

हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई - 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

REGISTERED OFFICE: 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

Participant ID	WWW.ALLEXAMREVIEW.COM
Participant Name	
Test Center Name	WWW.EXAMBOOK.CO
Test Date	11/08/2021
Test Time	2:00 PM - 4:30 PM
Subject	ELECTRICAL ENGINEER

Section : English Language

Q.1 Pick the most appropriate synonym of:

fundamental

Ans

💢 1. minor

🎻 2. Basic

X 3. transparent

X 4. advanced

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Question ID : 50389010961

Status: Answered

Chosen Option: 2

Q.2 Which part of the sentence contains an error?

Each and every person attending the meeting want to give a feedback.

Ans

1. want to

X 2. Each and every person

X 3. give a feedback

X 4. attending the meeting

Question ID : 50389010970

Status: Answered

Chosen Option: 4

Q.3	Select the most appropriate option to complete the se	entence.
	This is car and you should park it over	:
Ans	X 1. Their, their	
	X 2. There, there	MANAYA I I EVAMPEVIEW COM
	X 3. There, their	WWW.ALLEXAMREVIEW.COM
	✓ 4. Their, there	
	, and the second	
		Question ID : 50389010960
		Status : Answered Chosen Option : 4
Q.4	Choose the appropriate words to complete the phrase money.	e. Very soon, I am going to run
Ans	1. Short in	
	3. short of	
	2. Short for 3. short of 4. Short to	
	4. Ghorte	
		Question ID : 50389010967
	•	Status : Answered Chosen Option : 3
		Chosen Option . 3
Q.5	Which pair of conjunctions can be used for this sente	nce?
	it rains, the weather will remain hot.	4
Ans	X 1. from	WWW.ALLEXAMREVIEW.COM
	× 2. so	
	√ 3. Unless	
	X 4. whereas	
	•	
		Question ID : 50389010957
		Status : Answered Chosen Option : 3
Q.6	Pick the most appropriate antonym of:	
	blessing	
Ans	1. blight	
	X 2. godsend	
	X 3. boon X 4. Grace	
	X 4. Grace	
		Question ID : 50389010963
		Status : Answered
		Chosen Option : 1

Q.7	Choose the most appropriate opt	ion to complete the sentence.	
	Messages are passed the brain and rest of the body through the spinal cord.		
Ans	🗙 1. at		
	X 2. with		
	X 3. Among		
	4. between	WWW.ALLEXAMREVIEW.COM	
		2	
		Question ID : 50389010956 Status : Answered	
		Chosen Option : 4	
Q.8	Select the most appropriate option	on to complete the sentence	
4.0	My mother in 1990.		
Ans	1. Was being graduated		
	2. Had being graduated		
	X 3. Has had graduated		
	4. Oraquated		
		Question ID : 50389010959 Status : Answered	
		Status : Answered Chosen Option : 1	
		Sheddin Spiletti 1	
Q.9	Choose the word which can be u	sed in place of the words underlined.	
	I avoid lifts because of my fear of	closed and confined spaces.	
Ans	X 1. Cynophobia		
	X 2. Xenophobia		
	3. Claustrophobia		
	X 4. Acrophobia		
		Question ID : 50389010964	
		Status : Answered	
		Chosen Option: 3	
Q.10	Select the most appropriate option homework to do than my sister.	on to complete the sentence.I have	
Ans	X 1. Little		
	X 2. More less	WWW.ALLEXAMREVIEW.COM	
	X 3. Least		
	✓ 4. Less		
		Outselfer ID : F02000400F0	
		Question ID : 50389010958 Status : Answered	
		Chosen Option : 4	

Q.11	Select the misspelt word.	
Ans	X 1. friend	
	2. mischief	
	√ 3. Sliegh	
	X 4. Vein	
		Question ID : 50389010965 Status : Answered
		Chosen Option: 3
	Choose the sentence which is grammatically correct.	
Ans	1. many tourists go to winters in Goa	
	2. many tourists go to Goa in winters	WWW.ALLEXAMREVIEW.COM
	3. in many winters tourists go to Goa	
	4. many Goa go to tourists in winters	
		Question ID : 50389010971
	Th.	Status : Answered
		Chosen Option : 2
	2. Bringing off3. Bringing down	1/1/5
	X 4. Bringing with	
		Question ID: 50389010968
		Status : Answered Chosen Option : 1
		Volleschi Option: 1
Q.14	Which part of the sentence contains an error?	
	I did not want India to loose the match that day.	
Ans	🗙 1. want India to	
	X 2. that day	
	X 3. I did not	
	✓ 4. loose the match	
		Question ID: 50389010969
		Status : Anguared
		Status : Answered Chosen Option : 3

	pose the correct preposition. You must cover your face o out.	_ a mask when you
	1. with	
7	2. through	
7	√ 3. in	
7	4. Of	
		Question ID : 50389010955 Status : Answered
		Chosen Option : 1
Q.16 Pic	k the most appropriate synonym of:	
des	pise	
Ans 🤰	1. appreciate	
	2. hate	W.ALLEXAMREVIEW.COM
7	3. Cherish	
7	4. Condone	
	2. hate 3. Cherish 4. Condone	
		Question ID : 50389010962 Status : Answered
		Chosen Option : 2
	ect the misspelt word. 1. Calendar	
	2. Janiter	
	3. Decorator	
_	4. mentor	
•	4. mentor	
		Question ID : 50389010966
		Status : Answered Chosen Option : 1
		* Chach Chick !
Section : (Quantitative Aptitude	(6)
Q.1 A c	an do a work in 6 days, B and C working together can do it in 4	days, A and C
	king together can do it in 3 days. In how many days B alone ca	in do the work?
•	2. 13	
	3. 12	
	4 . 10	
•	4. 10	
		Question ID : 50389010990
		Status : Answered
		Chosen Option : 3

Q.2 A can do a work in 8 days working 10 hours a day. B can do the same work in 10 days working 7 hours a day. How many days will they take to complete the work if they work together for 8 hours a day?

Ans

X 1.4

X 2

X 3. 4 2

 $\sqrt{4.4} \frac{2}{3}$

Question ID: 50389010989

Status : Answered

Chosen Option: 4

Q.3 A shopkeeper earns a profit of 25 percent after allowing 25 percent discount. Find his profit percentage if he allows only 16 percent discount.

Mich

Ans

// 1. 40

× 2. 28 4

X 3.42

X 4. 32

Question ID: 50389010992

Status: Marked For Review

Chosen Option: 2

Q.4 A trader usually sells his goods at 40 percent profit. However, during off season, he reduces his selling price by 20 percent. What is his reduced profit percentage?

Ans

- X 1. 15
- **X** 2. 16
- **3**. 12
- **X** 4. 18

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Question ID: 50389010993

Status: Marked For Review

Chosen Option: 2

Q.5 A sum of Rs. 34000 is given to A and B in such a way that three-fifth of share of A is equal to one-fourth of share of B. How much more money (in Rs.) B receives in comparison to A?

Ans

/ 1. 14000

X 2. 10000

3. 17000

4. 24000

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Question ID : 50389010981

Status : Answered

Q.6 Sunayana spent 0.05 part of her savings in Stocks, 0.4 part in Fixed Deposits, 0.4 part amounting to Rs. 36000 in gold ornaments and remaining she kept as cash. How much cash (in Rs.) has she kept?

Ans

- **X** 1. 13850
- - 2. 13500
- X 3. 12745
- **X** 4. 13000

Question ID: 50389010979

Status: Answered

Chosen Option: 2

Two trains take 2 minutes to cross each other when running in the same direction. They take 30 seconds to cross each other when running in opposite directions. Find the ratio of the speed of the faster train to that of the slower train.

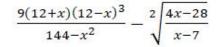
Ans

Question ID: 50389010987

Status: Answered

Chosen Option: 2

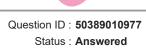
My the state of th Simplify the following expression.



Ans

- \times 1. 40 3x
 - $\sqrt{2.32-3x}$
 - \times 3. 40 + 3x
 - \times 4. 34 3x

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Q.9	Sum of the squares of two natural numbers is 97. If numbers dif the positive difference in their squares?	ffer by 5, then what is
Ans	X 1.55	
	X 2. 75	
	√ 3. 65	
	★ 4.85	
		Question ID : 50389011004 Status : Answered
		Chosen Option : 3
Q.10	Sum of two numbers is 53. If the numbers differ by 7, then what	is the product of these
	two numbers?	
Ans	1. 696	
	2. 744 3. 690 4. 638	
	3. 690	
	4. 638	
		Question ID : 50389011002
		Status : Answered
		Chosen Option : 3
Ans	Rs. 7500 as his share in the profit. If profit was divided in the rat invested, how much money (in Rs.) was invested by Karan? 1. 28000 2. 36000 3. 32400	WWW.ALLEXAMREVIEW.COM
	√ 4. 28800	
		Question ID : 50389010982 Status : Answered Chosen Option : 4
Q.12	The colling mice of an article is 8 times of its cost mice. Fine	d the weaft necessary
	The senting price of an article is - times of its cost price. Find	i die profit percentage.
Ans	X 1. 65	
	2. 55	
	X 3. 45	
	√ 4. 60	
		Ougotion ID : 50200040004
		Question ID : 50389010991 Status : Answered
		Chosen Option : 4

Q.13 Following table shows the earning (in Rs. 1000) of 5 persons A, B, C, D and E over the months.

What was the average earning (in Rs.) of D over the months?

Month/ Persons	March	April	May	June	July
A	24.2	25.5	25.8	26	26.5
В	23.5	24.2	25.5	27	26.8
С	25.5	24.8	26.5	24	28.2
D	24.3	24.7	25.2	27	28.8
E	25	26.9	27.6	27.5	26.2

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Ans

1. 25200

2. 26100

X 3. 25750

4 26000

Question ID: 50389011005

Status: Answered

Chosen Option: 4

Q.14 The average monthly salary of a group of 15 persons is Rs. 62500. Three new persons join the group whose monthly salaries are Rs. 2000, Rs. 1200 and Rs. 1300 respectively more than the average salary of the initial group. What is the average monthly salary of the new group (in Rs.)?

m

Ans

1. 64500

2. 6275

X 3. 63700

X 4. 63800

Question ID : 50389010996 Status : Answered

Choson Option : 2

Chosen Option: 2

Q.15 Sum of the digits of a 2-digit number is 7. If number obtained by interchanging the digits is 9 more than the original number, then what is the sum of the squares of the digits of the number?

Ans

X 1. 49



X 3. 29

X 4. 37

Question ID : 50389011003

Status: Answered

Q.16	A box contains 50 sweets	(Laddu). For	r 600 sweets	(Laddu) how	many b	oxes are
	roquirod?					

Ans



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Question ID: 50389010983 Status: Answered

Chosen Option: 1

Simplify the following expression.

Simplify the following expression.

$$\frac{\sqrt[3]{729}}{\sqrt[2]{2197}} \times \sqrt[3]{\frac{512}{1331}}$$

$$\times 1. 3 \frac{75}{143}$$

$$\times 2. \frac{72}{1001}$$

$$\times 3. 9 \frac{27}{143}$$

$$\times 4. \frac{216}{1001}$$

Ans





$$\times$$
 3. $9\frac{27}{143}$

$$\times$$
 4. $\frac{216}{1001}$

Question ID: 50389010976

Status: Answered

Chosen Option: 2

Q.18 Length and breadth of a rectangle are 5 cm and 3 cm. What is the area of that square (in sq. cm) which has the perimeter same as that of the rectangle?

Ans

X 2. 12.25

X 3. 10.24

Question ID: 50389010999

Status: Answered

Chosen Option: 1

Simplify the following expression. (0.235+0.325+7.05-0.401)0.5-0.05 **X** 1. 16.04 Ans WWW.ALLEXAMREVIEW.COM **2**. 16.02 **X** 3. 16.55 **X** 4. 160.2 Question ID: 50389010978 Status: Answered Chosen Option: 2 nder a. Q.20 Curved surface area and volume of a cylinder are 3168 sq. cm and 22176 cu. cm. What is the height of the cylinder (in Use $\pi = \frac{22}{7}$ **X** 3. 32.5 **X** 4. 34 Question ID: 50389011001 Status: Answered Chosen Option : 1 **Q.21** If two numbers are in the ratio $\frac{1}{4}:\frac{1}{5}$, then by what percentage is the second number less than the first number? Ans Question ID: 50389010984 Status: Answered Chosen Option: 2

Q.22 The average weight of some students in a group is 42 kg. If 8 students having average weight 44 kg leave the group and 3 students having average weight 48.25 kg join the group, the average weight of the new group is 50 g more than that of the original group. How many students were there in the group initially?

Ans

X 1. 58

X 2. 54

X 3. 55

4.60

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Question ID: 50389010995

Status: Answered

Chosen Option: 4

Q.23 A 250 m long train crosses a platform of equal length as of the train in 30 seconds. What is the speed of the train in km/h?

M

Ans

X 1 30



3. 54

X 4 50

Question ID: 50389010986

Status: Answered

Chosen Option: 2

Q.24 On a certain sum, difference between the interests when interest is compounded 4-monthly and when compounded semi-annually at 12 percent per annum in 1 year is Rs. 632. What is the sum (in Rs.)?

Ans

X 1. 505000



3.500000

X 4. 480000

Question ID : 50389010998

Status: Marked For Review

Chosen Option: 1

Q.25 If
$$x^4 - 1 = 2400$$
, $y^4 + 1 = 4097$, $x, y > 0$ find the value of $y^3 - x^3$.

Ans

X 1. 858

X 2. 15

3. 198

4. 169

Question ID : 50389010973

Status: Marked For Review

Q.26 If p = 4 and q = 3, then find the value of $(2p - 3q)^{2p-q} \div (3p - 2q)^{p-2q}$.

- Ans X 1. 36
 - **√** 2. **−36**
 - \times 3. $\frac{5}{12}$
 - \times 4. $-\frac{5}{36}$

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Question ID: 50389010974

Status: Answered

Chosen Option: 2

Q.27 How many numbers are there between 20 and 50 which are divisible by 3 or have 3 as its digit? May and the same of the same o

Ans

Question ID: 50389010972

Status: Answered

Chosen Option: 4

Q.28 Find the smallest number which when divided by 8, 7 and 6 leave remainders 6, 5 and 4 respectively.

Ans

- 1. 166

- **X** 4. 162

Question ID: 50389010975 Status: Answered

Chosen Option: 1

Q.29 Total monthly salary of A and B is Rs. 73500. If A gets 80 percent more than B, then how much (in Rs.) is A paid monthly?

Ans

- X 1. 26250
- 3. 52000
- **X** 4. 66150

Question ID: 50389010985

Status: Answered

2021		
16 cm ×	ith dimensions 30 m \times 0.4 m \times 4 m is b 10 cm. If one-eighth of the wall is morta at the rate of Rs. 6 per brick?	
Ans 🗸 1.	63000	
X 2.	52500	WWW.ALLEXAMREVIEW.COM
X 3.	62000	
X 4.	60000	
		Question ID : 50389011000
		Status : Answered Chosen Option : 1
Q.31 Six men work?	can do a work in 6 days. How many day	s will 4 men take to do one-third of the
Ans $\sqrt{1}$	3	
X 2.	2	
X 3.	$1\frac{1}{2}$	
X 4.	$\frac{1}{2}$ $2\frac{1}{2}$	
		Question ID : 50389010988 Status : Answered
		Chosen Option : 1
O 22 Sumit be	orrowed certain cum on cimple interest	at 6 navembers annum for the first 1st
year, at before the percent of the p	orrowed certain sum on simple interest a 7 percent for the next 2 years, at 8 perce for the period beyond 6 years. If he pays then what was the sum (in Rs.) that he b	ent for the next 3 years and at 10 s Rs. 3200 as total interest at the end of
Ans X 1.	` '	
X 2.	4850	
X 3.		
√ 4.		
•		

Question ID: 50389010997

Status : Marked For Review

Chosen Option: 1

Q.33 Subtract the reciprocal of the product of the numbers $2\frac{1}{3}$, $1\frac{1}{5}$, $\frac{3}{8}$, $1\frac{2}{7}$, $4\frac{2}{7}$, 9 from $\frac{1}{5}$.

Ans

$$\times$$
 1. $\frac{27}{5}$

$$\times$$
 2. $-67\frac{3}{10}$



$$\times$$
 4. $\frac{2}{135}$

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Question ID: 50389010980 Status: Answered

Chosen Option: 3

Q.34 The average of 32 numbers is 29. If two numbers 24 and 16 are removed, then what is the average of the remaining numbers?

Mich

Ans



Question ID: 50389010994

Status: Answered

Chosen Option: 3

Section: Intellectual Potential Test

Q.1 Select the number that will come next in the number series.

2, 3, 6, 11, 18, ?

Ans



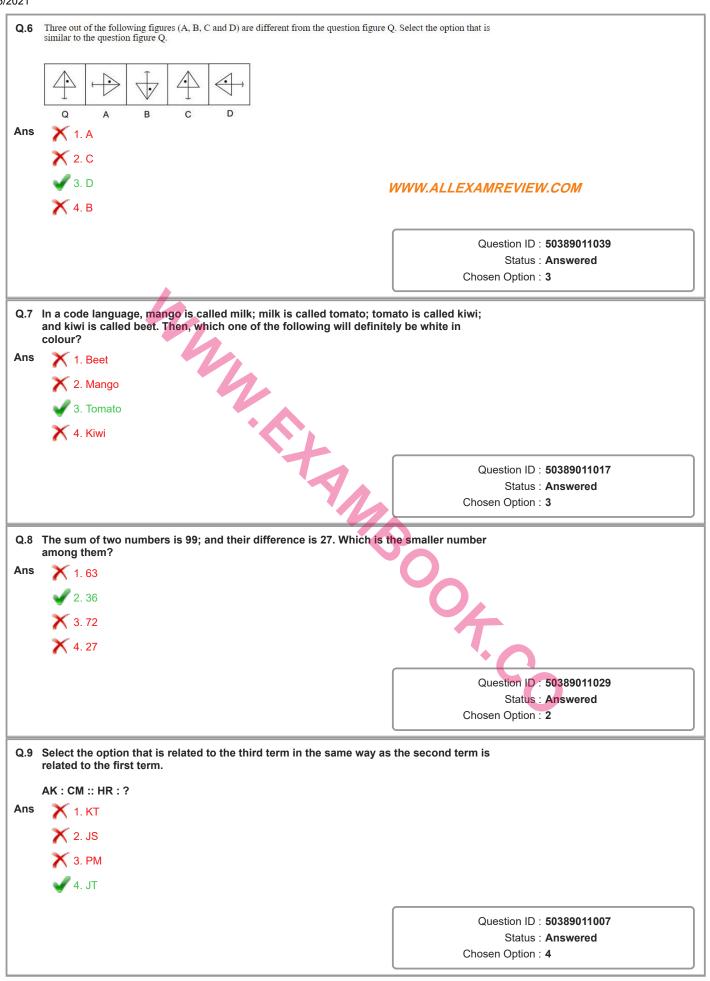




Question ID: 50389011027

Status: Answered

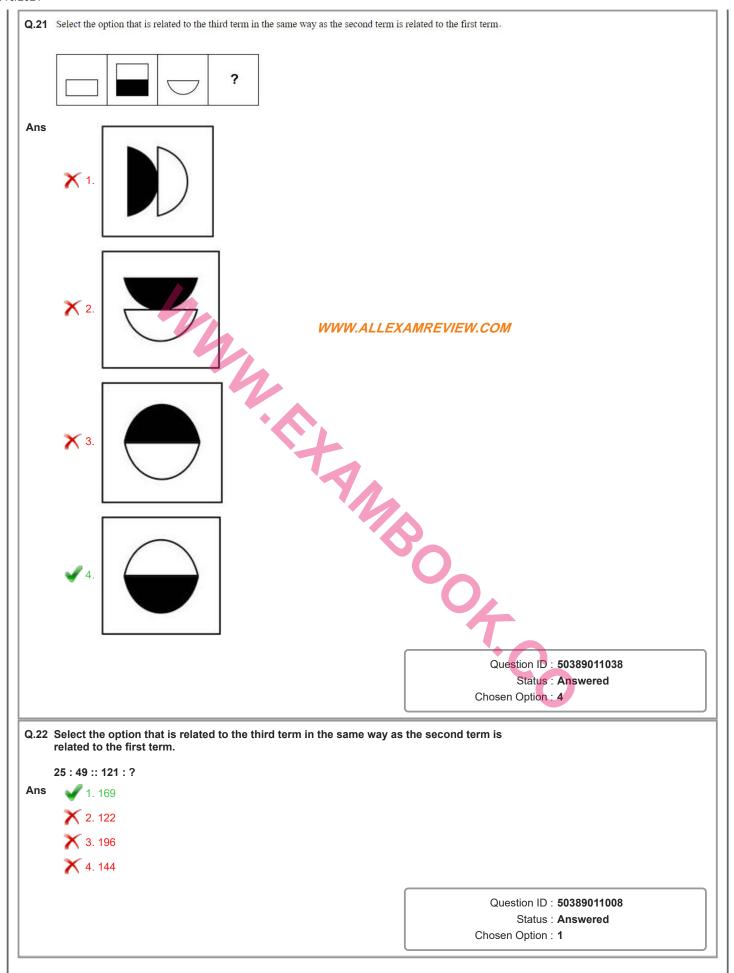
Q.2	Select the option that is related to the threlated to the first term.	hird term in the same way as the second term is
	Hillock : Mountain :: Sea : ?	
Ans	🗙 1. Lagoon	WWW.ALLEXAMREVIEW.COM
	X 2. Lake	
	X 3. Bay	
	✓ 4. Ocean	
	•	
		Question ID : 50389011011
		Status : Answered Chosen Option : 4
		Chosch Option : 4
Q.3	Maya is Babu's wife. Jaya and Daya are Sujay is Babu's son and Ajay's only bro	siblings. Ajay is Daya's husband's brother. other. How is Daya related to Maya?
Ans	1. Mother-in-law	
	2. Sister-in-law	
	X 3. Daughter	
	4. Daughter-in-law	
	3. Daughter 4. Daughter-in-law	
		Question ID : 50389011025
		Status : Answered Chosen Option : 4
		знаст урган т
Q.4		argest 2-digit prime numbers, what is the value
Ans	of x? 1. 112	
	× 2. 102	
	3.99	
	√ 4. 108	
		Question ID : 50389011032
		Status : Answered
		Chosen Option: 4
Q.5	In a code language, TRAIN is coded as STOCK is coded as RUGE. Then, how	SSCLM; PLEAD is coded as OMGDC; and would WHOLE be coded in that language?
Ans	✓ 1. VIQOD	55 -
	× 2. VIQPMF	
	X 3. VJQND	
	X 4. VIPND	
	A MIDNIN	
	4. VIPND	
	4. VIPND	Question ID : 50389011018
	4. VIPND	Question ID : 50389011018 Status : Answered Chosen Option : 1



	Mary related to Patricia?	
Ans	1. Granddaughter	
	✓ 2. Grandmother	
	X 3. Mother	WWW.ALLEXAMREVIEW.COM
	X 4. Daughter	
		Question ID : 50389011023
		Status : Answered Chosen Option : 2
	In a code language, MAP is coded as LBQ; PEN is coded as OFC MPU. Then, how would TUB be coded in that language?	; and NOT is coded as
Ans	✓ 1. SVC	
	X 2 SWC	
	X 3. TVC	
	X 4. STC	
	4.510	
	X 3. TVC X 4. STC	Question ID : 50389011015
		Status : Answered
		Chosen Option : 1
	Select the number that will replace the blanks () and comple correctly.	te the number series
	Select the number that will replace the blanks () and comple correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63	
	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72	Question ID : 50389011028 Status : Marked For Review
	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72	Question ID : 50389011028
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below:	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby 2. Leisure biking: Motorcycle	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby 2. Leisure biking: Motorcycle 3. World Cup: Bicycle	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby 2. Leisure biking: Motorcycle	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby 2. Leisure biking: Motorcycle 3. World Cup: Bicycle	Question ID : 50389011028 Status : Marked For Review
Ans	correctly. 3, 7, 13, 31, 43, 57, ? 1. 64 2. 73 3. 72 4. 63 Select the option that is similar to the pair given below: Car: Formula One 1. Horse: Derby 2. Leisure biking: Motorcycle 3. World Cup: Bicycle	Question ID : 50389011028 Status : Marked For Review Chosen Option : 2

	Neel is Deepa's only brother. Heera is Neel's moth How is Anuj related to Neel?	ner. Anuj is Heera's only son-in-law.
Ans	X 1. Brother	
	X 2. Wife's brother	WWW.ALLEXAMREVIEW.COM
	X 3. Father-in-law	
	✓ 4. Sister's husband	
	•	
		Question ID : 50389011024
		Status : Answered Chosen Option : 4
Q.15	f x% of x is 49, what is the value of x?	
Ans	X 1.77	
	√ 2.70	
	₹ 3.51	
	4.60	
	X 3.51 X 4.60	
		Question ID : 50389011030 Status : Answered
		Chosen Option : 2
	What is the difference between the place value an	d the face value of 6 in 756954?
Ans	1.594	
	2. 994	γ_{Λ}
	3. 5694	
	4. 5994	
		Question ID : 50389011031
		Status : Answered
		Chosen Option : 2
0 17	Select the option that is similar to the pair given b	polour
		elow.
Ans	Car : Garage X 1. Auto rickshaw : Footpath	
71110		
	2. Train : Yard	
	X 3. Bus : Shore	
	4. Aeroplane : Airport	
		Question ID : 50389011021
		Status : Answered
		Chosen Option: 2

Q.18 Three out of the following four options share a similarity. Select the option that is different from the others. Ans	2021					
2. Sahara : Plateau 3. Thames : River 4. Atlantic : Ocean Question ID : 50389011013 Status : Answered Chosen Option : 2 Question IT : 50389011013 Status : Answered Chosen Option : 2 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011016 Status : Answered	Q.18					
Question ID : 50389011013 Status : Answered Chosen Option : 2 Question ID : 50389011013 Status : Answered Chosen Option : 2 Question ID : 50389011013 Status : Answered Chosen Option : 2 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011012 Status : Answered Chosen Option : 4 Question ID : 50389011015 Status : Answered	Ans	1. Andes : Mountain Range				
Question ID : 50389011013 Status : Answered Chosen Option : 2 Q.19 Three out of the following four options share a similarity. Select the option that is different from the others. Ans		2. Sahara : Plateau	WWW.ALLEXAMREVIEW.COM			
Question ID : 50389011013 Status : Answered Chosen Option : 2 Q.19 Three out of the following four options share a similarity. Select the option that is different from the others. Ans		X 3. Thames : River				
Q.19 Three out of the following four options share a similarity. Select the option that is different from the others. Ans		X 4. Atlantic : Ocean				
Q.19 Three out of the following four options share a similarity. Select the option that is different from the others. Ans			Question ID : 50389011013			
Q.19 Three out of the following four options share a similarity. Select the option that is different from the others. Ans			Status : Answered			
different from the others. Ans			Chosen Option : 2			
Question ID: 50389011012 Status: Answered Chosen Option: 4 Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans 1.677 2.697 3.687 4.798 Question ID: 50389011016 Status: Answered	Q.19	Three out of the following four options share a different from the others.	a similarity. Select the option that is			
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans	Ans	X 1. Two				
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans		X 2. Ten				
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans		★ 3. Six				
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans		√ 4. One				
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans			Ouestion ID : 50389011012			
Q.20 In a code language, BED is coded as 254; GAB is coded as 712; and HID is coded as 894. Then, how would FIG be coded in that language? Ans			Status : Answered			
894. Then, how would FIG be coded in that language? Ans		•	Chosen Option : 4			
Ans	Q.20	In a code language, BED is coded as 254; GAI	3 is coded as 712; and HID is coded as			
2. 697 3. 687 4. 798 Question ID: 50389011016 Status: Answered	Ans					
4. 798 Question ID : 50389011016 Status : Answered						
Question ID : 50389011016 Status : Answered		X 3. 687				
Status : Answered		× 4. 798				
Status : Answered						
У ОТИСТ ОРГИНИ Д						
			. 553 грази. 2			



0.23	Select the	ontion	that is	similar to	the ke	v word	aiven	helow:
w.20	OCICCI LIIC	Option	tilatio	Jillillai to	tile ne	y wolu	MIA CII	DCIOW.

Mango

Ans





2. Turnip



X 3. Garlic

4. Litchee

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Question ID: 50389011019

Status: Answered

Chosen Option: 4

Q.24 Select the number that will come next in the number series.

3, 5, 8, 10, 13, 15, ?

Ans

1. 20





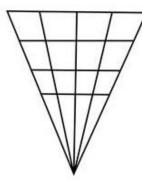
Question ID: 50389011026

Status: Answered

Chosen Option: 3

Q.25 What is the maximum number of triangles in this image? SOO A.C.

Who is



Ans

X 1. 21

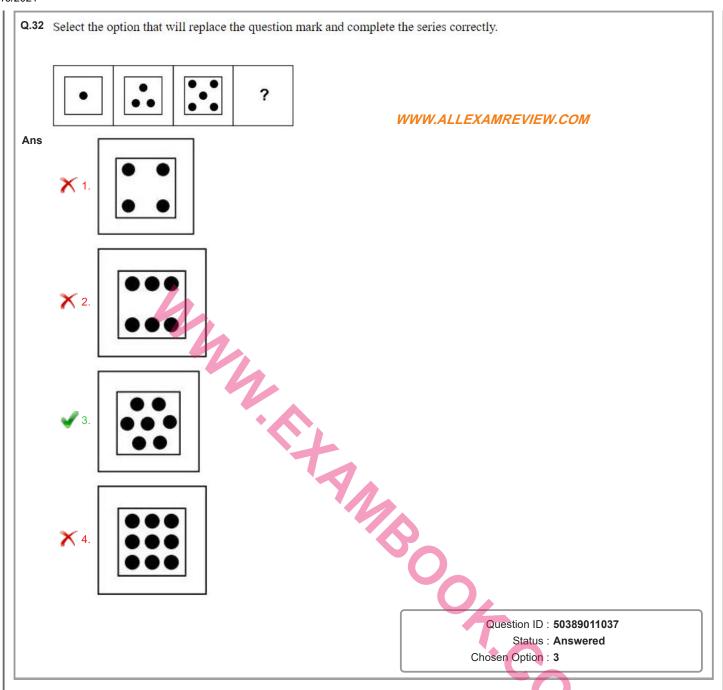


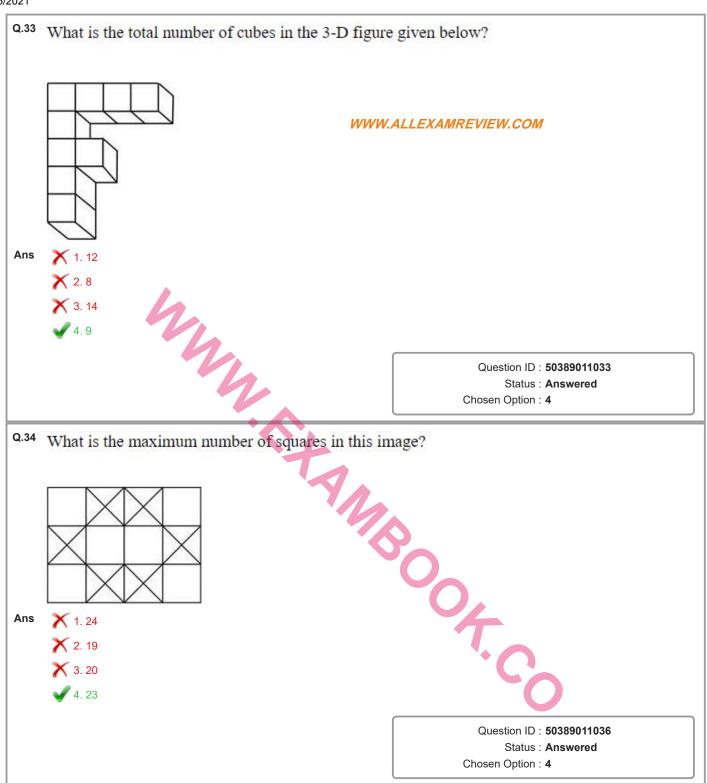
Question ID: 50389011034

Status: Answered

Q.26 Select the option tha related to the first ter	t is related to the third term in the same way as the second term is m.
27:256::3125:? Ans	WWW.ALLEXAMREVIEW.COM
	Question ID : 50389011010 Status : Answered Chosen Option : 2
related to the first ter	t is related to the third term in the same way as the second term is m.
Cow: Calf:: Lion:? Ans 1. Puppy 2. Simba 3. Lioness 4. Cub	
	Question ID : 50389011006 Status : Answered Chosen Option : 4
Q.28 What is the max Ans	imum number of squares and rectangles in this image?
	Question ID : 50389011035 Status : Marked For Review Chosen Option : 3

J.29	Select the option that is similar to the key word give	ven below:
١	Leopard	
Ans	X 1. Rhinoceros	
	2. Tiger	
	X 3. Fox	
	X 4. Bear W	WW.ALLEXAMREVIEW.COM
		Question ID : 50389011020
		Status : Answered
		Chosen Option : 2
2.30	Three out of the following four options share a sim different from the others.	nilarity. Select the option that is
Ans	1. GRAPE : RGEPA	
	2. APPLE : PAELP	
	3. GUAVA : UGAVA	
	✓ 4. BERRY : EBRYR	
		Question ID : 50389011014
		Status : Answered
		Chosen Option : 4
2.31	Select the option that is related to the third term in related to the first term.	the same way as the second term is
	Zoology : Animals :: Ornithology : ?	
Ans	X 1. Virus	
	× 2. Plants	· O'_
	X 3. Snakes	
	✓ 4. Birds	
	4. Dilus	
		Question ID : 50389011009
		Status : Answered
		Chosen Option : 4





Section: Domain Knowledge

Output voltage wave shape of a basic series inverter is

Ans

- 1. Trapezoidal wave
- 2. Continuous sinewave
- - 3. Discontinuous sinewave
- X 4. Square wave

Question ID: 50389011080 Status: Answered

Chosen Option: 4

For a transistor $\beta_{dc} = 49$. Find the value of α .

Ans

- **X** 1. 0.9

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Question ID: 50389011090 Status: Answered

Chosen Option: 3

Q.3 A 9 V battery supplies 1 mA current in a series circuit of three resistors R_1 , R_2 and R_3 . If the voltage drops across R_1 , R_2 and R_3 are 1 V, 2 V and 6 V respectively, find the values of R_1 , R_2 and R_3 .

 \times 1. $R_1 = 6 \text{ k}\Omega$, $R_2 = 2 \text{ k}\Omega$ and $R_3 = 1 \text{ k}\Omega$

hh

- \checkmark 2. $R_1 = 1 \text{ k}\Omega$, $R_2 = 2 \text{ k}\Omega$ and $R_3 = 6 \text{ k}\Omega$
- \times 3. $R_1 = 2 \text{ k}\Omega$, $R_2 = 3 \text{ k}\Omega$ and $R_3 = 4 \text{ k}\Omega$
- \times 4. $R_1 = 4 \text{ k}\Omega$, $R_2 = 2 \text{ k}\Omega$ and $R_3 = 3 \text{ k}\Omega$

Question ID: 50389011043 Status : Answered

Chosen Option: 2

Q.4 A properly shunted centre zero galvanometer is connected in the rotor circuit of a 6pole, 50 Hz wound rotor induction motor. If the galvanometer makes 90 complete oscillations in one minute, calculate the rotor speed.

Ans

- X 1. 1470 rpm
- 2. 1030 rpm
- 3. 970 rpm
- 🗙 4. 1000 rpm

Question ID: 50389011121

Status: Answered

Q.5	Two quadrant type B chopper operates in:	
Ans	s	
	× 2. 2 nd and 4 th quadrants	
	★ 3. 1 st and 2 nd quadrants	
	× 4. 3 rd and 4 th quadrants	
		Question ID : 50389011087 Status : Answered Chosen Option : 1
Q.6	In induction type energy meter, error is caused due for friction.	to over compensation
Ans	1. Creeping 2. Phase angle error	/WW.ALLEXAMREVIEW.COM
		Question ID : 50389011108 Status : Answered Chosen Option : 1
Q.7	A 0 to 200 V voltmeter has a guaranteed accuracy of 0.5 percent deflection. The voltage measured by the instrument is 50 V. Find 1. 0.25 percent 2. 1 percent 3. 0.5 percent 4. 2 percent	
		Question ID : 50389011112 Status : Answered Chosen Option : 4
Q.8	8 Maxwell bridge is used for the measurement of having trange	the Q-factor in the
Ans		
	3. Inductors, 100 < Q < 10004. Capacitors and inductors, 1 < Q < 100	
	T. Capacitors and inductors, 1 × Q × 100	Question ID : 50389011110 Status : Answered Chosen Option : 1

Q.9	In 8085 microprocessor, when the PUSH instruction is executed the register is and when the POP instruction is executed is, respectively.	ne stack pointer ed the stack pointer
Ans	1. Decremented by two, incremented by two	
	X 2. Decremented by one, incremented by one	
	3. Incremented by one, decremented by one	
	X 4. Incremented by two, decremented by two	
		Question ID : 50389011093 Status : Answered Chosen Option : 2
Q.10	Convert (B68) ₁₆ in to equivalent octal number.	
Ans	X 1. (5050) ₈ X 2. (5555) ₈ ✓ 3. (5550) ₈ X 4. (4550) ₈	WWW.ALLEXAMREVIEW.COM
		Question ID : 50389011094 Status : Answered Chosen Option : 3
Q.11 Ans	Amplitude of antisymmetric signal is at the origin. 1. Always negative 2. Always zero 3. Either positive or negative but not zero 4. Always positive	Question ID : 50389011059 Status : Answered Chosen Option : 3
Q.12 Ans	Which of the Following is NOT a characteristic of PMMC instrume 1. Non-uniform scale 2. No hysteresis loss 3. High accuracy 4. Used for DC measurements only	nts?
		Question ID : 50389011104 Status : Answered Chosen Option : 1

Q.13	An RC phase shift oscillator uses capacitors of $(\frac{1}{\sqrt{6}\pi})$ pf. Find the value of kHz.	resistance 'R' to produce frequency of 1000			
Ans	s				
	✓ 2. 500 kΩ				
	× 3. 50 kΩ				
	× 4. 250 kΩ				
		WWW.ALLEXAMREVIEW.COM			
		Question ID : 50389011092			
		Status : Answered Chosen Option : 2			
Q.14		$_1 = 2 \text{ H}, L_2 = 8 \text{ H} \text{ and } M = 4 \text{ H}.$			
Ans	X 1. 0.75				
	2. 1.0				
	X 3. 0.5				
	X 4. 0.25				
	X 3. 0.5 X 4. 0.25	Question ID : 50389011052			
		Status : Answered			
		Chosen Option : 2			
Q.15	The resultant transient voltage which appears across the	ne breaker contacts at the			
	instant of arc extinction is known as the				
Ans	1. Restriking voltage	4			
	X 2. Recovery voltage	' ///>			
	X 3. Active recovery voltage				
	X 4. Source voltage				
		Question ID : 50389011075			
		Status : Answered			
		Chosen Option : 1			
Q.16	Which of the following method of tariff was proposed b	y John Hopkinson?			
Ans	√ 1. Two part tariff				
	2. Three part tariff				
	X 3. Block meter rate				
	X 4. Flat demand rate				
		Ougation ID : 50202044202			
		Question ID : 50389011069 Status : Answered			
		Chosen Option : 3			

Q.17	For a transistor, collector current is 100 times the base current. Find β_{dc} .		
Ans	√ 1. 100		
	X 2. 10	WWW.ALLEXAMREVIEW.COM	
	X 3. 50		
	X 4. 90		
		Question ID : 50389011089 Status : Answered	
		Chosen Option : 1	
0.40	Which of the fellowing is not an example of Vector growth.		
Q.18 Ans	Which of the following is not an example of Vector quantity? 1. Electric field intensity		
	× 2. Magnetic field intensity		
	3. Mass		
	X 4. Acceleration		
	4. Acceleration		
		Question ID : 50389011051	
		Status : Answered	
		Chosen Option : 3	
Q.19	In which of the following commutation technique, the triggeria	ng of one SCR	
Ans	commutates the already conducting SCR and vice versa?		
Alis	1. Class D commutation		
	2. Class E commutation		
	✓ 3. Class C commutation		
	X 4. Class A commutation		
		Question ID : 50389011079	
		Status : Answered	
		Chosen Option : 2	
Q.20	With reference to fault analysis, L-L fault is faul	It and the L-L-L-G fault is	
	fault.	"C'	
Ans	1. Unsymmetrical, Unsymmetrical		
	2. Unsymmetrical, Symmetrical		
	3. Symmetrical, Unsymmetrical		
	4. Symmetrical, Symmetrical		
		Question ID : 50389011071	
		Status : Answered	
		Chosen Option : 2	

Q.21	In a signal flow graph, is the gain alo output, not passing through any node more that	ng any path from the input to the nonce.
Ans	X 1. Closed loop gain	
	2. Forward path gain	
	X 3. Loop gain	WWW.ALLEXAMREVIEW.COM
	X 4. Feedback gain	
		Question ID : 50389011099
		Status : Answered Chosen Option : 2
	A power plant has the annual factors given as: I factor = 50 percent, Use factor = 60 percent. If m reserve capacity over and above the peak load.	
Ans	X 1. 14 MW	
	√ 2. 8 MW	
	X 3.6 MW	
	X 4. 28 MW	
	2. 8 MW 3. 6 MW 4. 28 MW	
		Question ID: 50389011070
	***	Status : Answered Chosen Option : 2
		Chosen Option . 2
	With the help of the surface inte integral.	gral can be converted into a volume
Ans	X 1. Coulomb's law	
	2. Divergence theorem	
	X 3. Gauss's law	
	X 4. Maxwell's theorem	
		Question ID : 50389011055 Status : Answered
		Chosen Option : 2
	Which of the following statement is WRONG wh with overhead lines?	en underground cables are compared
Ans	X 1. For long distance transmission, overhead	lines are used
	2. The erection cost of overhead line is much	
	X 3. Underground cables give greater safety to	
	X 4. The conductor in overhead lines are less e	
	The contagged in evented into are less to	
		Question ID: 50389011073
		Status: Answered
		Chosen Option : 2

Q.25	Electrostatic type instruments are primarily used as	
Ans	1. Voltmeters	
	X 2. Ohmmeter	
	X 3. Ammeters	
		ALLEXAMREVIEW.COM
	•	
		Question ID : 50389011106
		Status : Answered Chosen Option : 1
		S.ISSS.II SPASINI.
Q.26	A $2k\Omega$ resistor is connected across a 10 V battery. Calculate the pothe resistor.	wer consumed by
Ans	X 1. 5.0 W	
	✓ 2. 50 mW	
	★ 3.5 mW	
	★ 3.5 mW ★ 4.0.5 W	
		Question ID : 50389011042
		Status : Answered Chosen Option : 2
Q.27	Two equal resistors of 10 Ω each are connected in series with a 20 the current through each resistor.	V dc supply. Find
Ans	X 1.8 A	
	X 2.2 A	
	✓ 3.1A	
	X 4.4 A	
	4.4 A	
		Question ID : 50389011040
		Status : Answered
		Chosen Option : 3
Q.28	A single phase full bridge inverter has a supply voltage of 100 V do	. What will be the
Ans	peak reverse blocking voltage of each thyristor?	
Alla	X 1.50 V	
	X 2. 200 V	
	★ 3. 400 V	
	√ 4. 100 V	
		Question ID : 50389011082
		Status : Answered
		Chosen Option : 4

Q.29 The breakaway points of the root-loci of a polynomial equation can occur Ans 1. Anywhere on the complex plane 2. On imaginary axis only 3. On real axis only X 4. At origin only Question ID: 50389011097 Status: Answered Chosen Option: 3 Q.30 For a DC motor, gross mechanical power developed by the motor is maximum and the motor is supplied through a 220 V source. What will be back emf? Ans 🗙 1. 220 V hh WWW.ALLEXAMREVIEW.COM Question ID: 50389011116 Status: Answered Chosen Option: 4 Q.31 Which of the following system is an example of closed loop control system? 1. Voltage stabilizer Ans 2. Traffic light control system 3. Bread toaster X 4. TV remote control Question ID: 50389011096 Status: Answered Chosen Option: 3 Q.32 For series connected SCRs, static equalization is obtained with the help of Ans 1. Resistors only 2. Resistors, capacitors and diodes 3. Capacitors only 4. Resistors and capacitors Question ID: 50389011081 Status: Answered Chosen Option: 2

Q.33	Q.33 Which of the following condition must be satisfied to measure the power delivered to a 3-phase load, using only 2 wattmeters?		
Ans	 1. Load must be unbalanced 2. Load must be connected to the source through 4-wires 3. Load must be connected to the source through 3-wires 	WWW.ALLEXAMREVIEW.COM	
	★ 4. Load must be balanced	Question ID : 50389011107 Status : Answered Chosen Option : 3	
Q.34 Ans	Which of the following characteristic is not desirable in measuring 1. Drift 2. Accuracy 3. Repeatability 4. Linearity	instrument?	
	3. Repeatability 4. Linearity	Question ID : 50389011105 Status : Answered Chosen Option : 1	
Q.35 Ans	Which of the following device does not belong to thyristor family? 1. UJT 2. GTO 3. SITH 4. RCT		
		Question ID : 50389011077 Status : Answered Chosen Option : 1	
Q.36	In a hollow tube, if the velocity of air is constant everywhere inside divergence of the velocity field is	the tube then the	
Ans	 1. Negative 2. Zero 3. Unity 4. Infinite 		
		Question ID : 50389011054 Status : Answered Chosen Option : 2	

- Q.37 For a synchronous generator supplying a balanced 3-phase load, the armature reaction flux is _____ in magnitude and rotates at _____ speed.
- 1. Variable, Sub-synchronous
- - 2. Variable, Super-synchronous
- 3. Constant, Synchronous
- X 4. Constant, Sub-synchronous

- WWW.ALLEXAMREVIEW.COM
 - Question ID: 50389011120 Status: Answered
 - Chosen Option: 3
- /hich of unircuit?

 X 1. $B = \frac{\Phi}{A}$ X 2. $H = \frac{NI}{l}$ X 3. $\mu = \frac{B}{H}$ $\Phi = \frac{NI}{c}$ Q.38 Which of the following equation is sometimes referred to as the Ohm's law of magnetic
- Ans

- Question ID: 50389011050
 - Status: Answered
- Chosen Option: 3
- Q.39 In the cathode ray tube, distance of _____ is minimum from the phosphor screen.
- 1. X- Plates
- 2. Grid
- 3. Y-plates
- X 4. Cathode

- WWW.ALLEXAMREVIEW.COM
 - Question ID: 50389011103
 - Status: Answered
 - Chosen Option: 2
- Q.40 Identify the non-renewable source of energy among the given option.
- X 1. Biomass energy
- 2. Nuclear energy
- 3. Solar energy
- X 4. Geothermal energy

- Question ID: 50389011067
 - Status: Answered
- Chosen Option: 2

If following Boolean expression is reduced, what will be the reduced result?

 $(B + BC) (B + \overline{B} C) (B + D)$

Ans

- X 1. D
- 🗙 3. CD

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Question ID: 50389011095 Status: Answered

Chosen Option: 4

Q.42 A conventional oscilloscope has a bandwidth of 100 MHz. The rise of the CRO is approximately _

Ans

- 1. 3.5 ns
- X 2. 350 ns
- X 3. 0.35 ns

Question ID: 50389011113 Status: Answered

Chosen Option: 1

Q.43 Which of the following system is linear?

- X 1. Y(n) = |x(n)|
- \times 2. $Y(n) = e^{x(n)}$
- \times 3. $Y(n) = \cos x(n)$
- \checkmark 4. Y(n) = x(n) + n x(n+1)

Question ID: 50389011064

Status: Answered

Chosen Option: 4

Q.44 Which of the following device is bidirectional?

Ans

- 🗙 1. PUT
- 2. SCS
- 3. DIAC
- **X** 4. SUS

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Question ID: 50389011078

Status: Answered

Q.45 Which of the following is an example of static system?

Ans

$$X = Y(n) = x(n^2)$$

$$X$$
 2. $Y(n) = x(-n)$

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$$\times$$
 3. $y(n) = 3x(n) - x(n-2)$

$$\checkmark$$
 4. $y(n) = n x(n) + b x^2(n)$

Question ID : 50389011063 Status : Answered

Chosen Option: 4

Q.46 While incorporating lead-compensation network, the gain factor of the amplifier is

hung.

Ans









Question ID : 50389011101 Status : Answered

Chosen Option: 2

Q.47 With reference to the divergence, which of the following statement is WRONG?

Ans

1. Divergence operation can be represented by del operator.

2. Divergence of a vector is a vector quantity

X 3. Divergence of a scalar has no meaning

X 4. Expressions for divergence in different co-ordinate systems are different

Question ID: 50389011056

Status : Answered

Chosen Option: 2

Q.48 Which of the following circuit is used to obtain pulse gate triggering?

Ans

1. UJT based relaxation oscillator circuit

X 2. Diac-Triac circuit

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X 3. Resistance-capacitance triggering circuit

X 4. Resistive triggering circuit

Question ID : 50389011085

Status : Answered

Q.49 Exponential signal is an example of _ signal.

- 1. Random and non-periodic
- 2. Deterministic and periodic
- 3. Deterministic and non-periodic
- X 4. Random and periodic

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Question ID: 50389011061 Status: Answered

Chosen Option: 3

Q.50 If a voltage $v = 10 \cos (100t + 30^\circ)$ is applied to a 50 μ F capacitor, calculate the current through the capacitor.

Ans

- X 1 50 cos (100t-30°) mA
- X 2. 50 cos (100t -120°) mA
- √ 3. 50 cos (100t+120°) mA
- X 4. 50 cos (100t+30°) mA

Question ID: 50389011047 Status: Answered

Chosen Option: 3

For a second order system having its transfer function as: fe.

 $H(s) = 25 / (s^2 + 8s + 25)$

Find the damping factor.

Ans

- 1. 0.8
- 3. 0.6

Question ID: 50389011100

Status: Answered

Chosen Option: 1

Q.52 A power amplifier supplies 50 W to an 8 Ω speaker. Find ac output voltage and ac output current.

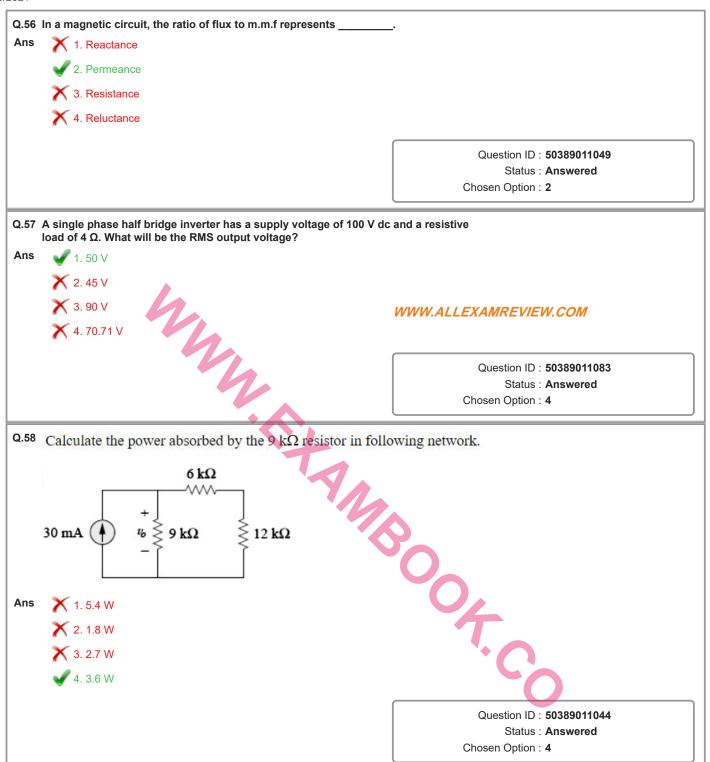
Ans

- X 1. 50 V, 1 A
- X 2. 25 V, 2 A
- X 3. 12.5 V, 4 A
- 4. 20 V, 2.5 A

Question ID: 50389011091

Status: Answered

1. Resistance, capacitance	
2. Inductance, resistance3. Inductance, capacitance4. Capacitance, inductance	WWW.ALLEXAMREVIEW.COM
	Question ID : 50389011098 Status : Answered Chosen Option : 2
Prollowing circuit is	
	Question ID : 50389011088 Status : Answered Chosen Option : 4
n alternator has a per unit impedance of 0.9 p.u. to a base of 20 M u. impedance to the base of 60 MVA and 11 kV will be	VA, 33 kV, Then the
X 4. 32.4	Question ID : 50389011119 Status : Answered Chosen Option : 2
F	Collowing circuit is clipper. R 1. Shunt positive 2. Series positive 3. Series negative 4. Shunt negative 4. Shunt negative 1. Limpedance to the base of 60 MVA and 11 kV will be



Ans X 1.6 \(\Omega\$ 2.4 \tag{2.4	
Status : Answered Chosen Option : 2 Q.60 In a 3-core cable there are capacitances formed. Ans	
Ans	
Question ID: 50389011072 Status: Answered Chosen Option: 2 Q.61 The states that, "The line integral of magnetic field intensity \$\overline{H}\$ around a closed path is exactly is equal to the direct current enclosed by the path." Ans 1. Gauss's law	
Status: Answered Chosen Option: 2 Q.61 The states that, "The line integral of magnetic field intensity \$\overline{H}\$ around a closed path is exactly is equal to the direct current enclosed by the path." Ans 1. Gauss's law	
Ans 1. Gauss's law	
Ans 1. Gauss's law	
WIMIN ALL EXAMPEVIEW COM	
2. Biot-Savart law	
3. Ampere's circuital law 4. Poisson's law	
4. Poisson's law	
Question ID: 50389011057	
Status : Answered Chosen Option : 3	
Q.62 In DC motor, the difference between armature torque and shaft torque is called and is due to	
Ans X 1. Breakaway torque, copper losses	
X 2. Breakaway torque, friction losses	
3. Lost torque, iron and friction losses	
X 4. Lost torque, copper losses	
Question ID : 50389011124 Status : Answered Chosen Option : 4	

Q.63 Which of the following is not a deterministic signal?

Ans

- 2. Exponential wave
- - 3. Cosine wave
- X 4. Sine wave

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Question ID: 50389011060 Status: Answered

Chosen Option: 1

A continuous time signal is said to be periodic if $x(t) = x(t + T_0)$. Here, T_0 is called

Ans

- X 1. Sampling period
- 2. Fundamental period
- 2.1 C3. Starting period4. Dummy period

Question ID: 50389011058 Status: Answered

Chosen Option: 2

Q.65 A single phase half wave controlled rectifier is supplied through a 230 V, 50 Hz supply. What will be the maximum output voltage possible?

Ans

- \times 1. $\frac{230}{2\pi}$
- \times 2. $\frac{230}{\pi}$
- \times 3. $\frac{\sqrt{2} \times 230}{2\pi}$
- \checkmark 4. $\sqrt{2} \times 230$

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Question ID: 50389011084 Status: Answered Chosen Option: 3

Q.66 In case of scaling of vector, let α be the scalar with which the vector is multiplied.

If $\alpha = -1$. It means

Ans

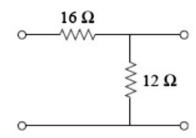
- 1. Magnitude remains same and direction of the vector reverses
- 2. Magnitude becomes zero and direction of the vector reverses
- 3. Magnitude changes and direction of the vector remains same
- X 4. Magnitude and direction of the vector, both remain same

Question ID: 50389011053 Status: Answered

	A 3-phase 4 pole induction motor is supplied f frequency when the rotor runs at 600 rpm.	rom a 50 Hz source. Find the rotor
Ans	X 1. 20 Hz	
	× 2. 25 Hz	
	X 3. 50 Hz	WWW.ALLEXAMREVIEW.COM
	✓ 4. 30 Hz	
	4. 30 112	
		Question ID : 50389011118
		Status : Answered
		Chosen Option : 4
	Dual of Norton's theorem is	
Ans	1. Maximum power transfer theorem	
	2. Thevenin's theorem	
	X 3. Superposition theorem	
	X 4. Millman's theorem	
	h	Question ID : 50389011041
		Status : Answered Chosen Option : 2
Q.69	Calculate the resolution of a 3-digit 0 – 1 V dig	ital voltmeter.
Ans	X 1. 0.1	
	2. 0.001	WWW.ALLEXAMREVIEW.COM
	X 3. 0.01	WWW.ALLEXAMMLEVIEW.COM
	X 4. 0.0001	
		Question ID : 50389011109
		Status : Answered
Q.70	A single-phase transformer has 200 primary a	Status : Answered Chosen Option : 2
	voltage is 100 V, find the secondary voltage.	Status : Answered Chosen Option : 2
Q.70 Ans	voltage is 100 V, find the secondary voltage. 1. 350 V	Status : Answered Chosen Option : 2
	voltage is 100 V, find the secondary voltage. 1. 350 V 2. 700 V	Status : Answered Chosen Option : 2
	voltage is 100 V, find the secondary voltage. 1. 350 V 2. 700 V 3. 28.5 V	Status : Answered Chosen Option : 2
	voltage is 100 V, find the secondary voltage. 1. 350 V 2. 700 V	Status : Answered Chosen Option : 2
	voltage is 100 V, find the secondary voltage. 1. 350 V 2. 700 V 3. 28.5 V	Status : Answered Chosen Option : 2 Ind 700 secondary turns. If the primary
	voltage is 100 V, find the secondary voltage. 1. 350 V 2. 700 V 3. 28.5 V	Status : Answered Chosen Option : 2

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Q.71 Find the value of Z_{11} for the following network.



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Ans

- Χ 1. 12 Ω
- 🗸 2. 28 Ω
- Χ 3.4 Ω
- Χ 4. 16 Ω

Question ID: 50389011045 Status: Answered Chosen Option: 2

Q.72 For a 3-phase semiconverter, if the firing angle for thyristor is 90°, the free-wheeling diode will conduct for a period of ______.

Ans

- X 1. 90°
- 2. 30
- **X** 3. 0°
- X 4. 120°

Question ID : 50389011086 Status : Answered Chosen Option : 3

Q.73

Find the z-transform of $x(n) = \left(\frac{1}{2}\right)^n u(-n)$

Ans

- ✓ 1. $X(Z) = \frac{1}{1-2Z}$
- $X = X(Z) = \frac{1}{Z+2}$
- X 3. $X(Z) = \frac{1}{1+2Z}$
- $X = X(Z) = \frac{1}{Z-2}$

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Question ID : 50389011065 Status : Answered

	The directional element in the reactance relay is so d angle is	esigned that its maximum torque			
Ans	X 1. 60°				
	√ 2. 90°				
	X 3. 0°	WWW.ALLEXAMREVIEW.COM			
	X 4. 120°				
	•				
		Question ID : 50389011074			
		Status : Answered Chosen Option : 1			
		3			
Q.75	A 200 kVA single phase transformer with a voltage ratio of 6600 $$	/660 V has following winding resistances:			
	R_1 = 1.75 Ω and R_2 = 0.015 $\Omega.$				
۸	Find the resistance referred to the high voltage winding.				
Ans	1. 1.90 Ω				
	Χ 2. 16.75 Ω				
	Χ 3. 1.60 Ω				
	4. 3.25 Ω				
	 ★ 2. 16.75 Ω ★ 3. 1.60 Ω ★ 4. 3.25 Ω 	Question ID : 50389011123			
		Status : Answered			
		Chosen Option : 4			
76	The critical point (-1, j0) is mapped to on the	e Nichols chart.			
Ans	1. (1 dB, 0°)				
	× 2. (1 dB, 180°)				
	X 3. (0 dB, 0°)				
	✓ 4. (0 dB, - 180°)				
	4. (0 db, - 100)				
		Question ID : 50389011102			
		Status : Answered			
		Chosen Option: 4			
Q.77	In wire-wound standard resistor, the bifilar winding is	s adopted to reduce			
Ans	1. Self-inductive effect				
	· ·				
	2. Aging effect				
	X 3. Stray capacitance				
	X 4. Skin effect				
		Question ID : 50389011111			
		Status : Answered			

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Q.78 Which of the following is NOT a VALID advantage of shell type transformer over core type transformer? Ans 1. Maintenance is easy 2. Copper requirement is less WWW.ALLEXAMREVIEW.COM 3. Losses are less 4. Mechanical strength is high Question ID: 50389011114 Status: Answered Chosen Option: 4 Q.79 In an oil circuit breaker, due to heat the oil decomposes and the gases are liberated. Which of the following gas is usually NOT liberated in this process? Ans nh Question ID: 50389011076 Status: Answered Chosen Option: 2 Q.80 Which of the following operation of the discrete time system is NOT memoryless? Ans 1. Constant multiplier 2. Unit delay WWW.ALLEXAMREVIEW.COM 3. Adder X 4. Signal multiplier Question ID: 50389011062 Status: Answered Chosen Option: 2 Q.81 Which of the following is not a VALID advantage of digital filters over analog filters? Ans 1. Higher bandwidth 2. Linear phase response 3. Higher flexibility 4. Less maintenance Question ID: 50389011066 Status: Answered Chosen Option: 2

	A 220 V DC shunt motor runs at 630 rpm what speed if the torque is doubled. Assume arm	
Ans	X 1. 630 rpm	
	× 2. 315 rpm	
	X 3. 157 rpm	
	✓ 4. 600 rpm	
		Question ID: 50389011117
		Status : Answered
		Chosen Option : 4
2.83	In a coal based thermal power plant, electro	ostatic precipitator is required for:
Ans	🔀 1. Coal handling	
	X 2. Coal preparation	
	3. Ash handling	WWW.ALLEXAMREVIEW.COM
	× 4. Coal firing	
	in odd ming	
		Question ID: 50389011068
		Status : Answered
	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win	OC generator, state whether the following
	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave windings are the efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE	OC generator, state whether the following is used for high current, low voltage
	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave windings and 1. FALSE, FALSE	OC generator, state whether the following nding is used for high current, low voltage is higher as compared to lap winding
	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave windings are the efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE	OC generator, state whether the following is used for high current, low voltage
	With reference to wave windings used for E statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE	OC generator, state whether the following inding is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM
	With reference to wave windings used for E statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122
	With reference to wave windings used for E statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE	OC generator, state whether the following nding is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered
	With reference to wave windings used for E statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122
Ans	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has V _{TH} = 20 V and R _{TH} = 20 Ω. Fin	OC generator, state whether the following nding is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered
Ans Q.85	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has $V_{TH} = 20 \text{ V}$ and $R_{TH} = 20 \Omega$. Fin Ω .	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered Chosen Option: 3
Ans	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has V _{TH} = 20 V and R _{TH} = 20 Ω. Fin Ω.	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered Chosen Option: 3
Ans	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has V _{TH} = 20 V and R _{TH} = 20 Ω. Fin Ω. 1. 4 W 2. 5 W	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered Chosen Option: 3
Ans Ω.85	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has V _{TH} = 20 V and R _{TH} = 20 Ω. Fin Ω. 1. 4 W 2. 5 W 3. 8 W	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered Chosen Option: 3
Ans Q.85	With reference to wave windings used for D statements are TRUE or FALSE.1. Wave win machines2. The efficiency of wave winding 1. FALSE, FALSE 2. TRUE, TRUE 3. FALSE, TRUE 4. TRUE, FALSE A Thevenin's circuit has V _{TH} = 20 V and R _{TH} = 20 Ω. Fin Ω. 1. 4 W 2. 5 W	OC generator, state whether the following is used for high current, low voltage is higher as compared to lap winding WWW.ALLEXAMREVIEW.COM Question ID: 50389011122 Status: Answered Chosen Option: 3
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