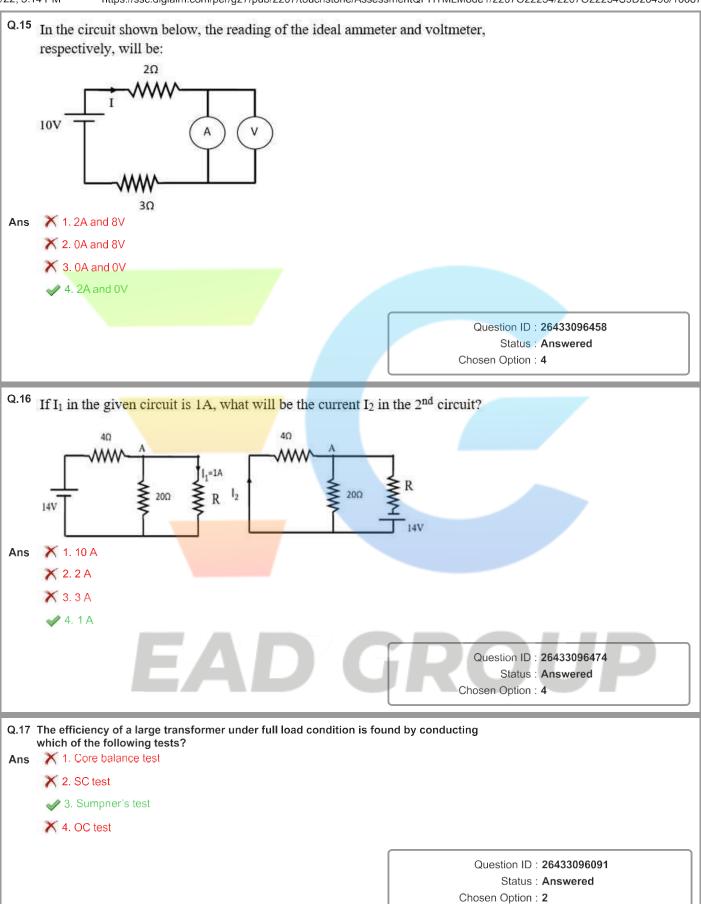
Question ID: 26433099548

Status: Not Answered

Q.4	4 The magnetisation branch of an equivalent circuit of a transformer is drawn in with supply voltage.		
Ans			
	× 2. series only		
	★ 3. both series and parallel		
	X 4. Neither series nor parallel		
		Question ID : 26433096696	
		Status : Answered	
		Chosen Option : 1	
0.5	if the voltage across a 5μF capacitor is V(t) = 40 Cos(6000t) vo	alt then the current	
	through it is:	on, then the current	
Ans			
	✓ 21.2 sin(6000t) amp		
	X 3. 1.2 cos(6000t) amp		
	X 4. 1.2 sin(6000t) amp		
		Question ID : 26433096388	
		Status : Answered	
		Chosen Option : 2	
	A hydroelectric gene <mark>rating station is supplied</mark> from a reservoid 5000000 cubic metres at a head of 200 metres and total energy kWh and water density = 997 kg/m³. Find out overall efficiency	available of 2.044×106	
Ans	× 1. 50%		
	× 2. 100%		
	√ 3. 75%		
	× 4. 25%		
		Question ID: 26433096616	
		Status : Not Answered Chosen Option :	
	$ \Delta IJ$	Cheschi option .	
Q.7	Demand factor is taken as a		
Ans			
	X 2. current independent quantity		
	X 3. current dependent quantity		
	X 4. time dependent quantity		
		Question ID : 26433099561	
		Status : Answered	
		Chosen Option : 1	

 1. single value capacitor run motor 2. two value capacitor run motor 3. repulsion motor 4. shaded pole single phase motor 	Question ID : 26433099626 Status : Answered
3. repulsion motor	
4. Shaded pole single phase motor	
	Status : Answered
	Chosen Option : 2
ircuit has an inductance of 20H. If the current in the ci	rcuit changes at the rate of
V 4. + IIIV	
	Question ID : 26433096390
	Status : Answered
	Chosen Option : 2
2. voltage generated per day 3. units generated per day	
4. frequency generated per day	
	Question ID : 26433096606
	Status : Answered
	Chosen Option: 3
	A/sec, then self-induced EMF is 1. 100 V 2. 1 V 3. 1000 V 4. 1 mV area under daily integrated load duration curve is equal to the curve is equ

	2 For a germanium diode having a forward current of 10mA and 30ns as charge carrier transit time, the diffusion capacitance is	
lns		
	★ 2. 2 nF	
	√ 3.1 nF	
	X 4. 10 ⁵ F	
		Question ID: 26433096052
		Status : Answered
	Cho	sen Option : 2
.13	3 The diffusion capacitance for a silicon diode with 20mA forward current, if the charge))
	carrier transit time is 70 ns, is	
lns	112.0	
	★ 2.1 nF	
	✓ 3. 2 nF	
	X 4. 2 mF	
		Question ID : 26433096049
	Che	Status : Answered sen Option : 3
	One	Self Option . 3
	4 Consider the following statements about characteristics of reluctance motor and select the suitable combination of correct choices. a.Reluctance motors cannot accelerate high inertia loads to the synchronous speed b.Reluctance motors can accelerate high inertia loads to the synchronous speed. c.Reluctance motors are cheaper than any other kind of synchronous machines. d.Reluctance motors have constant speed characteristics.	
ns	s 💚 1. a, c and d are correct	
	X 2. b, c and d are correct	
	X 3. a, b and d are correct	
	X 4. a, b and c are correct	
		Question ID : 26433096569 Status : Answered sen Option : 1



Q.18 Which of the following statements is INCORRECT?

- √ 1. While designing a distributor, voltage drop is not considered.
- 2. Tapings are taken from the distributors for supply of consumers.
- X 3. Voltage drop is the main consideration in design of distributors.
- X 4. Service mains connect consumers to the distributor directly.

Question ID: 26433099243 Status: Answered

Chosen Option: 1

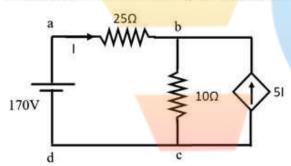
Q.19 Which of the following statements is INCORRECT?

- 1. Future extension is easy for outdoor substation.
- X 2. Outdoor substation requires more space as compared to indoor substation.
- 3. The cost of outdoor substation is higher than indoor substation.
- X 4. Outdoor substation requires less time for erection.

Question ID: 26433099240 Status: Not Answered

Chosen Option: --

Q.20 In the circuit shown below, the current I is:



Ans

X 2. 12A

X 3. -2A

X 4. 10A

Question ID: 26433096477 Status: Answered

Chosen Option: 1

Q.21 The resistivity of a wire depends on:

Ans X 1. only the radius of the wire

X 2. both the length and area of the cross-section of the wire

X 3. only the length of the wire

4. the nature of the material of the wire

Question ID: 26433096404

Status: Answered

Q.22	A 4400-watt	electric heater	has a	resistance	of 11Ω.	What w	ill be th	ne maxim	um
	permissible	current?							

X 1.40 amp

X 2.400 amp

3. 20 amp

X 4. 200 amp

Question ID: 26433096394 Status: Answered

Chosen Option: 3

Q.23 Which of the following statements about armature reaction of alternator is NOT

Ans X 1. It depends on both load current and power factor

X 2. When the generator is loaded, the armature carries the current; the armature current sets up its own magnetic field.

3. It increases the generated voltage and sparking at brushes reduces

X 4. It reduces the generated voltage by distorting the main flux and it causes sparking at the brushes.

Question ID: 26433096558

Status: Answered

Chosen Option: 3

Q.24 A coil having pure inductance of 0.2 H is connected in series with a 60µFcapacitor.The voltage across the circuit is 230V, 50Hz. The active power consumed by the circuit is:

Ans

1. 0 watts

X 2. 10 watts

X 3. 100 watts

X 4. 460 watts

Question ID: 26433095559

Status: Answered

Chosen Option: 1

Q.25 The effective resistance of a 2200 V, 50 Hz, 440 KVA, single-phase alternator is 0.5 Ω . On short circuit, a field current of 40 A gives the full load current of 200 A. The electromotive force on open circuit with same field excitation is 1160 V. Calculate the synchronous impedance.

Ans

Χ 1.4.8 Ω

2. 5.8 Ω

Χ 3. 2.8 Ω

Χ 4. 3.8 Ω

Question ID: 26433096560

Status: Answered

Q.26	For n-JFET, the channel is a/an	_ channel and gates are	
Ans	X 1. N type; N type		
	2. P type; N type		
	X 3. P type; P type		
	✓ 4. N type; P type		
			Question ID : 26433096069 Status : Answered
			Chosen Option : 4
Q.27	An overall power generation economics is E= a+bKW	/+ckWH. where c is	
Ans	X 1. waste charge		
	X 2. constant charge		
	★ 3. fixed charge		
	4. running charge		
			Question ID : 26433096592
			Status : Answered Chosen Option : 4
	The susceptibility of which of the following magnetic	materials is negative?	
Ans	X 1. Ferromagnetic materials		
	X 2. Paramagnetic materials		
	3. Diamagnetic materials		
	X 4. Paramagnetic and ferromagnetic materials		
			Ougation ID : 26422006979
			Question ID: 26433096878 Status: Answered
			Chosen Option : 3
0.20	If 5A current flows through a circuit for 5 minutes, the	on calculate the tota	
Ans	× 1.300 C	en calculate the tota	
	✓ 2. 1500 C		
	X 3. 100 C		
	X 4. 25 C		
	4.200		
			Question ID : 26433096430
			Status : Answered
			Chosen Option : 2

Q.30 How many pressure coils and current coils, respectively, are present in a three-phase dynamometer wattmeter?

- 1. There is no pressure coil and no current coil
- 2. There are two pressure coils and two current coils
- X 3. There is one pressure coil and one current coil
- X 4. There are three pressure coils and three current coils

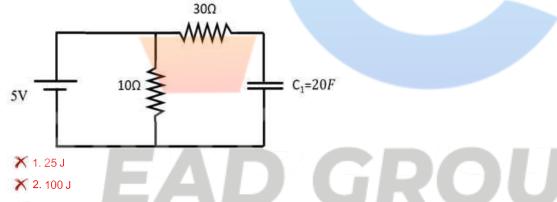
Question ID: 26433098184 Status: Answered Chosen Option: 2

- Q.31 Which of the following statements are true?
 - a) The electric power from 11 kV lines is delivered to distribution sub-station.
 - b) Distribution sub-stations are located near consumers localities.
 - c) Distribution sub-stations step down the voltage to 400 V(L-L).

- Ans X 1. (a) and (c) only
 - X 2. (b) and (c) only
 - X 3. (a) and (b) only
 - 4. (a), (b) and (c)

Question ID: 26433099242 Status: Answered Chosen Option: 1

The energy stored in the capacitor C₁ under steady state condition is:



Ans X 1. 25 J

X 2. 100 J

🥒 3. 250 J

X 4. 350 J

Question ID: 26433096386

Status: Answered

Q.33 Which of the following is the unit of reluctance?

Ans X 1. Henry/ampere-meter

2. Ampere – turn/weber

X 3. Weber/meter

X 4. Ohm – meter/ampere

Question ID: 26433096846 Status: Answered Chosen Option: 2

Q.34 The unit of magnetic flux in terms of lines of force is ______.

Ans \times 1. 1 wb = 10^{-6} lines of force

 \times 2. 1 wb = 10^6 lines of force

 \times 3. 1 wb = 10⁻⁸ lines of force

 \checkmark 4. 1 wb = 10^8 lines of force

Question ID: 26433096840 Status: Not Answered

Chosen Option: --

Q.35 In an electric circuit, a 10V voltage source is connected in series with a 2Ω resistance the dual of this circuit consists of:

Ans \times 1. 5A current source and a 2 Ω resistance

2. 10A current source and a 2S conductance

X 3. 5A current source and a 2S conductance

¥ 4. 10V voltage source and a 2S conductance

Question ID: 26433096459 Status: Answered

Chosen Option: 1

Q.36 Starting torque in 1-ph IM is zero as _

Ans X 1. Tf and Tb are numerically equal and in same direction

X 2. Tf and Tb are numerically unequal and in same direction

X 3. Tf and Tb are numerically unequal and oppositely directed

4. Tf and Tb are numerically equal and oppositely directed

Question ID: 26433098255 Status: Answered

Chosen Option: 4

Q.37 Which of the following statements is WRONG with respect to magnetic circuits?

1. The flux in magnetic circuits is analogous to the current in electric circuits

X 2. The reluctance in magnetic circuits is analogous to the resistance in electric circuits.

3. The reluctance causes the waste of energy

4. The reluctance of a magnetic circuit depends on the material used in it.

Question ID: 264330100953 Status: Answered

Q.38 The toroid is _

Ans X 1. a circular carrying conductor

X 2. a long straight current carrying conductor bent to form circular shape

X 3. a bar magnet

4. a solenoid bent in circular shape and ends are joined

Question ID: 26433096920 Status: Answered

Chosen Option: 2

If I_f is the full load current/phase and %X_s is the percentage synchronous reactance, maximum power output of an alternator is:

Ans

X 1.
$$P_{max} = \frac{\%X_SI_f \times 100}{E}$$

$$\checkmark$$
 2. $P_{\text{max}} = \frac{EI_f \times 100}{\%X_S}$

$$\times$$
 3. $P_{\text{max}} = \frac{I_{\text{f}} \times 100}{EX_{\text{S}}}$

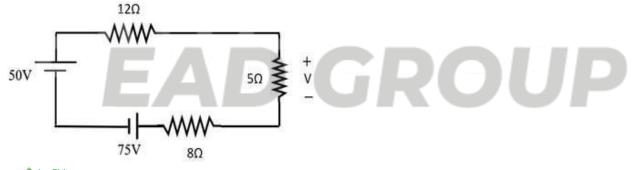
$$\times$$
 4. $P_{\text{max}} = \frac{\%X_{\text{S}} \times 100}{EI_{\text{f}}}$

Question ID: 26433096659

Status: Answered

Chosen Option: 2

The voltage across a 5Ω resistor is:



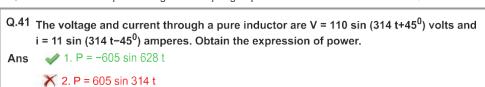
X 2. 25V

X 3. 10V

X 4.5V

Question ID: 26433096442

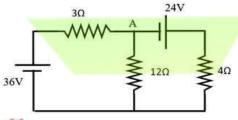
Status: Answered



Question ID: 26433096122 Status: Answered

Chosen Option: 4

Q.42 In the circuit shown in the figure, find the current flowing through the 12Ω resistor.



X 3. P = -605 sin 314 t X 4. P = 605 sin 628 t

Ans X 1. 0.25A

4. 0.75A

Question ID: 26433096437 Status: Answered

Chosen Option: 2

Q.43 The active and lagging reactive components of current taken by an AC circuit from a 200 V supply are 40A and 30A, respectively. What is the value of admittance of the

Ans X 1.0.31 S

2. 0.25 S

X 3.0.52 S

X 4. 0.13 S

Question ID: 26433095553 Status: Answered

Chosen Option: 2

Q.44 Which of the following statements regarding the absorption factor in lighting purposes

Ans X 1. It is defined as the ratio of the candle power before and after absorption of light

2. It is defined as the ratio of total lumens available after absorption to the total lumens emitted by the source of light.

X 3. It is defined as the ratio of the change in the brightness after the light has been absorbed by the surface.

X 4. It is defined as the ratio of utilisation factor to the depreciation factor

Question ID: 26433098118

Status: Answered

	Feeders are mainly designed from the point of view of	
Ans	1. number of tapings from it	
	X 2. frequency of the system	
	X 3. voltage drops in it	
		Question ID : 26433099245
		Status : Answered
		Chosen Option : 3
Ω 46	Which of the following concepts is applied in instruments of the ele	ectrodynamometer
٠٠	type?	,
Ans	X 1. Magnitude effect	
	X 2. The force between a permanent magnet and a current carrying	coil
	X 3. The force between two permanent magnets	
	✓ 4. The force between two current carrying coils	
		Question ID : 26433096492
		Status : Answered Chosen Option : 4
		Chosen Option . 4
Q.47	Which of the following statements about voltage regulation of an a	
	correct?	alternator is NOT
Ans		
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected by 	the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected by regulation. 	the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected by 	the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected. 	the voltage ected considerably by d by the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 	the voltage ected considerably by d by the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 4. Voltage regulation determines the type of automatic voltage-conditions. 	the voltage ected considerably by d by the voltage
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 4. Voltage regulation determines the type of automatic voltage-conditions. 	the voltage ected considerably by d by the voltage trol equipment to be
Ans	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 4. Voltage regulation determines the type of automatic voltage-conditions. 	the voltage ected considerably by d by the voltage trol equipment to be Question ID: 26433096547
	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 4. Voltage regulation determines the type of automatic voltage-condused. 	the voltage ected considerably by d by the voltage trol equipment to be Question ID : 26433096547 Status : Answered
	 1. Steady state short-circuit conditions and stability are affected by regulation. 2. Parallel operation of one alternator, with other alternators, is affected its voltage regulation. 3. Steady state short-circuit conditions and stability are not affected regulation. 4. Voltage regulation determines the type of automatic voltage-condused. 	the voltage ected considerably by d by the voltage trol equipment to be Question ID : 26433096547 Status : Answered

X 2. carbon dioxide

X 3. calcium oxide

4. silicon dioxide

Question ID : 26433096073 Status : Answered

Q.49 Ans	Damper windings are used in synchronous generator to: 1. carry leakage current	
Alla	× 2. carry magnetic flux	
	X 3. provide starting torque	
		2
	4. maintain balanced 3-phase voltage under unbalanced conditio	11
		Question ID : 26433096557
		Status : Answered
		Chosen Option : 4
O 50	Earthing is required to protect apparatus, equipment, machines etc	c from
Ans	1. leakage impedance	
	× 2. excess voltage	
	✓ 3. leakage current	
	X 4. excess current	
	4. GACGSS CUITCHE	
		Question ID: 26433099279
		Status : Answered
		Chosen Option : 3
Q 51	The ratio of the R <mark>MS value to the average value</mark> of an AC is known	as:
Ans	✓ 1. form factor	us.
	X 2. crest factor	
	X 3. peak factor	
	X 4. amplitude factor	
	4. amplitude factor	
		Question ID : 26433095580
		Status : Answered
		Chosen Option : 1
Q.52	The ripple factor for a half-wave rectifier without filter is	
Ans	X 1. 40.6	
	× 2.81.2	PALID
	X 3. 0.482	iROUP
	✓ 4. 1.21	NOOF
	*	
		Question ID : 26433096056
		Status : Answered
		Chosen Option : 4
Q.53	A tender is usually accompanied with an amount called	
Ans	X 1. tender money	
	X 2. delivery money	
	X 3. purchase money	
	✓ 4. earnest money	
	<u> </u>	
		Question ID : 26433099276
		Status : Answered
		Chosen Option : 4

Q.54	The Sun is the	source of energy	
Ans	X 1. third		
	2. primary		
	X 3. secondary		
	X 4. fourth		
			Question ID : 26433096623
			Status : Answered
			Chosen Option : 2
Q.55		otal flux of 1000 lumens and takes a cu	urrent of 0.5 A. The MSCP
Ans	per watt of the lamp 1. 1.38	is:	
	2 . 0.69		
	X 3. 0.138		
	× 4. 6.9		
			Question ID : 26433098124
			Status : Answered
	_		Chosen Option : 4
Q.56		ng statements is NOT true about band	width in an RLC paralle
Ans	circuit?	n be given in terms of resonant frequency	and quality factor
Alla		defined as the size of frequency range that	
	tuned circuit.	defined as the size of frequency range tha	it is passed of rejected by the
	3. Bandwidth is	the ratio of quality factor to the resonant f	requency
	X 4. Formula for ca	lculating bandwidth is the same for series	s and parallel circuit.
			Question ID : 26433095550
			Status : Answered
			Chosen Option . 3
Q.57		ation level for a workshop area where	Chosen Option : 3 detailed or fine work is
Ans	done is in the range 1. 500-700 lux	of:	(
VIIS	× 2. 200-300 lux		URUUF
	2. 200-300 lux		

X 3. more than 1000 lux

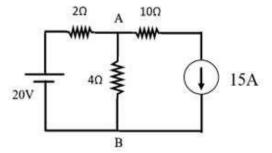
X 4. 800-1000 lux

Question ID: 26433098125

Status: Answered

Α	Which of the following methods can result in a square waveform? 1. Hartley oscillator	
Ans	100	
	2. Multivibrators	
	★ 3. Wien bridge oscillators	
	X 4. T-oscillator	
		Question ID : 26433096503
		Status : Answered
		Chosen Option: 2
Q.59	The insulating oil used in transformers is obtained by fractiona I	listillation of
Ans	X 1. animal oil	
	X 2. vegetable oil	
	✓ 3. crude petroleum	
	X 4. both animal oil and vegetable oil	
	4. both animal on and vegetable on	
		Question ID : 26433096102
		Status : Not Answered
		Chosen Option :
	2. intending contractors only3. agents of intending contractors only	
	 2. intending contractors only 3. agents of intending contractors only 4. either agents or contractors 	Question ID : 26433099543 Status : Answered
	X 3. agents of intending contractors only	Question ID : 26433099543 Status : Answered Chosen Option : 2
Q.61	Consider the following statements about features of a hysteresis suitable combination of correct choices. a.lts hysteresis torque remains practically constant from locked speed. b.Hysteresis motor is able to accelerate at any load. c.lt operates quietly and does not suffer from magnetic pulsation d.Hysteresis motor is subject to mechanical vibrations.	Status : Answered Chosen Option : 2 motor and select the rotor to synchronous
	Consider the following statements about features of a hysteresis suitable combination of correct choices. a.lts hysteresis torque remains practically constant from locked speed. b.Hysteresis motor is able to accelerate at any load. c.lt operates quietly and does not suffer from magnetic pulsation d.Hysteresis motor is subject to mechanical vibrations. 1. Only d is correct	Status : Answered Chosen Option : 2 motor and select the rotor to synchronous
	 X 3. agents of intending contractors only ✓ 4. either agents or contractors Consider the following statements about features of a hysteresis suitable combination of correct choices. a.lts hysteresis torque remains practically constant from locked speed. b.Hysteresis motor is able to accelerate at any load. c.lt operates quietly and does not suffer from magnetic pulsation d.Hysteresis motor is subject to mechanical vibrations. X 1. Only d is correct X 2. Only b is correct 	Status : Answered Chosen Option : 2 motor and select the rotor to synchronous

 $^{Q.62}$ The current in the 4Ω resistor in the figure shown below is:



- X 1. zero
- \checkmark 2. $\frac{5}{3}$ A and flowing from B to A
- \times 3. $\frac{-20}{3}$ A and flowing from A to B
- \times 4. $\frac{5}{3}$ A and flowing from A to B

Question ID: 26433096441

Status: Answered

Chosen Option: 2

Q.63 The phosphor material containing cadmium borate used in fluorescent lamps gives which of the following colour?

Ans

- X 1. Green
- X 2. Bluish white
- 3. Pink
- X 4. Yellowish white

Question ID: 26433098196

Status: Answered

Chosen Option: 2

Q.64 In a series RLC circuit, R=4 Ω , L=4 mH and C= 20 μ F.What is the value of Q-factor?

- Ans X 1.7.07
 - × 2. 0.0707
 - **3**. 3.535
 - **X** 4. 0.0176

Question ID: 26433095570

Status: Answered

	What frequency does the sinusoidal signal have that occup and three vertical divisions on a CRO for a full cycle if the t division?	time base is set to 1 ms per
Ans		
	× 2. 100Hz	
	✓ 3. 200Hz	
	X 4. 250Hz	
		Question ID: 26433096498
		Status : Answered
		Chosen Option : 4
Q.66	Under phantom loading testing of an energy meter, the po	wer required to test is
Δns	X 1.1	
Allo	✓ 2. very low	
	X 3. very high	
	× 4. infinite	
	4. Infinite	
		Question ID : 26433096906
		Status : Answered
Q.67	Which of the following statements is/are FALSE with regard transformers? (i) Power transfer capability is more. (ii) The decrease we high	Chosen Option : 2
	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii)	Chosen Option : 2
Q.67	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i)	Chosen Option : 2
	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii)	Chosen Option : 2 d to shell type at maintenance is not easy Question ID : 26433096103
	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii)	chosen Option : 2 d to shell type at maintenance is not easy
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii)	Chosen Option: 2 d to shell type at maintenance is not easy Question ID: 26433096103 Status: Answered Chosen Option: 1
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii) 4. Only (iii) The load curve is the curve showing the on the ptime.	Chosen Option: 2 d to shell type at maintenance is not easy Question ID: 26433096103 Status: Answered Chosen Option: 1
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii) 4. Only (iii) The load curve is the curve showing the on the ptime. 1. variation of load	Chosen Option: 2 d to shell type at maintenance is not easy Question ID: 26433096103 Status: Answered Chosen Option: 1
Ans 2.68	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii) 4. Only (iii) The load curve is the curve showing the on the ptime. 1. variation of load 2. constant load	Chosen Option : 2 d to shell type at maintenance is not easy Question ID : 26433096103 Status : Answered Chosen Option : 1
A ns	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. **\times 1. (i) and (iii) **\times 2. Only (i) **\times 3. (i) and (ii) **\times 4. Only (iii) The load curve is the curve showing the on the ptime. **\times 1. variation of load **\times 2. constant load **\times 3. huge load	Chosen Option : 2 d to shell type at maintenance is not easy Question ID : 26433096103 Status : Answered Chosen Option : 1
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. 1. (i) and (iii) 2. Only (i) 3. (i) and (ii) 4. Only (iii) The load curve is the curve showing the on the ptime. 1. variation of load 2. constant load	Chosen Option: 2 d to shell type at maintenance is not easy Question ID: 26433096103 Status: Answered Chosen Option: 1
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. **\times 1. (i) and (iii) **\times 2. Only (i) **\times 3. (i) and (ii) **\times 4. Only (iii) The load curve is the curve showing the on the ptime. **\times 1. variation of load **\times 2. constant load **\times 3. huge load	Chosen Option: 2 d to shell type at maintenance is not easy Question ID: 26433096103 Status: Answered Chosen Option: 1
Ans	transformers? (i) Power transfer capability is more. (ii) The main disadvantage of shell type transformers is that (iii) The losses are high. **\times 1. (i) and (iii) **\times 2. Only (i) **\times 3. (i) and (ii) **\times 4. Only (iii) The load curve is the curve showing the on the ptime. **\times 1. variation of load **\times 2. constant load **\times 3. huge load	Chosen Option : 2 d to shell type at maintenance is not easy Question ID : 26433096103 Status : Answered Chosen Option : 1

Q.69 The tripping of circuit due to earthing in case of faults saves wastage of electrical energy due to ______.

Ans

1. drawing of excess current

X 2. supply of excess current

X 3. supply frequency

X 4. supply of excess voltage

Question ID : 26433099280 Status : Answered

Chosen Option: 1

Q.70 When a rated load with 0.8 lagging power factor is supplied, the terminal voltage of a three phase star connected alternator with a certain interference is 6600 V (line-to-line value). With the same interference, the voltage developed in the open circuit is 7154 V (phase value). What will be the value of voltage regulation of the alternator?

Ans

X 1. 46.7%

× 2. -46.7%

× 3. 14.54%

4. 87.8%

Question ID: 26433096548

Status : Answered

Chosen Option: 3

Q.71 Which of the following statements does NOT come under the advantages of stationary armature in an alternator?

Ans

√ 1. The stator weight is less compared to rotor weight

2. Sparking at brushes is completely avoided.

X 3. It needs only two slip rings on DC side

X 4. It is easy to insulate sliprings which are on DC

Question ID : 26433096555

Status: Answered

Chosen Option: 1

Q.72 Which of the following statements are correct with respect to the line support used in transmission and distribution lines?

a. Must have high mechanical strength.

b. Should have longer life.

c. Should be light in weight without the loss of mechanical strength

Ans

1. (a), (b) and (c)

2. (b) and (c) only

X 3. (a) and (b) only

X 4. (a) and (c) only

Question ID: 26433099262

Status : Answered

Q.73 Which of the following options is true with respect to extending the range of a wattmeter using instrument transformers?

1. The primary winding of potential transformer is connected in series with the load

X 2. The primary winding of current transformer is connected in parallel with the load.

X 3. The secondary winding of potential transformer is connected in series with the pressure coil of wattmeter and voltmeter.

4. The secondary winding of current transformer is connected in series with the current coil of wattmeter and ammeter.

> Question ID: 26433096902 Status: Answered

Chosen Option: 3

Q.74 A short transmission line has impedance value of 20 Ω. The values of A, B, C and D parameters of the short transmission line are

1. 1, 20, 0, 1

× 2. 20, 1, 0, 20

 \times 3. 1, $\frac{1}{20}$, 0, 1

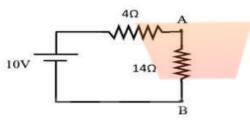
× 4. 1, 1, 1, 1

Question ID: 26433099228

Status: Answered

Chosen Option: 1

 $^{Q.75}$ The Norton's equivalent current (I_N) between A and B for the circuit is:



Ans X 1.1A

Question ID: 26433096464

Status: Answered

Q.76 In the figure shown below, if the current I decreases at a rate of β , then $V_P - V_Q$ is:



Ans

- X 1. O V
- \times 2. L× $\frac{di}{dt}$ × β
- **√** 3. −L β
- \times 4. + L β

Question ID: 26433096400 Status: Answered

Chosen Option: 3

Q.77 Before taking work in hand, even the contractor following good management practices may be unaware of _

- Ans X 1. analysis of costs
 - X 2. specifications
 - X 3. availability of products
 - 4. contingencies

Question ID: 26433099549

Status: Answered

Chosen Option: 4

Q.78 Extra high-tension cables are used for the voltage level of

Ans

- 1. 33 kV to 66 kV
- X 2. 0 to 1kV
- X 3. beyond 400 kV
- X 4. 132 kV to 400 kV

Question ID: 26433099251

Status: Answered

Chosen Option: 3

Q.79 The electric potential at point A is 60 V and at B is - 90 V. Find the work done by an external force and electrostatic force, respectively, in moving an electron slowly from B to A.

Ans

$$\checkmark$$
 1. $-240 \times 10^{-19} \, \text{J}$ and $240 \times 10^{-19} \, \text{J}$

$$\times$$
 2. Zero and 240 \times 10⁻¹⁹J

$$\times$$
 3. 240 \times 10⁻¹⁹ J and 240 \times 10⁻¹⁹ J

$$\times$$
 4. 240 \times 10⁻¹⁹J and zero

Question ID: 26433098273

Status: Answered

11/23/22, 3:14 PM

Q.80 A 120 Ω resistor is in parallel with a capacitor with a capacitive reactance of 40 Ω .Both components are across a 20 V AC source.What is the magnitude of the total current through the circuit?

Ans



$$\checkmark$$
 2. $\sqrt{\frac{5}{18}}$ A

$$\times$$
 3. $\sqrt{\frac{1}{40}}$ A

$$\times$$
 4. $\sqrt{\frac{1}{120}}$ A

Question ID: 26433095548

Status: Answered

Chosen Option: 2

Q.81 The boiler generates steam at

Ans

X 1. high pressure and low temperature

X 2. low pressure and low temperature

3. high pressure and high temperature

X 4. low pressure and high temperature

Question ID: 26433096632

Status: Answered

Chosen Option: 4

Q.82 A 2200/1100 V, 50 Hz single-phase transformer having a negligible winding resistance operates from a variable voltage, variable frequency supply such that V/f is constant. Which of the following options is correct about the range of frequencies?

Ans

- 1. hysteresis loss vary and constant eddy current loss
 - X 2. no variation either in eddy current or hysteresis loss
 - X 3. eddy current loss vary and constant hysteresis loss
 - 4. both hysteresis loss and eddy current loss varies



Question ID : 26433096695 Status : Answered

Status : Allswei

Chosen Option: 4

Q.83 What is the voltage range generally used in medium transmission lines?

An

- X 1. 400 kV to 700 kV
 - 2. 20 kV to 100 kV
- X 3. 200 kV to 400 kV
- X 4. More than 700 kV

Question ID: 26433099229

Status : **Answered**

	1. radius of the conductor	
	X 2. square of the magnetic flux density	
	X 3. cross-sectional area	
	4. absolute permeability	
		Question ID : 26433096857
		Status : Answered
		Chosen Option: 3
.85	Which of the following statements about film lighting is FALSE?	
ns	💢 1. Hydrargyrum Medium Arc Iodide (HMI) are flicker-free lights	
	X 2. A tungsten light has the maximum Colour Rendering Index used	in film lighting.
	X 3. A tungsten light does not make use of mercury vapour lights as i	n fluorescent lamps.
	4. The colour temperature of fluorescent lamps is lower than that of	f incandescent
	lamps.	
		Question ID: 26433098172
		Status : Not Answered
		Chosen Option :
88	JFET is a/andevice.	
เกร	X 1. antipolar	
	× 2. bipolar	
	X 3. tripolar	
	✓ 4. unipolar	
	. unipolul	
		Question ID : 26433096067
		Status : Answered
		Chosen Option : 4
97	What are the other systems, outside the driving and registering sys	etem of the single
	phase energy meter, make up the fundamental components of cons	
ns	1. Magnetic Flux System, Shunt System	'DOLID
	2. Moving System, Braking System	iROUP
	X 3. Series System, Braking System	
	X 4. Moving System, Parallel System	
		Question ID: 26433096494
		Status : Answered
		Chosen Option: 2

Q.88 Ans	The load factor is defined as the 1. maximum load divided by the peak load in a specified time period	nd
Ans		
	X 2. maximum load divided by the average load in a specified time p	
	3. average load divided by the peak load in a particular time period	
	X 4. average load divided by the average load in a specified time per	riod
		Question ID : 26433096595
		Status : Answered
		Chosen Option: 3
	Angle reflectors are used to provide illumination in a vertical plane, used are of the	where reflectors
Ans	X 1. standard type	
	X 2. enclosed type	
	★ 3. diffusing type	
	✓ 4. concentrating type	
		Question ID: 26433099283
		Queenier 12 : 20 10000200
		Status : Not Answered
,	A 2 kVA, 200/100 V <mark>, 400 Hz transformer is desi</mark> red to be used at a fr What will be the voltage rating of the transformer at reduced freque	Status : Not Answered Chosen Option :
,	What will be the voltage rating of the transformer at reduced frequences to remain a constant? 1.37 V 2.25 V	Status : Not Answered Chosen Option :
,	What will be the voltage rating of the transformer at reduced frequencial remains constant? 1.37 V 2.25 V 3.23 V	Status : Not Answered Chosen Option :
,	What will be the voltage rating of the transformer at reduced frequences to remain a constant? 1.37 V 2.25 V	Status : Not Answered Chosen Option :
,	What will be the voltage rating of the transformer at reduced frequencial remains constant? 1.37 V 2.25 V 3.23 V	Status : Not Answered Chosen Option : requency of 50 Hz. ency if the flux
,	What will be the voltage rating of the transformer at reduced frequencial remains constant? 1.37 V 2.25 V 3.23 V	Status : Not Answered Chosen Option :
,	What will be the voltage rating of the transformer at reduced frequencial remains constant? 1.37 V 2.25 V 3.23 V	Status : Not Answered Chosen Option : requency of 50 Hz. ency if the flux Question ID : 26433096090
Ans	What will be the voltage rating of the transformer at reduced frequences to remains constant? ★ 1.37 V ★ 2.25 V ★ 3.23 V ★ 4.41 V	Status : Not Answered Chosen Option : requency of 50 Hz. ency if the flux Question ID : 26433096090 Status : Answered
Ans	What will be the voltage rating of the transformer at reduced frequenciaty remains constant? ★ 1.37 V ★ 2.25 V ★ 3.23 V ★ 4.41 V Choose the correct classification for Hydro power plant	Status : Not Answered Chosen Option : requency of 50 Hz. ency if the flux Question ID : 26433096090 Status : Answered
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Q.92 What is the power factor angle of an RC series circuit?

- \times 1. $tan^{-1}(\frac{CR}{III})$
- \times 2. $tan^{-1}(\frac{Ul}{CR})$
- \times 3. $tan^{-1}(\frac{R}{CIII})$
- \checkmark 4. $tan^{-1}(\frac{1}{UCR})$

Question ID: 26433095561

Status: Answered

Chosen Option: 4

Q.93 Norton's theorem can be applied to

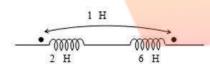
- Ans X 1. only nonlinear networks
 - X 2. both linear and nonlinear networks
 - X 3. only nonlinear unilateral networks
 - 4. linear networks

Question ID: 26433096465

Status: Answered

Chosen Option: 4

Determine the effective inductance of the series connected coupled coils as shown in the given figure.



- Ans X 1. 13 H
 - X 2. 12 H

Question ID: 26433096864

Status: Answered

Q.95 A 4-pole, DC series motor has a wave connected armature with 200 conductors. The flux per pole is 20 m Wb when the motor is drawing 20 A from the supply. The back EMF of the motor is 200 V. Calculate the speed of the motor under this condition.

1. 1500 rpm

X 2. 1893 rpm

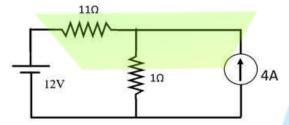
X 3, 1450 rpm

X 4, 1374 rpm

Question ID: 26433096088

Status: Answered Chosen Option: 1

Q.96 For the circuit shown below, the voltage across the 11Ω resistor is given by:



$$\checkmark$$
 2. $\frac{22}{3}$ V

$$\times$$
 4. $\frac{2}{3}$ V

Question ID: 26433096445

Status: Answered

Chosen Option: 2

Q.97 The cable rating suitable for connecting a load of 3 kW to a single-phase supply of 230

Ans X 1. 10 A



🧳 3. 15 A

X 4.5 A

Question ID: 26433099554

Status: Answered

Question ID: 26433095557 Status: Answered Chosen Option: 3

Q.100 The direction of motion of the conductor, according to Fleming's right hand rule is indicated by ______.

Ans

1. thumb

X 2. middle finger

X 3. fore finger

X 4. both fore finger and middle finger

Question ID : 26433096854 Status : Answered