



Junior Engineer Civil Mechnical and Electrical 2018 Paper I

Roll No.	
Registration No.	
Name	
Test Venue	
Test Time	10:00 AM - 12:00 PM
Test Date	26/09/2019
Subject	Junior Engineer 2018 Electrical

Q.1	If 'A' stands for 'division', B stands for 'multiplication', C stands for 'subtraction' and D stands for 'addition', then what is the value of the following equation?		
	(109 C 11) D 156 A 39 B 3 (4 D 1) C 27 = ?		
Ans	ns 🗙 1.145		
	2. 141		
	3 . 131		
	4. 135		
	Qu	estion ID : 5581011285 Status : Answered	
	Chose	n Option : 3	
Q.2	.2 Select the term that can replace the question mark (?) in the following series.		
_	CARDS, DARDS, DBSDS, DBSES, ?		
Ans			
	2. DBSET		
	X 3. DBTES		
	X 4. DBEST		
	Qui	estion ID : 5581011251	
		Status : Answered	
	Chose	n Option : 3	
Q.3	.3 Select the option in which the words share the same relationship as that shared by the given pair of words.		
	Tonsillitis : throat		
Ans	ns 🗙 1. Goitre : intestine		
	🖌 2. Polio : leg		
	X 3. Knee : joints		
	🗙 4. Blood: Anaemia		
	Qu	estion ID : 5581011261	
	Chose	Status : Answered n Option : 2	

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	pair of words.	
	Escalate : soar	
Ans	X 1. Time : minute	
	2. Anger : jealousy	
	3. Dubious : uncertain	
	X 4. Heavy : truck	
	4. Heavy . Huck	
		Question ID : 5581011259
		Status : Answered
		Chosen Option : 3
) .5	Select the option that is related to the third number in the same way as t is related to the first number.	he second number
	16 : 64 :: 36 : ?	
ns	🗙 1. 210	
	X 2. 226	
	3 . 216	
	X 4. 244	
		Question ID : 5581011282 Status : Answered
		Chosen Option : 3
		·
). 6	'Year' is related to 'month' in the same way as 'week' is related to '	<u></u> .
ns	X 1. weekend	
	🖌 2. day	
	X 3. sunday	
	X 4. festival	
		Question ID : 5581011256 Status : Answered
		Chosen Option : 2
2.7	Select the letter-cluster that can replace the question mark (?) in the fol	lowing series.
	TZL, WCO, ZFR, CIU, ?	
ns	🗙 1. FKX	
	X 2. GLX	
	🗙 3. GLY	
	🗙 3. GLY	
	🗙 3. GLY	Question ID : 5581011250
	🗙 3. GLY	Question ID : 5581011250 Status : Answered Chosen Option : 4
	🗙 3. GLY	Status : Answered
2.8	 3. GLY 4. FLX Pointing to the photograph of a man, Pranjal said, 'He is my father's brot	Status : Answered Chosen Option : 4
2.8	X 3. GLY 4. FLX	Status : Answered Chosen Option : 4





		Question ID : 5581011273 Status : Not Answered
		Chosen Option :
.9	Select the number that can replace the question mark (?) in the follow	ving series.
	32, 39, 53, 74, ?	
ns	X 1.105	
	2. 104	
	X 3. 103	
	 ✓ 4. 102 	
		Question ID : 5581011277
		Status : Answered
		Chosen Option : 4
.10	In a coffee shop, a total of 58 customers came throughout the day. 30	o of them ordered
	coffee and 32 of them ordered pizza. How many customers ordered b	
Ans	1.12	
	2.8	
	3 . 10	
	X 4.14	
		Question ID : 5581011288
		Status : Answered
		Chosen Option : 3
.11	Select the correct alternative to indicate the arrangement of the follo	wing words in a logical
	and meaningful order.	
	1. Filtration and boiling 2. Cooling and solidifying	
	3. Sugarcane production	
	4. Jaggery making 5. Juice extraction	
ns	🗙 1. 1, 3, 2, 5, 4	
	🗙 2. 3, 4, 5, 2, 1	
	🗙 3. 3, 5, 2, 4, 1	
	4. 3, 5, 1, 2, 4	
		Question ID : 5581011252 Status : Answered
		Chosen Option : 4
	Which two signs and two numbers should be interchanged to make th correct?	ne given equation
	$57 + 4 \times 17 - 11 \div 19 = 44$	
	57 + 4 × 17 − 11 ÷ 19 = 44 1. 4 and 19, + and ÷	





🗙 4. 4 and 57, + and ÷	
	Question ID : 5581011286 Status : Not Answered Chosen Option :
.13 Kelvin and Kartik are sitting with their backs towards each other. A the shadow of Kartik falls exactly to his right side, then which direct	
Ins vine shadow of Kartik rails exactly to his right side, then which directions of the shadow of Kartik rails exactly to his right side, then which direction of the shadow of Kartik rails exactly to his right side, then which direction of the shadow of Kartik rails exactly to his right side, then which direction of the shadow of Kartik rails exactly to his right side, then which direction of the shadow of Kartik rails exactly to his right side, then which direction of the shadow of the	
X 2. East	
X 3. West	
🗙 4. North	
	Question ID : 5581011271 Status : Answered
	Chosen Option : 2
the statements to be true, even if they seem to be at variance with decide which of the conclusions logically follow(s) from the staten Statements: All liquids are solids. All gases are solids. Conclusions:	
I. Some solids are liquids. II. Some liquids are gases. III. No liquid is gas.	
I. Conclusion I and either conclusion II or III follow.	
2. Only conclusions I and II follow.	
 3. Only conclusions I and III follow. 4. Conclusion II and either conclusion I or III follow. 	
	Question ID : 5581011269 Status : Answered
	Chosen Option : 3
.15 Select the correct alternative to indicate the arrangement of the fo and meaningful order.	llowing words in a logical
1. Delhi 2. Red Fort 3. World 4. Asia	
5. India	
ns	
X 2. 3, 4, 5, 2, 1	
🗙 3. 2, 1, 5, 3, 4	
X 4. 1, 2, 5, 4, 3	
	• • • • • • • • • • • • • • • • • • •
	Question ID : 5581011253 Status : Answered

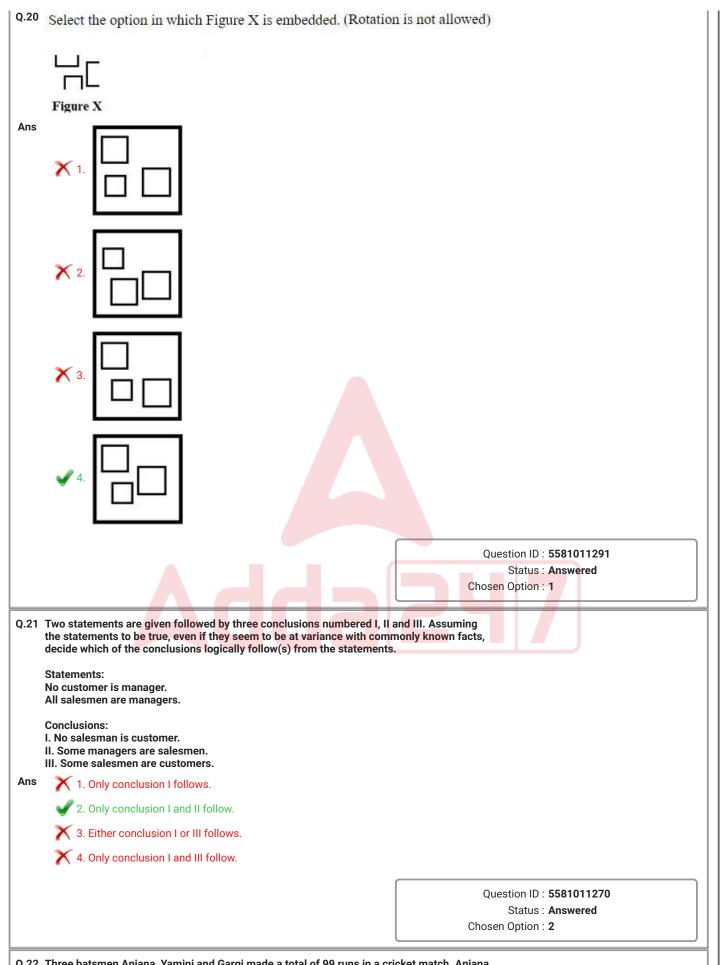




WC, CT, E, G, G, S, 1 Nas 1. N 2. L 3. M 4. K Question ID: 5581011246 Status: Answered Choisen Option: 1 2: 312 :: 10: 7 Nas 1: 220 2: 230 3: 218 4: 225 Question ID: 5581011281 Status: Not Answered Choisen Option: Nas 4: 225 Question ID: 5581011281 Status: Not Answered Choisen Option: Nas 4: 225 Question ID: 5581011281 Status: Not Answered Choisen Option: Nas 4: 225 Nas 2: 1. University of the following combination of words is best represented by the given Venn diagram? Mas 1: 1. University of the following combination of words is best represented by the given Venn diagram? Nas 1: 1. Females, Mothers, Males 2: 2. Shute: Answered Choisen Option: 1 Cuestion ID: 5581011263 Status: Answered Choisen Option: 2 Cuestion ID: 5581011265 Status: Answered Choise	2.16 \$	Select the letter that can replace the question mark (?) in the following the following the second	ng series.
 2.1 3.3.4 3.4.8 A K Question ID : 5581011248 Status : Answered Chosen Option : 1 12:312:10:7 12:312:10:7 12:20 12:32:10:7 12:20 12:32:10:7 1:220 12:32:10:7 1:220 1:230 1:220 1:230 1:220 1:230 1:220 1:230 1:220 1:230 1:220 1:230 1:220 1:230 1:230 1.0whf 2:27b/ 3.10e 1.0whf 2:27b/ 3.10e 0.0wef Do DO			
 A.M A.K Question ID: 5581011248 Status: Answered Chosen Option: 1 Select the option that is related to the third number in the same way as the second number is related to the first number. 12: 312: 10: ? 1.20 2.230 3.218 4.225 Question ID: 5581011281 Status: Not Answered Chosen Option: Select the option that is related to the third letter-cluster in the same way as the second Inter-cluster is related to the third letter-cluster in the same way as the second Inter-cluster is related to the third letter-cluster in the same way as the second Inter-cluster is related to the third letter-cluster in the same way as the second Inter-cluster is related to the first letter-cluster. KeTU: NdW:: Rtlc: ? Number 2. Table 3. Tyle 4. UWME 4. UWME Multich of the following combination of words is best represented by the given Venn diagram? Which of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? 	Ins		
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Status: Answered Chosen Option: 1 17 Select the option that is related to the third number in the same way as the second number is related to the first number. 12:312:10:7 13:20 2:230 3:318 4:25 Question ID: 5581011281 Status: Not Answered Chosen Option: + 3:3 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. KaTu: NdWx:: RLb: ? 1:0000 2:2.1M 3:3.10 4:0000 4:0000 2:2.1M 3:3.10 1:0000 2:2.1M 3:3.10 1:0000 2:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:3.10 3:4.1 4:0000 3:5.10 1:1 1:1 1:1 1:1 1:1 1:1 </th <th></th> <th>🗙 4. К</th> <th></th>		🗙 4. К	
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17 Select the option that is related to the third number in the same way as the second number is related to the first number. 12:312:10:? 1.220 1.2:312:10:? 1.220 1.2:32 2.230 3.3:18 4.226 Question ID: 5581011281 Status: Not Answered Chosen Option : Status: Not Answered Chosen Option : A 1.226 Question ID: 5581011281 Status: Not Answered Chosen Option : Status: Not Answered Chosen Option : A 1.0WMF 2.12NF 3. Tyte 3. Tyte Question ID: 5581011263 Status: Answered Chosen Option: 1 Inter Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is best represented by the given Venn diagram? Multich of the following combination of words is bes			
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 ins 1, 220 2, 230 3, 218 4, 226 Question ID: 5581011281 Status : Not Answered Chosen Option : 15 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster is related to			as the second number
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letter-cluster is related to the first letter-cluster. KaTu : NdWx :: RLsc :? ins 1. UwMf 2. T2Nf 3. TvLe 4. UwME Question ID: 5581011263 Status : Answered Chosen Option : 1 1.19 Which of the following combination of words is best represented by the given Venn diagram? Image: Mothers, Males 2. Educated, Doctors, Males 3. Wheat, Fruits, Food 4. Engineers, Doctors, Lawyers Question ID: 5581011295 Status : Answered			
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 19 Which of the following combination of words is best represented by the given Venn diagram? Ims X 1. Females, Mothers, Males ✓ 2. Educated, Doctors, Males X 3. Wheat, Fruits, Food X 4. Engineers, Doctors, Lawyers Question ID: 5581011295 Status : Answered	I	letter-cluster is related to the first letter-cluster. KaTu : NdWx :: RtJc : ? 1. UwMf 2. TzNf 3. TvLe	way as the second
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Question ID : 5581011295 Status : Answered	 	Alter-cluster is related to the first letter-cluster.	Question ID : 5581011263 Status : Answered Chosen Option : 1
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Q.22 Three batsmen Anjana, Yamini and Gargi made a total of 99 runs in a cricket match. Anjana made runs equal to one third of the runs made by Gargi. Gargi made just double the number

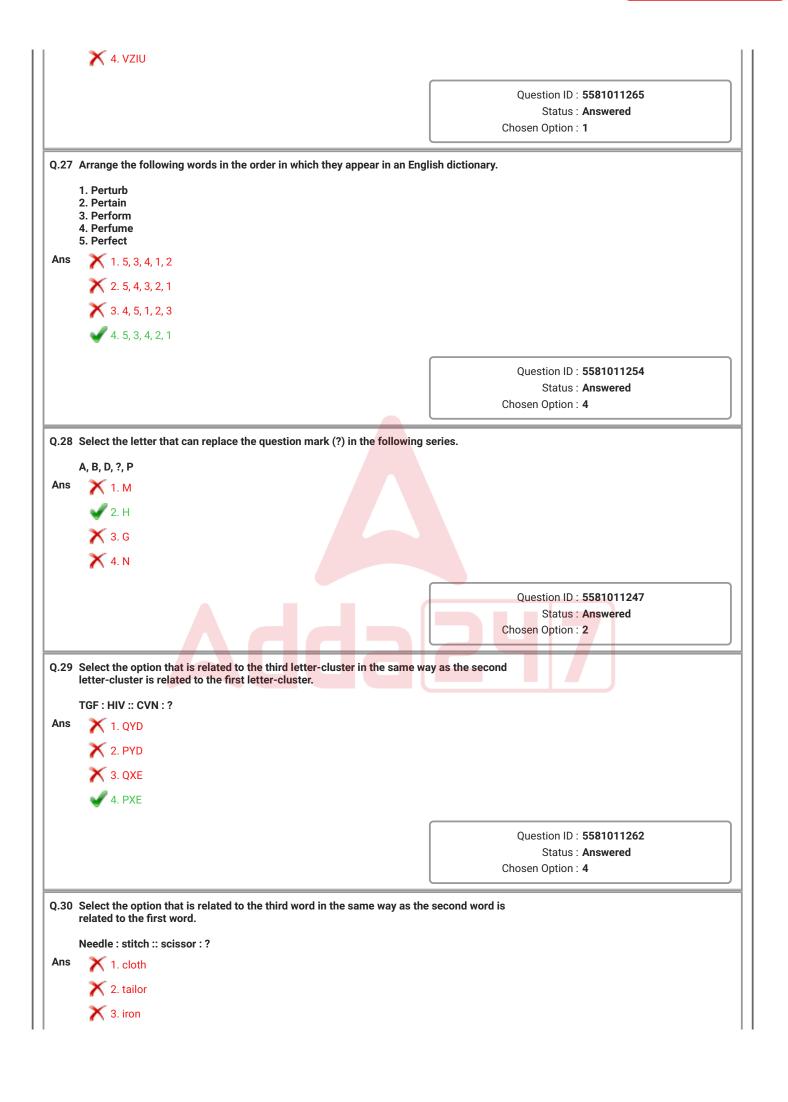




	× 1.33 × 2.27	
	3 . 18	
	4. 45	
	•	
		Question ID : 5581011287 Status : Answered
		Chosen Option : 3
23	Select the set in which the numbers are related in the same following set.	way as are the numbers in the
	15, 240, 270	
ns	🗙 1. 10, 110, 135	
	🗙 2. 12, 126, 252	
	✔ 3. 11, 132, 154	
	4. 8, 72, 80	
		Question ID : 5581011283 Status : Answered Chosen Option : 3
24	In a code language, 'TOAST' is written as 'WLXVW'. How will	'RAISE' be written in that
	language?	
ns	✓ 1. UXFVB	
	2. UXFWB	
	X 3. TXGVC	
		Question ID : 5581011266 Status : Answered Chosen Option : 1
25	Select the numbers that can replace the question marks (?)	in the following series.
	22, 25, 19, 28, 16, 31, ?, ?	
ns	✔ 1. 13, 34	
	🗙 2. 15, 35	
	🗙 3. 12, 32	
	X 4. 14, 33	
		Question ID : 5581011278
		Status : Answered
		Chosen Option : 1
26	In a code language, 'COST' is written as 'XLHG'. How will 'DA	
26 ns	In a code language, 'COST' is written as 'XLHG'. How will 'DA	











		Question ID : 5581011257
		Status : Answered
		Chosen Option : 4
	Six friends are standing in a line facing north. Kamayani is at one of the immediate left of Preeti. Sakshi is to the immediate right of Kam between Preeti and Lakshika. Who is standing between Preeti and S	ayani. Shivani is
13	X 1. Shivani	
	2. Lakshika or Shivani	
	✓ 3. Aanchal	
	🗙 4. Aanchal or Lakshika	
		Question ID : 5581011276 Status : Not Answered Chosen Option :
.32	Select the letter-cluster that can replace the question mark (?) in the	e following series.
	JQO, MRR, PSU, ?, VUA	
Ans	✓ 1. STX	
	2. RTX	
	X 3. SSY	
	4 . STY	
		Question ID : 5581011249 Status : Answered Chosen Option : 1
).33 Ans	If in a code language, TOY = 60, then what is the code for 'BLUE' in	he same language?
	X 4. 38	
		Question ID : 5581011267 Status : Answered Chosen Option : 4
2.34	Find the missing number from among the below	options.
	54 80 94	
	36 46 30	
	45 63 ?	
Ans	× 1. 68	
	X 2. 64	
	∑ 3. 66	

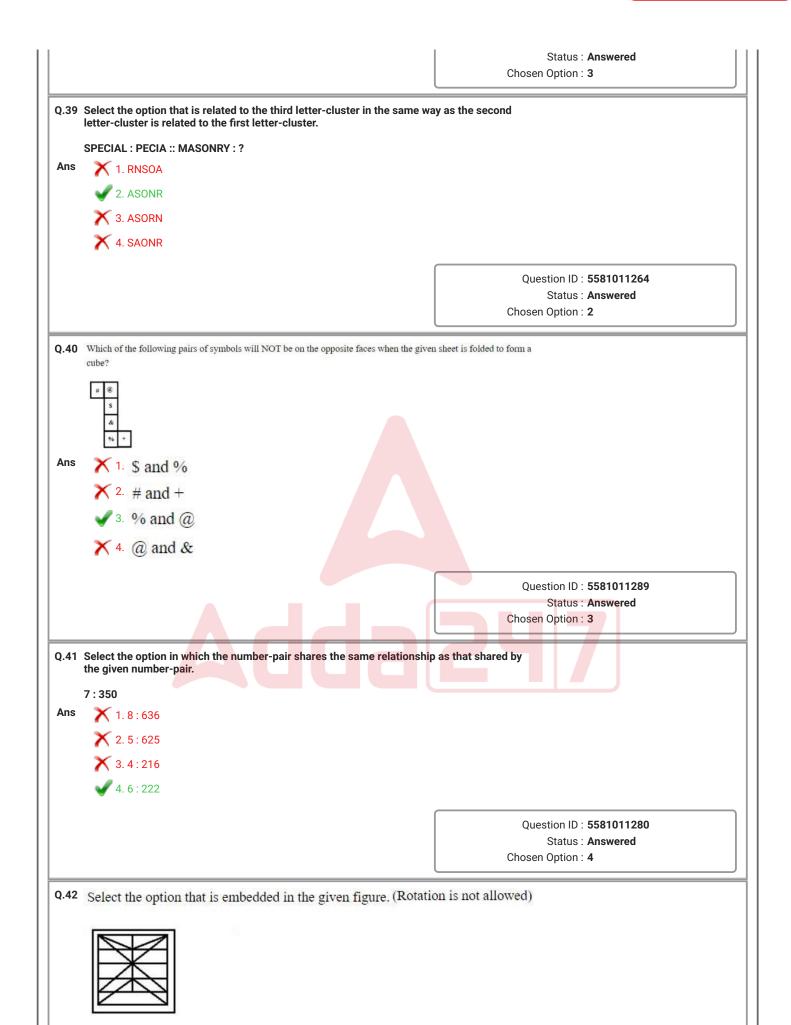




	 ✓ 4. 62 	
		Question ID : 5581011284 Status : Not Answered Chosen Option :
.35 .ns	'Gujarat' is related to 'west' in the same way as 'Tamil Nadu' is related X 1. India	to ''.
	🗙 2. Chennai	
	🗙 3. east	
	🖌 4. south	
		Question ID : 5581011258 Status : Answered Chosen Option : 4
.36	Select the option in which the words share the same relationship as the pair of words.	at shared by the given
	Country : border	
ns	1. Square : rectangle	
	🗙 2. Road : highway	
	🗙 3. Ship : sail	
	✓ 4. Sea : coastline	
		Question ID : 5581011260
		Status : Answered
		Chosen Option : 4
2.37	Select the correct mirror image of the given letter cluster when a mirror is	placed on its right side.
	TRBMNQ	
Ans	Т Я В И И Я Т	
	L K B W N Q 2 X	
	TRBMNQ E 💊	
	T R B M N 6 + 🗙	
		Question ID : 5581011293
		Status : Answered Chosen Option : 3
2.38	Select the letter that can replace the question mark (?) in the following	series.
	72, 119, ?, 261, 362, 487	
Ans	🗙 1. 180	
	2. 189	
	🗙 3. 178	
	 ▲ 3.178 ✓ 4.181 	

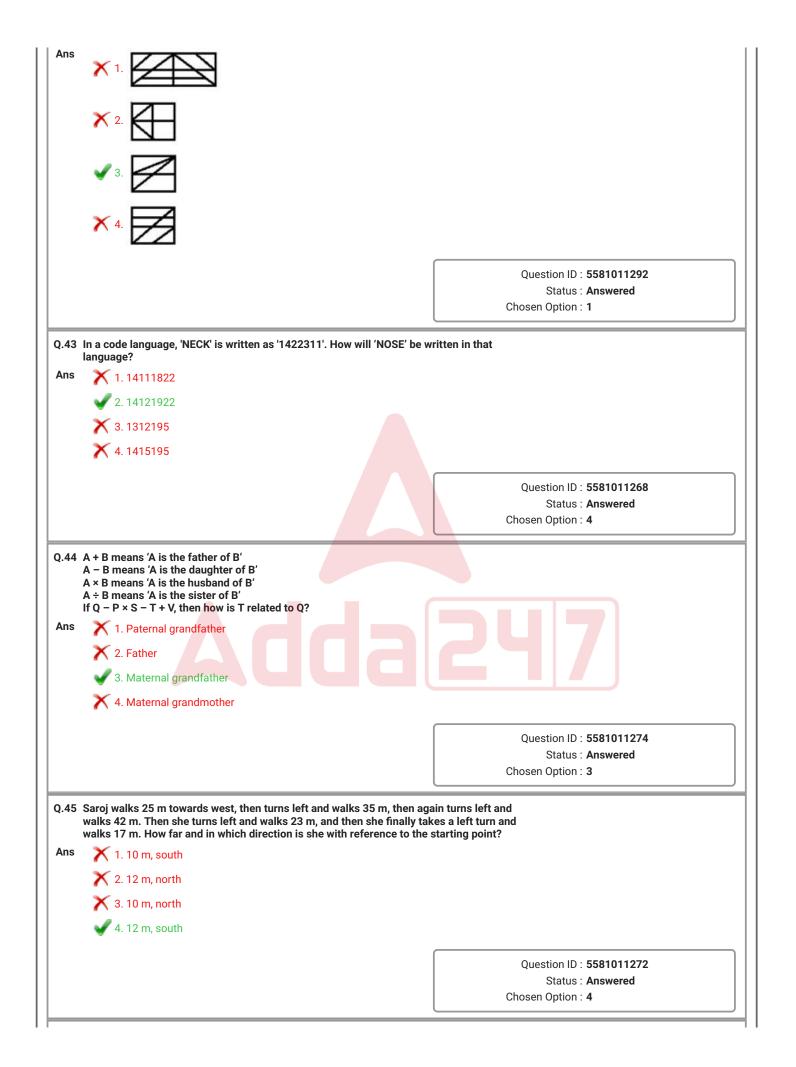






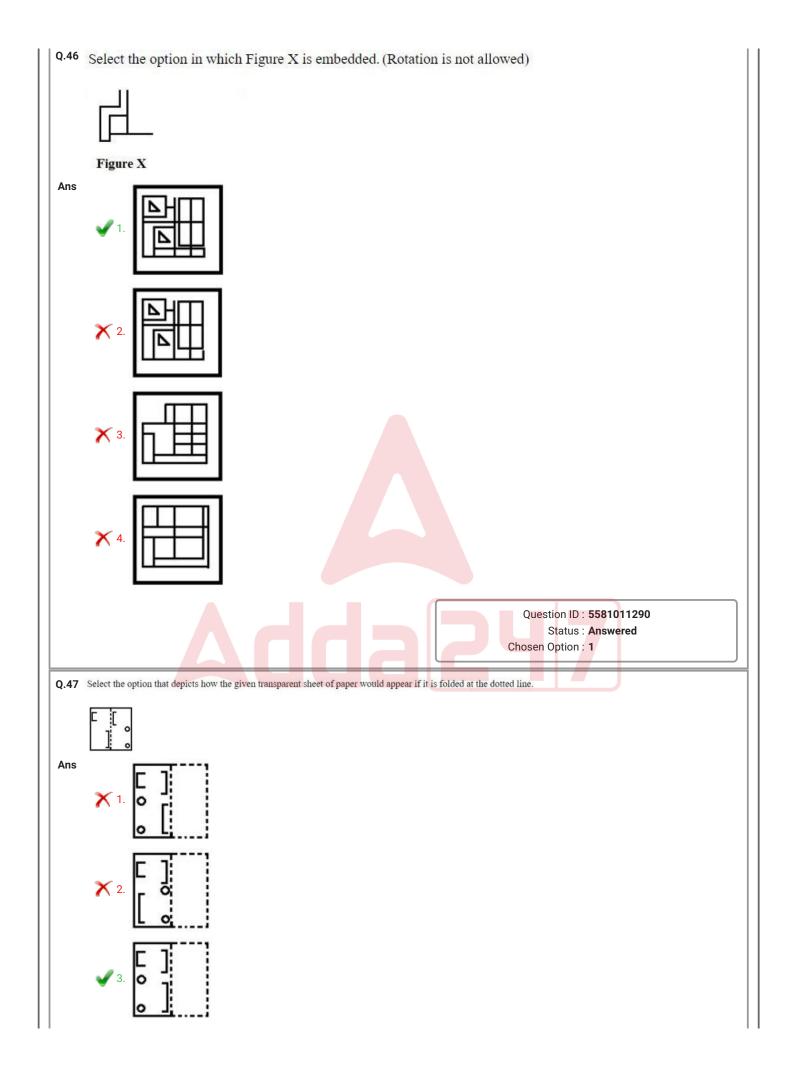






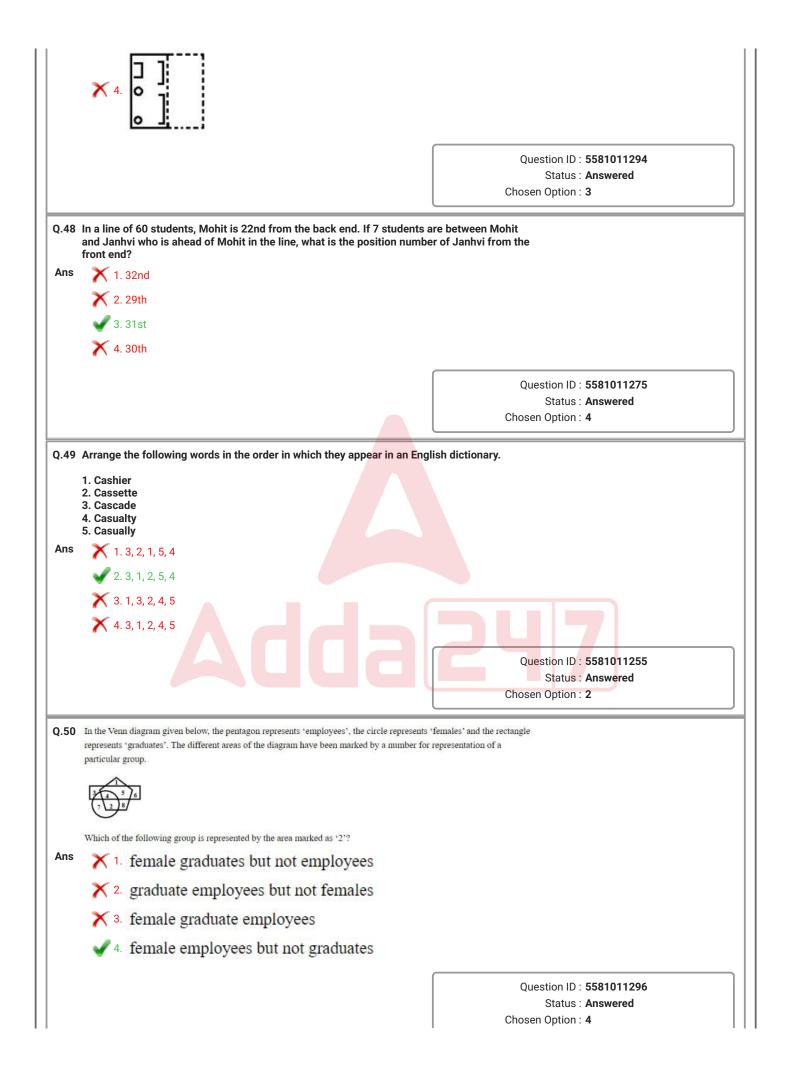
















		(
ectic	m : General Awareness	
	'Proboscis' with reference to an elephant is its	
Ans	1. legs	
	2. head	
	3. trunk	
	X 4. tusks	
		Question ID : 5581011210
		Status : Not Answered Chosen Option :
Q.2 Ans	Which of the following is NOT a computer language?	
4115	X 1. SQL	
	 ✓ 2. DTH 	
	X 3. FORTRAN	
	X 4. Pascal	
		Question ID : 5581011197
		Status : Answered
		Chosen Option : 2
Q.3	2019 happens to be the 150th year of which famous science journal/	magazine?
Ans	1. New Scientist	
	V 2. Nature	
	X 3. Scientific American	
	X 4. Euro Scientist	
		Question ID : 5581011225 Status : Not Answered
		Chosen Option :
ר 4	The Haier Group Corporation is a based producer of consumer	electronics
Ans a	✓ 1. China	
	X 2. North Korea	
	3. Germany	
	4. Singapore	
		Question ID : 5581011205
		Status : Answered Chosen Option : 1
		Status : Answered Chosen Option : 1
Q.5	During the reign of Kanishka, which of the following places was chos fourth Buddhist Council?	Chosen Option : 1
Q.5 Ans	During the reign of Kanishka, which of the following places was chos fourth Buddhist Council?	Chosen Option : 1
	fourth Buddhist Council?	Chosen Option : 1





	X 3. Tamil V 4. Telugu	
		Question ID : 5581011235 Status : Answered
		Chosen Option : 4
.8 V	Which of following species are recognised as endangered species in In	dia?
ıs	🗙 1. Himalayan brown bear	
	X 2. desert fox	
	✓ 3. lion tailed macaque	
	4. wild Asiatic buffalo	
		Question ID : 5581011232
		Status : Answered
		Chosen Option : 3

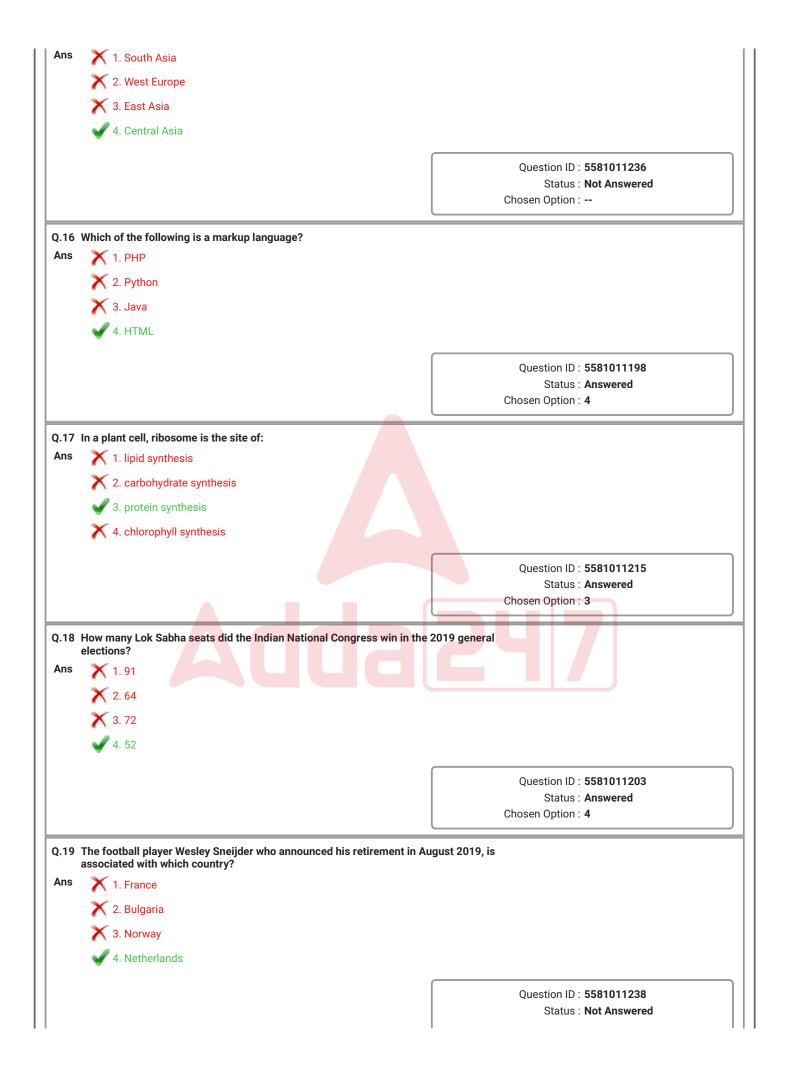




		Question ID : 5581011230 Status : Answered
		Chosen Option : 3
	dam is located over the Kaveri River in Tamil Nadu.	
Ans	🗙 1. GB Pant Sagar	
	2. Mettur	
	X 3. Tilaiya	
	🗙 4. Sardar Sarovar	
		Question ID : 5581011228
		Status : Answered
		Chosen Option : 2
	The first-ever motion to remove a Chief Justice of a High Court of Inc year	dia was initiated in the
Ans	X 1. 1994	
	2. 1991	
	X 3. 1996	
	4. 2000	
		Question ID : 5581011243 Status : Not Answered
		Chosen Option :
0.13	Who among the following coined the term 'cell'?	
Ans	1. Gerhard Domagk	
	2. Robert Hooke	
	X 3. Theodor Schwann	
	4. Oswald Avery	
		Question ID : 5581011209 Status : Answered
		Chosen Option : 2
2.14	Which metal is used as a shield in a nuclear reactor?	
Ans	🗙 1. Manganese	
	X 2. Cobalt	
	🗙 3. Uranium	
	🖌 4. Lead	
		Question ID : 5581011208
		Status : Answered
		Chosen Option : 4







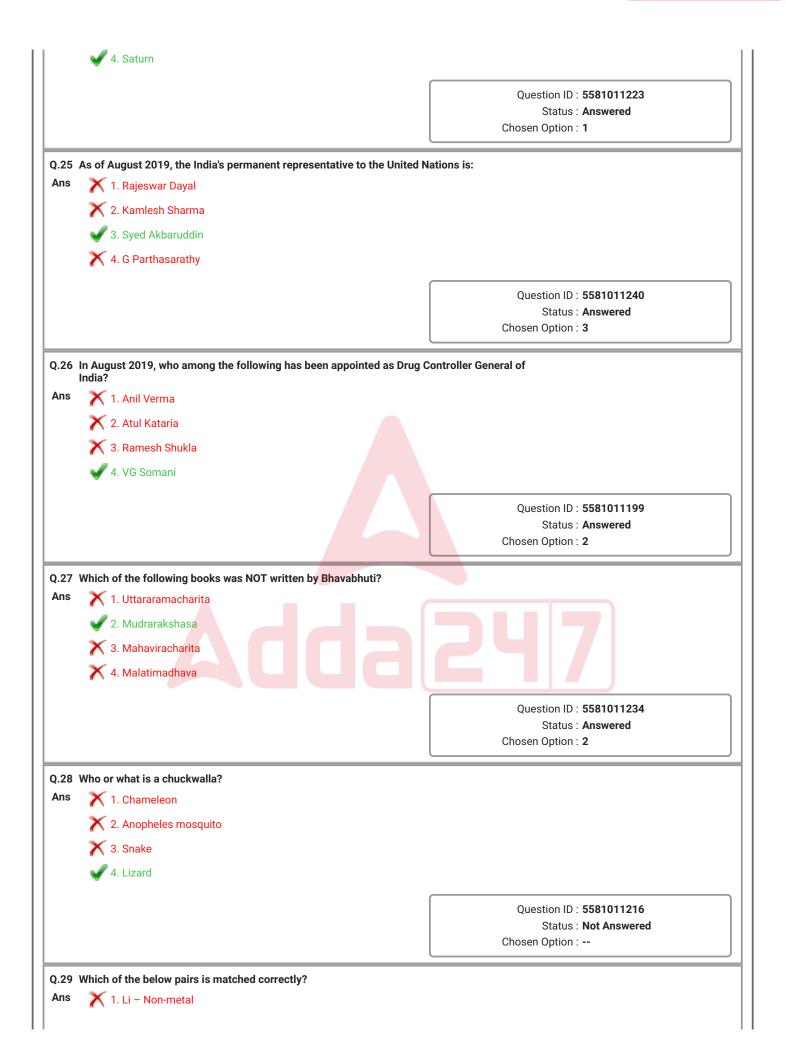




		Chosen Option :
Q.20	In August 2019, the Indian Navy conducted the 14th edition of the b bilateral exercises with	CONKAN series of annual
Ans	✓ 1. Britain	
	X 2. France	
	X 3. Indonesia	
	X 4. China	
		Question ID : 5581011200 Status : Answered
		Chosen Option : 2
Q.21	To whom did Rabindranath Tagore dedicate his collection of essays	s in science, 'Visva
	Parichay'?	
Ans	X 1. Prof M N Saha	
	2. Prof Sisir Kumar Mitra	
	3. Prof Satyendra N Bose	
	X 4. Prof P C Roy	
		Question ID : 5581011214
		Status : Not Answered
		Chosen Option :
Ans	 1. Lithosphere 2. Biosphere 3. Troposphere 	
	X 4. Hydrosphere	
		Question ID : 5581011222
		Status : Answered Chosen Option : 1
	Who published the first recognisable Periodic Table?	
Ans	🗙 1. Amadeo Carlos Avagadro	
	✔ 2. Dmitri Mendeleev	
	🗙 3. John Dalton	
	🗙 4. Wolfgang Pauli	
		Question ID : 5581011221
		Status : Answered
		Chosen Option : 2
Q.24	Hyperion is the name of one of the moons of	
Q.24 Ans	X 1. Jupiter	











	🗙 4. Si - Metal	
	A. SI - Metal	
		Question ID : 5581011218
		Status : Answered
		Chosen Option : 3
.30 I	In August 2019 which of the following states released the World Biofuel Day?	e biofuel policy 2019, on the eve of
ns N	1. Maharashtra	
	2. Bihar	
	 ✓ 3. Rajasthan 	
	-	
	🗙 4. Odisha	
		Question ID : 5581011201
		Status : Not Answered
		Chosen Option :
.31 \	Which of the following has the nickname Daddy long-legs	\$?
ns	🗙 1. Ostrich	
	🗙 2. Camel	
	✓ 3. Cellar spider	
	4. Grasshopper	
		Question ID : 5581011217
		Status : Answered Chosen Option : 2
		Chosen Option . 2
1.32 (On which day was the 5 <mark>0th anniversary of Ap</mark> ollo-11 moo	n landing celebrated in 2019?
Ans	X 1. 18th July	
	X 2. 28th July	
	3 . 20th July	
	× 4. 10th July	
		Question ID : 5581011204
		Status : Answered Chosen Option : 1
.33 \	Who was defeated by Prakash Padukone at the 1980 All F	England Badminton Championship
F Ans	Final? X 1. Tan Joe Hok	
	X 2. Svend Pri	
	X 3. Rudy Hartono	
	👽 4. Liem Swei King	
		Question ID : 5581011245





	 1. Bihar 2. Odisha 	
	X 3. Uttarakhand	
	X 4. Madhya Pradesh	
		Question ID : 5581011244 Status : Answered
		Chosen Option : 1
1 25	Which of the following is NOT a subject under the Conc	ourrent Lict of the Constitution of
	India?	
Ans	X 1. Adulteration	
	✔ 2. Public Health	
	X 3. Bankruptcy and insolvency	
	🗙 4. Trade Unions	
		Question ID : 5581011242
		Status : Answered
		Chosen Option : 3
Q.36 Ans	The Safavid dynasty ruled from modern day	
	2. Iran	
	X 3. Italy	
	🗙 4. Saudi Arabia	
		Question ID : 5581011237
		Status : Not Answered Chosen Option :
	In which year did India reach the final of Davis Cup but against the South African government's apartheid polic	
	X 1. 1972	,IE2:
	▲ Z. 198Z	
	× 2. 1982 × 3. 1968	
	X 3. 1968	
Ans		
	X 3. 1968	Question ID : 5581011246
	X 3. 1968	Status : Not Answered
	X 3. 1968	
Ans Q.38	 3. 1968 4. 1974 'The Taste of India' is the brand slogan of 	Status : Not Answered
Ans Q.38	 3. 1968 4. 1974 'The Taste of India' is the brand slogan of 1. Rasna 	Status : Not Answered
Ans Q.38	 3. 1968 4. 1974 'The Taste of India' is the brand slogan of 1. Rasna 2. Dairy Milk 	Status : Not Answered
Ans Q.38	 3. 1968 4. 1974 'The Taste of India' is the brand slogan of 1. Rasna 2. Dairy Milk 3. Amul 	Status : Not Answered
Ans	 3. 1968 4. 1974 'The Taste of India' is the brand slogan of 1. Rasna 2. Dairy Milk 	Status : Not Answered





		Status : Answered Chosen Option : 3		
Q.39	On which date is National Science Day observed in India?			
Ans	X 1. 22nd December			
	✔ 2. 28th February			
	🗙 3. 8th March			
	🗙 4. 15th September			
		Question ID : 5581011224 Status : Answered		
		Chosen Option : 2		
Q.40 Ans	Gregor Mendel's basic Law of Heredity is based on his work on which ve	egetable?		
	🗙 2. Asparagus			
	X 3. Beans			
	4. Corn			
		Question ID : 5581011219 Status : Answered		
		Chosen Option : 1		
).41 Ans	Rajrappa is the location of a Shaktipeeth as well as the confluence of th and Vera. Which state is it located in? 1. Odisha 2. Jharkhand	e rivers Damodar		
	X 3. Bihar			
	X 4. West Bengal			
		Question ID : 5581011226 Status : Answered Chosen Option : 1		
2.42	In July 2019, who among the following was appointed as the new brand ambassador of fitness and lifestyle brand Reebok?			
Ans	1. Ranbir Singh			
	X 2. Hritik Roshan			
	X 3. Vicky Kaushal			
	 4. Varun Dhawan 			
		Question ID : 5581011239		
		Status : Answered Chosen Option : 4		
	In NASA parlance, what is 'EVA'?			
Ans	 1. Spacewalk 5. a 			
	 2. Zero gravity 3. Parking orbit 			

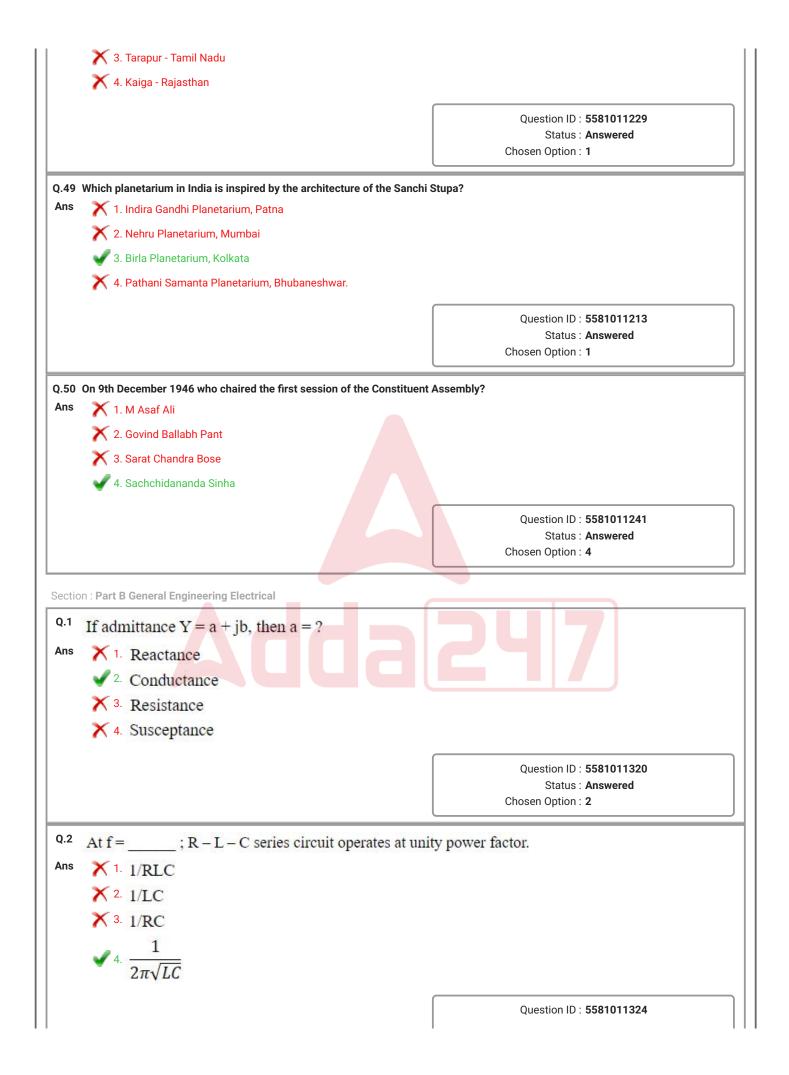




		Question ID : 5581011212 Status : Answered Chosen Option : 4
44	The famous Jog Falls is in	
IS	✔ 1. Karnataka	
	🗙 2. Telangana	
	🗙 3. Sikkim	
	🗙 4. Goa	
		Question ID : 5581011231 Status : Answered Chosen Option : 1
.45	The headquarters of the Tea Board of India is located at	
ns	🗙 1. Chennai	
	🗸 2. Kolkata	
	🗙 3. Munnar	
	🗙 4. Guwahati	
		Question ID : 5581011207 Status : Answered Chosen Option : 4
.46	Which of the following chemical processes is used to harden rubber?	
ns	X 1. Vaporisation	
	 2. Vulcanisation 3. Valorisation 4. Volatilisation 	Question ID : 5581011211
		Status : Answered Chosen Option : 2
47	Which of the following was the first Indian station on the Antarctica?	
ns	✔ 1. Dakshin Gangotri	
	🗙 2. Paschim Gangotri	
	🗙 3. Uttar Gangotri	
	🗙 4. Purva Gangotri	
		Question ID : 5581011227 Status : Answered
		Chosen Option : 1

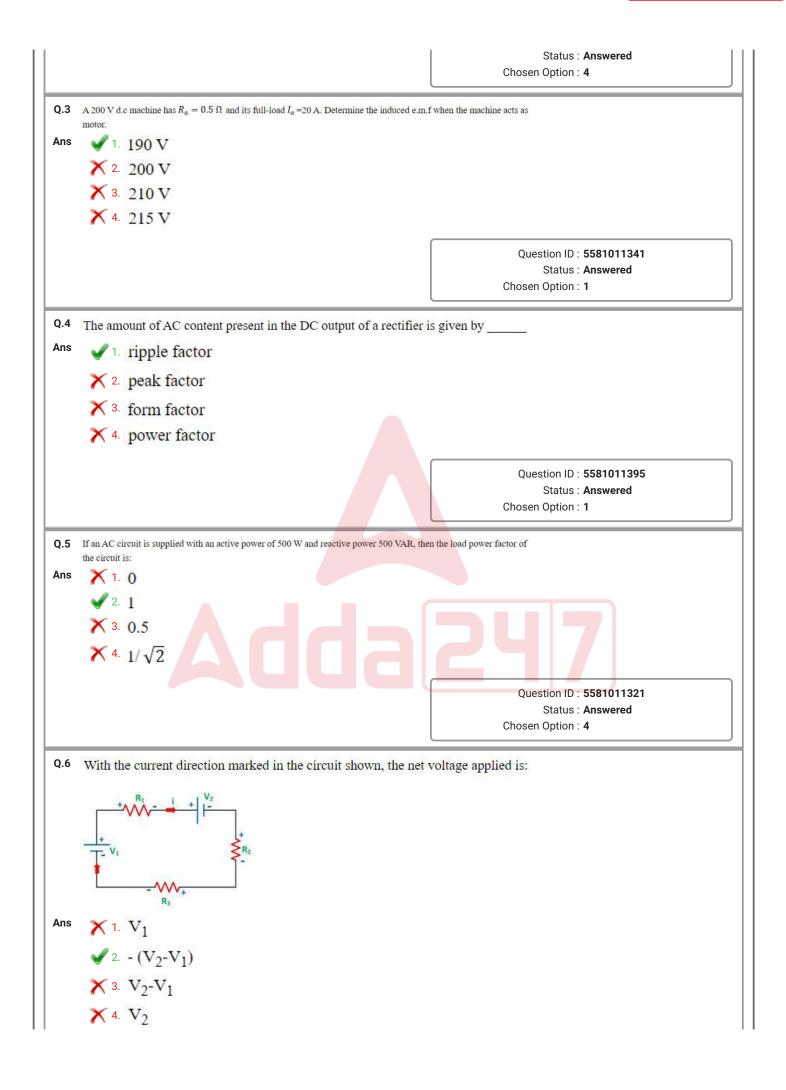






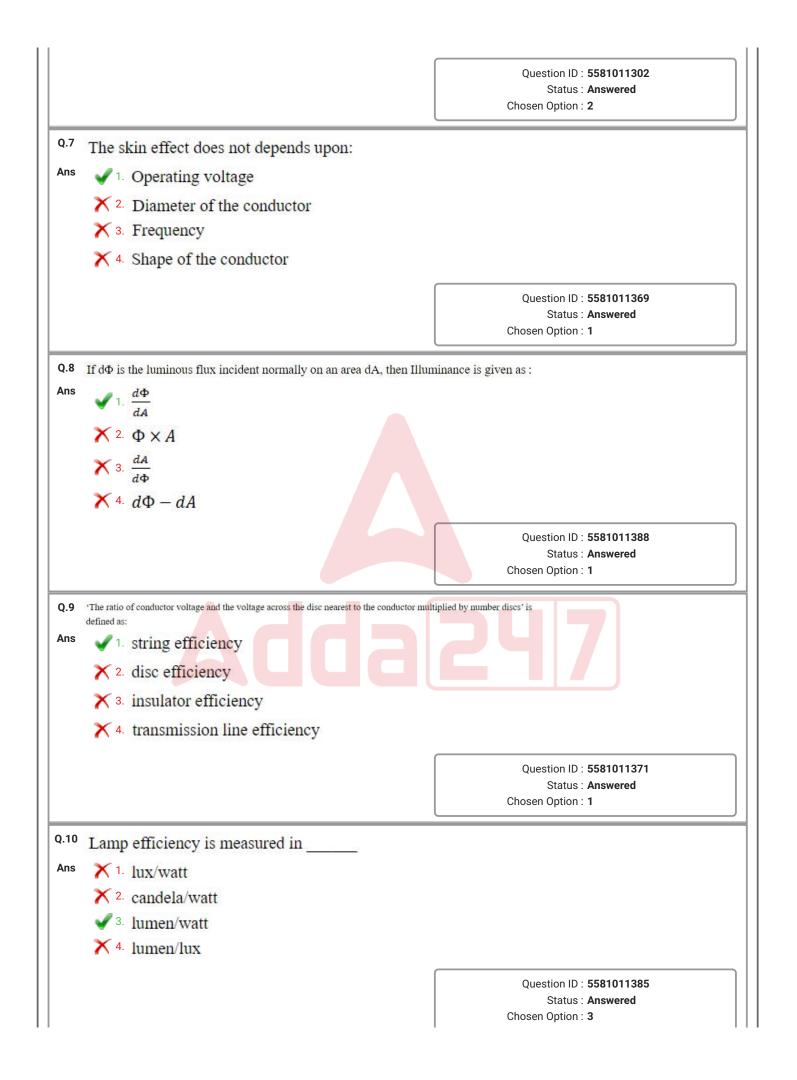












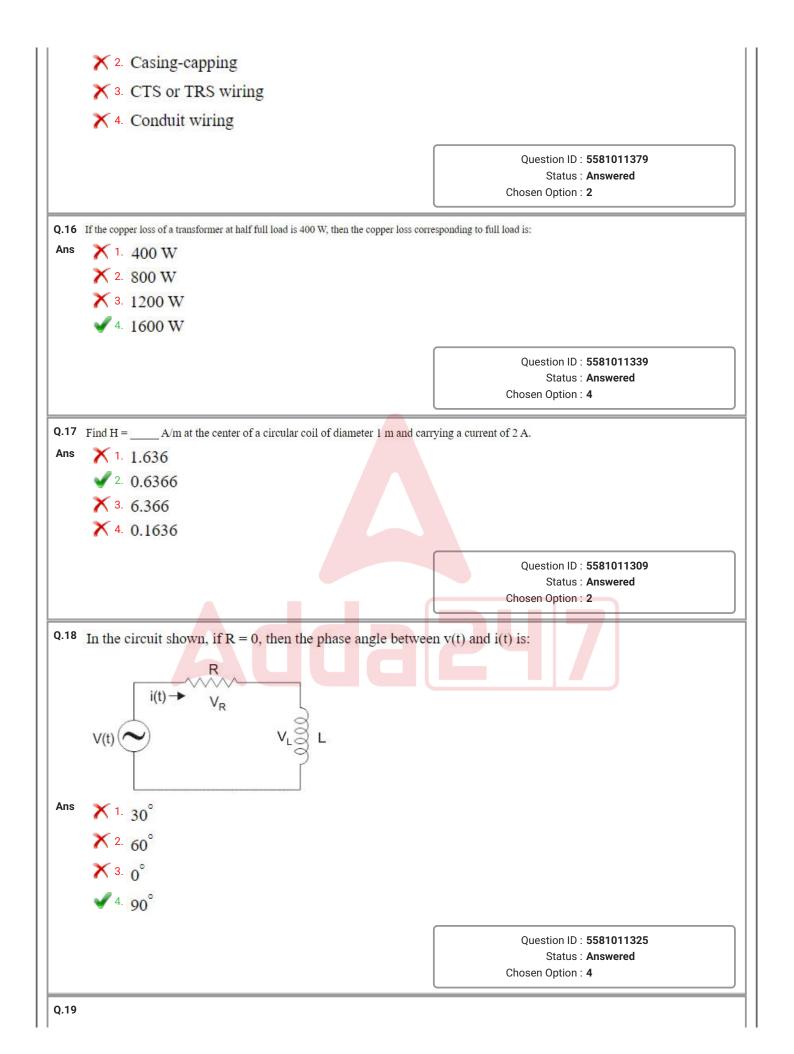




Q.11 What would the total loss of the 2kVA transformer corresponding to maximum efficiency be,		um efficiency be,	
provided the transformer has iron loss of 150 W and full-load copper loss of 250 W?		250 W?	
Ans	× 1. 500 W		
	🗙 2. 400 W		
	🗙 3. 100 W		
	🖌 4. 300 W		
		Question ID : 5581011340 Status : Answered	
		Chosen Option : 4	
Q.12	An alternator has 9 slots/pole. What is the value of pitch factor if each coil spa	ans 8 slot pitches.	
Ans	× 1. cos 45°		
	× 2. cos 30°		
	✓ ^{3.} cos 10°		
	× ⁴ . cos 60°		
		Question ID : 5581011356	
		Status : Answered	
		Chosen Option : 3	
Q.13	Which of the following is the function of the moderator in a nu	clear reactor?	
Ans	X 1.		
	Transferring the heat produced inside the reactor to the heat	at exchanger	
	2. Controlling chain reaction		
	X 3. Stopping chain reaction		
	× 4. Starting chain reaction		
		Question ID : 5581011362	
		Status : Answered Chosen Option : 2	
0.1.1			
Q.14	¹⁴ A single phase circuit's power factor can be measured with a/an:		
Ans	➤ 1. energy meter alone		
	✓ 2. combination of a voltmeter, ammeter and watth	neter	
	× ^{3.} wattmeter alone		
	✗ ₄. combination of a voltmeter and ammeter		
		Question ID : 5581011333	
		Status : Answered	
		Chosen Option : 2	
Q.15	The cheap and temporary system of internal wiring is		

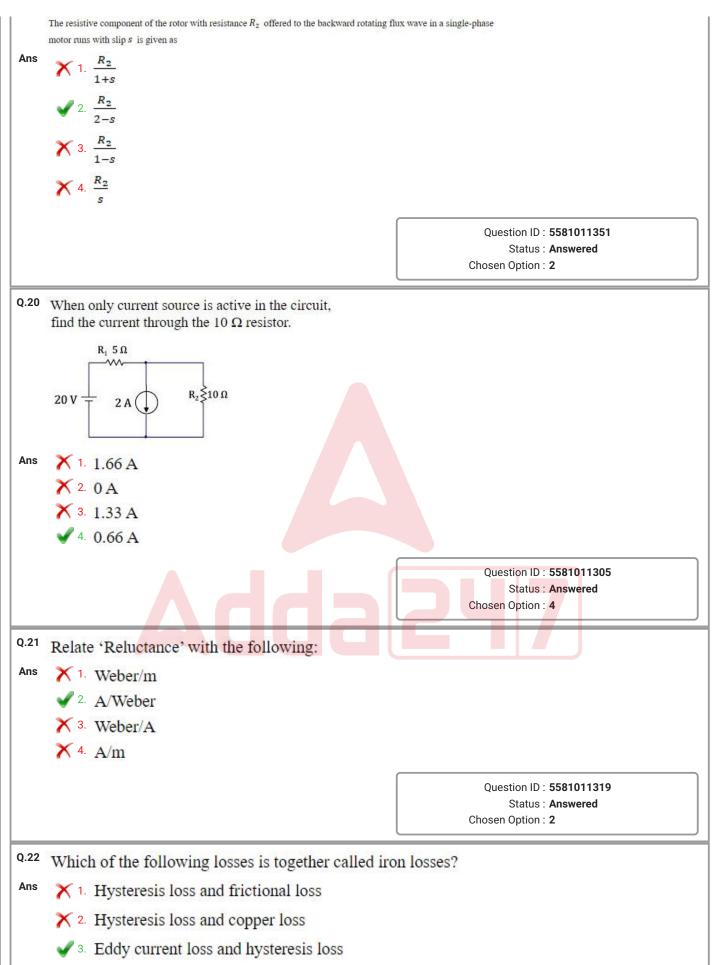








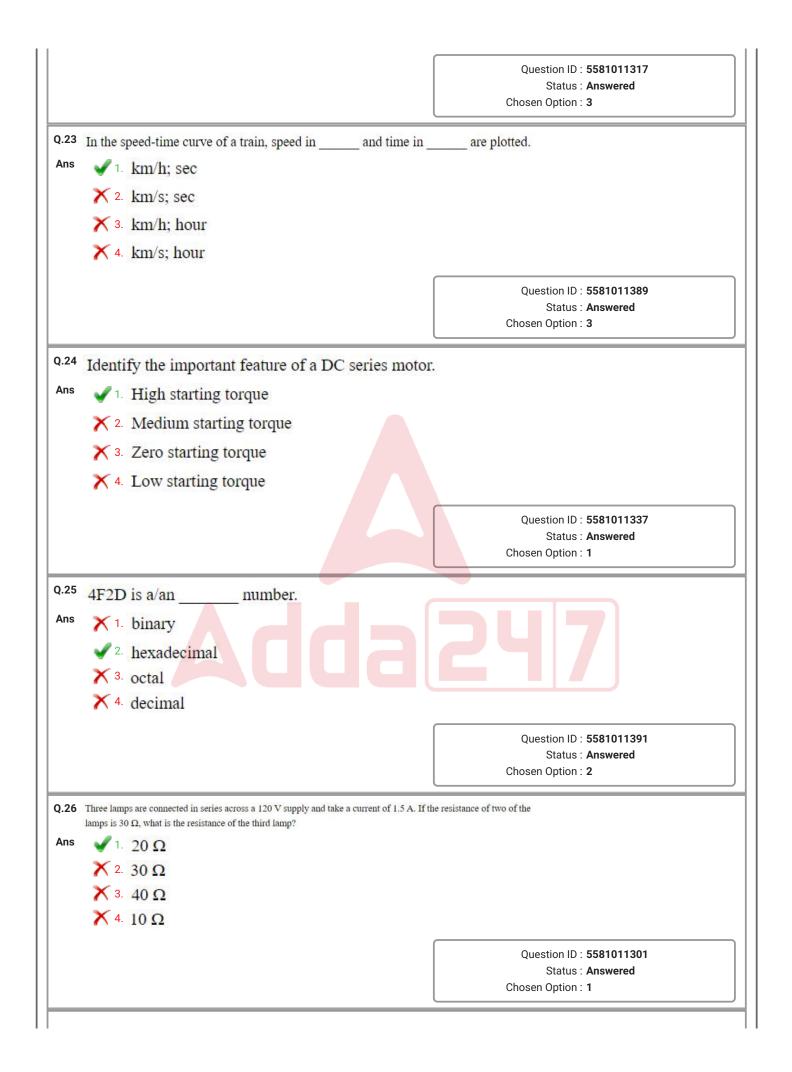




✗ 4. Eddy current loss and frictional loss

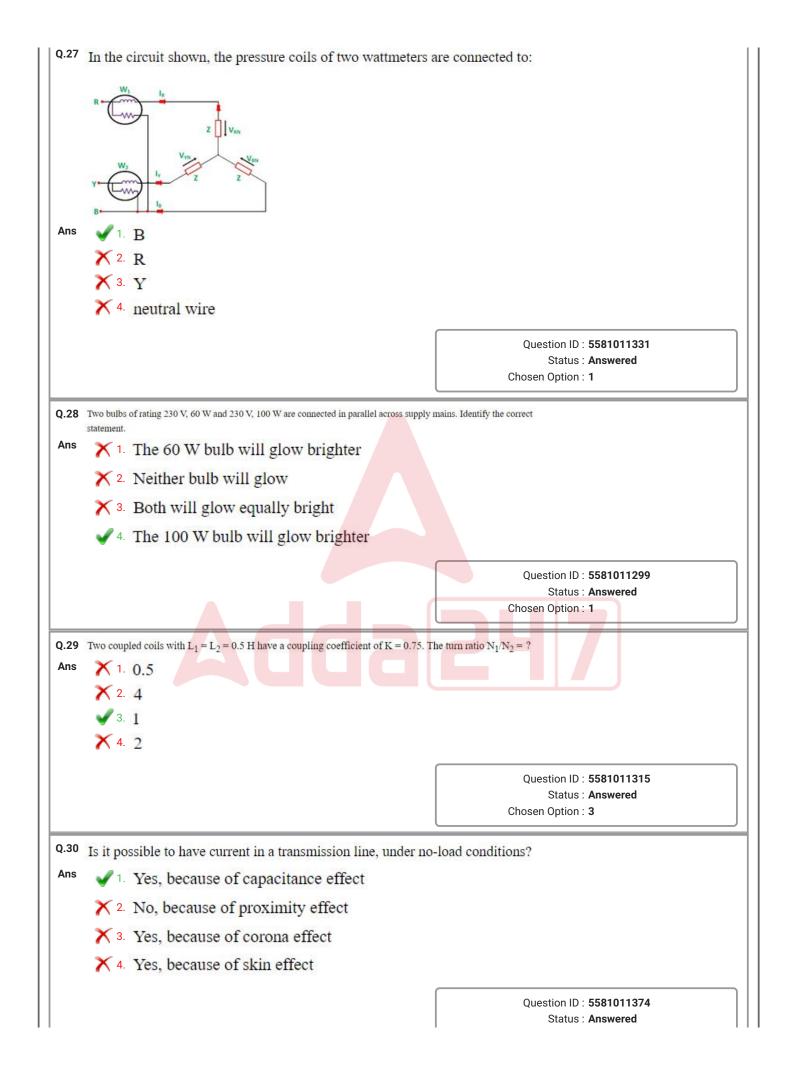






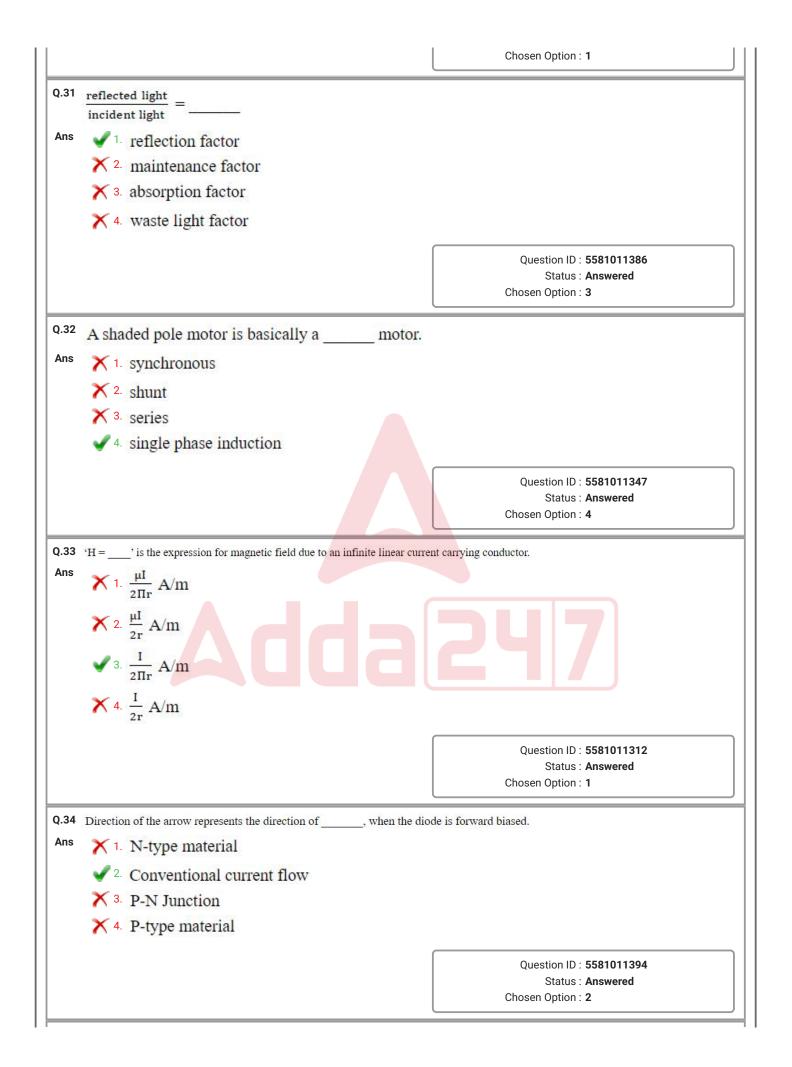






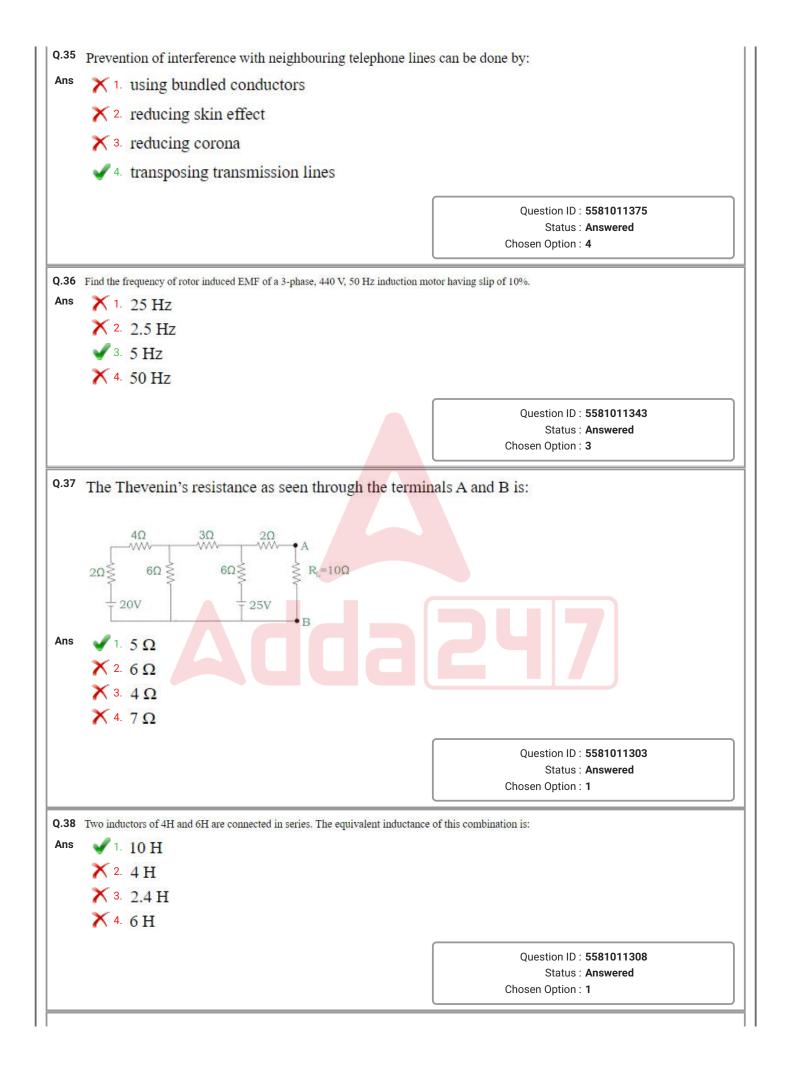






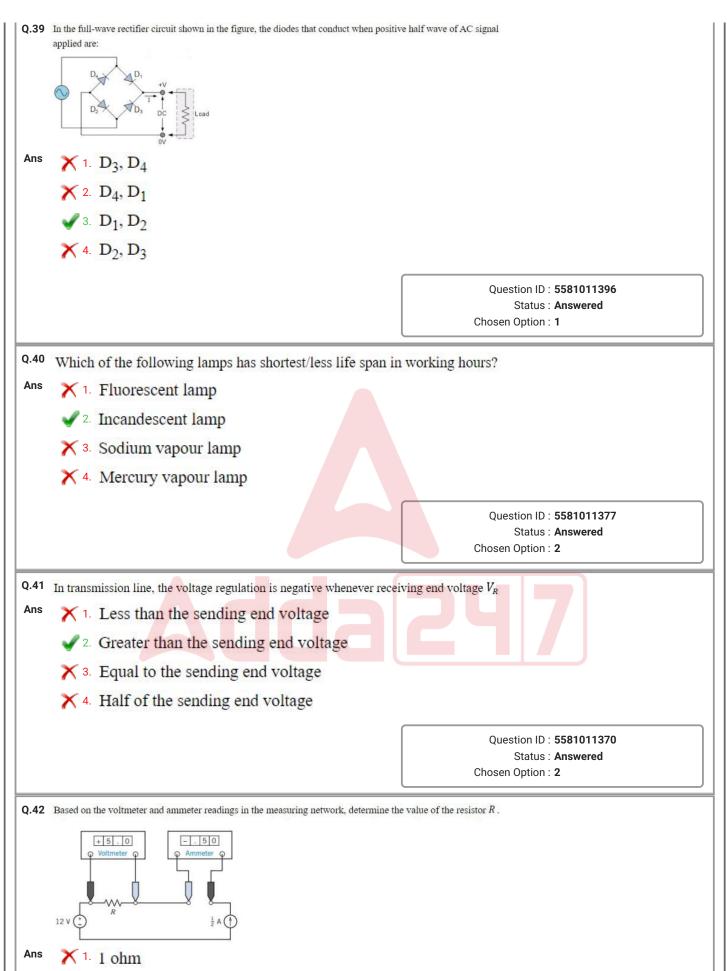














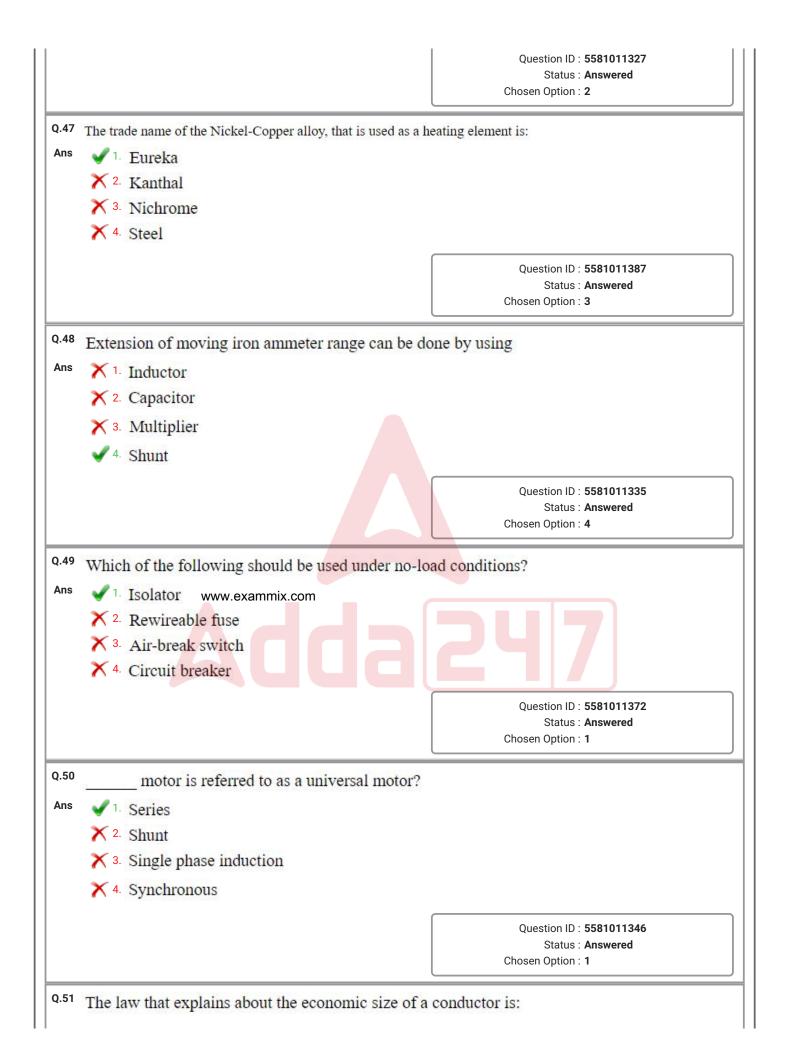




	✓ ^{3.} 10 ohm		
	× ⁴ . 2 ohm		
		Question ID : 5581011334 Status : Answered Chosen Option : 3	
Q.43	³ What is the reason behind using a centrifugal switch in a single phase induction	motor?	
Ans	\times 1. To protect the motor from overloading		
	✔ 2. To cut-off the starting winding at an appropriate insta	nt	
	✗ ₃ To cut in the capacitor during running conditions		
	X 4. To improve the starting performance of the motor		
		Question ID : 5581011349 Status : Answered Chosen Option : 2	
Q.44	In an AC network, the load connected is (10 + j10). The phase relation between the voltage applied and t	he current	
Ans	through the load is: \times 1. voltage and current are in phase with each other		
	\times 2. voltage lags current by 30°		
	✓ ^{3.} voltage leads current by 45°		
	\times ⁴ voltage lags current by 45°		
		Question ID : 5581011323 Status : Answered Chosen Option : 3	
Q.45	⁵ Which of the following plants experiences chain reactions?		
Ans	🗙 1. Thermal power plant		
	✔ 2. Nuclear power plant		
	🗙 3. Gas power plant		
	🗙 4. Hydro-electric power plant		
		Question ID : 5581011367 Status : Answered Chosen Option : 2	
Q.46	is the measuring unit of inductive susceptance.		
Ans			
	✓ ^{2.} Mho		
	X 3. Weber		
	X 4. Henry		

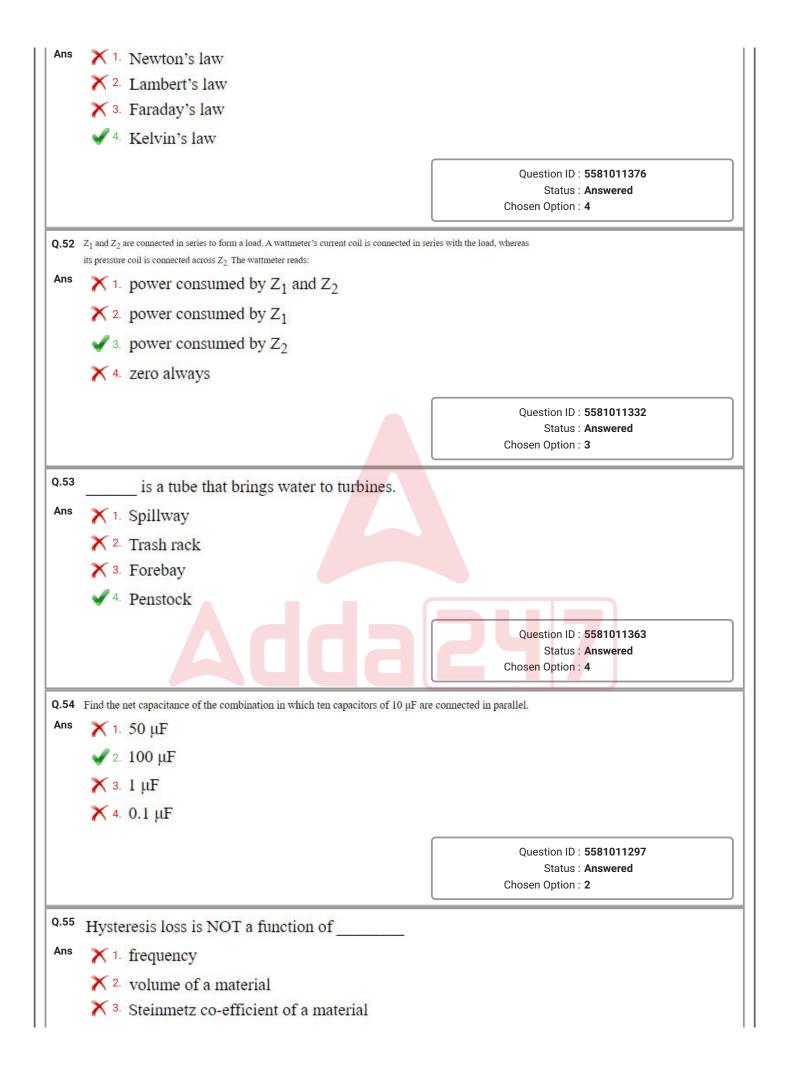






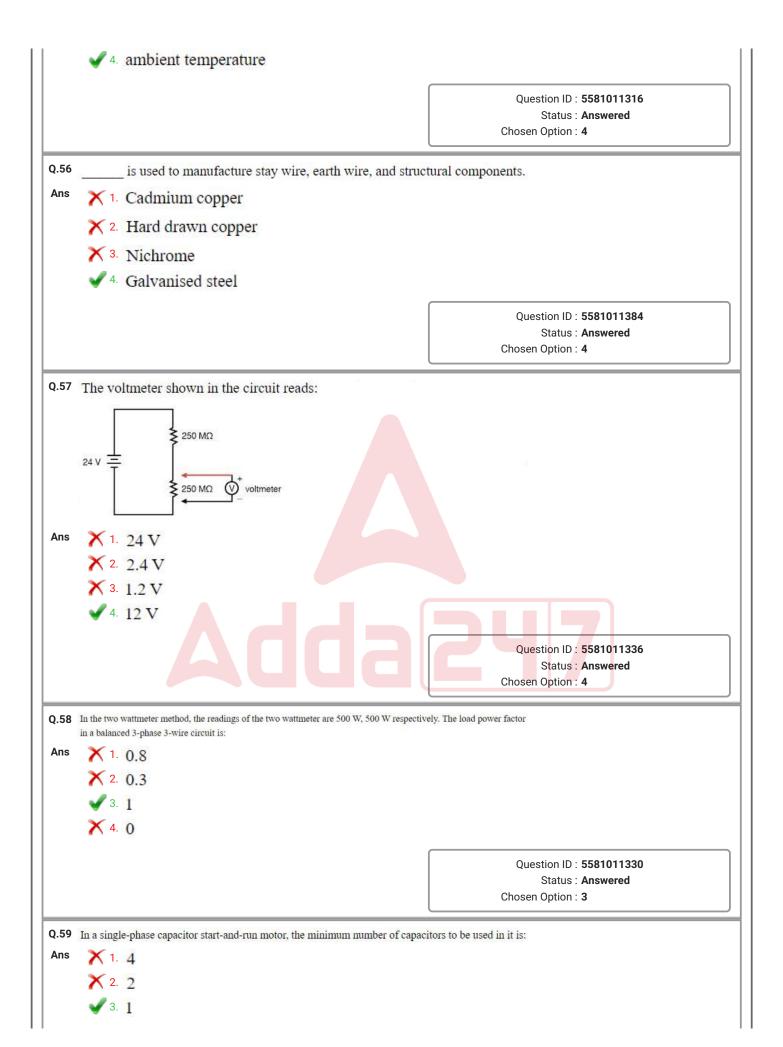






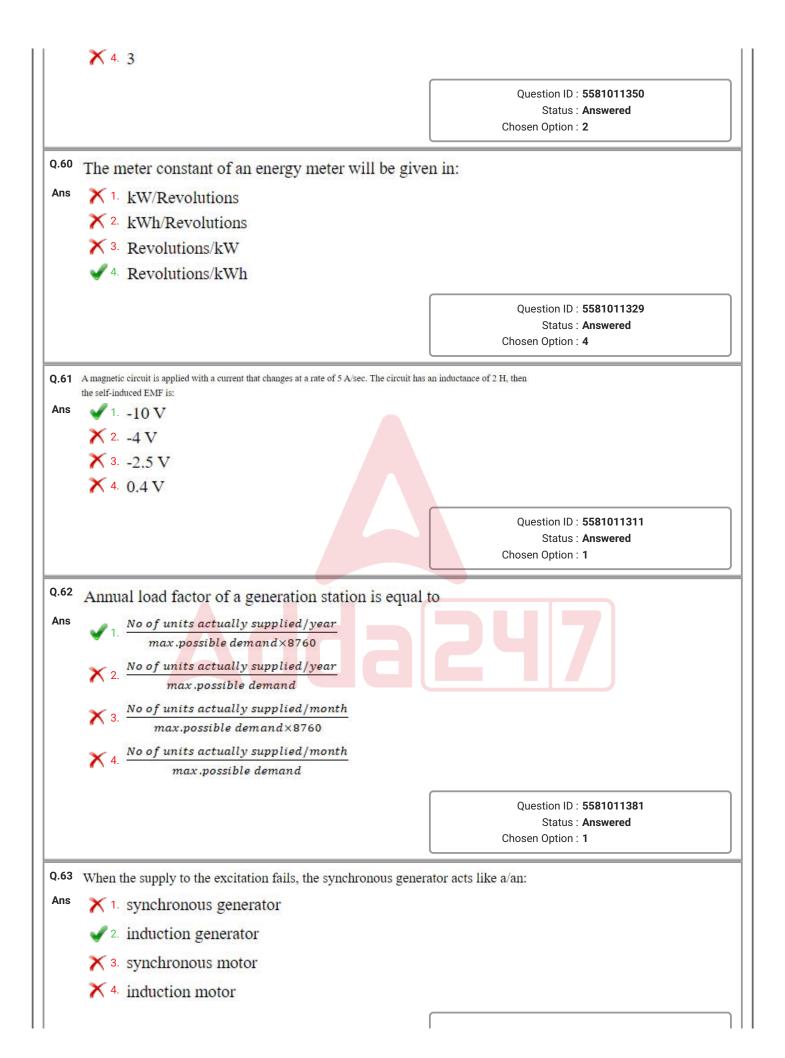






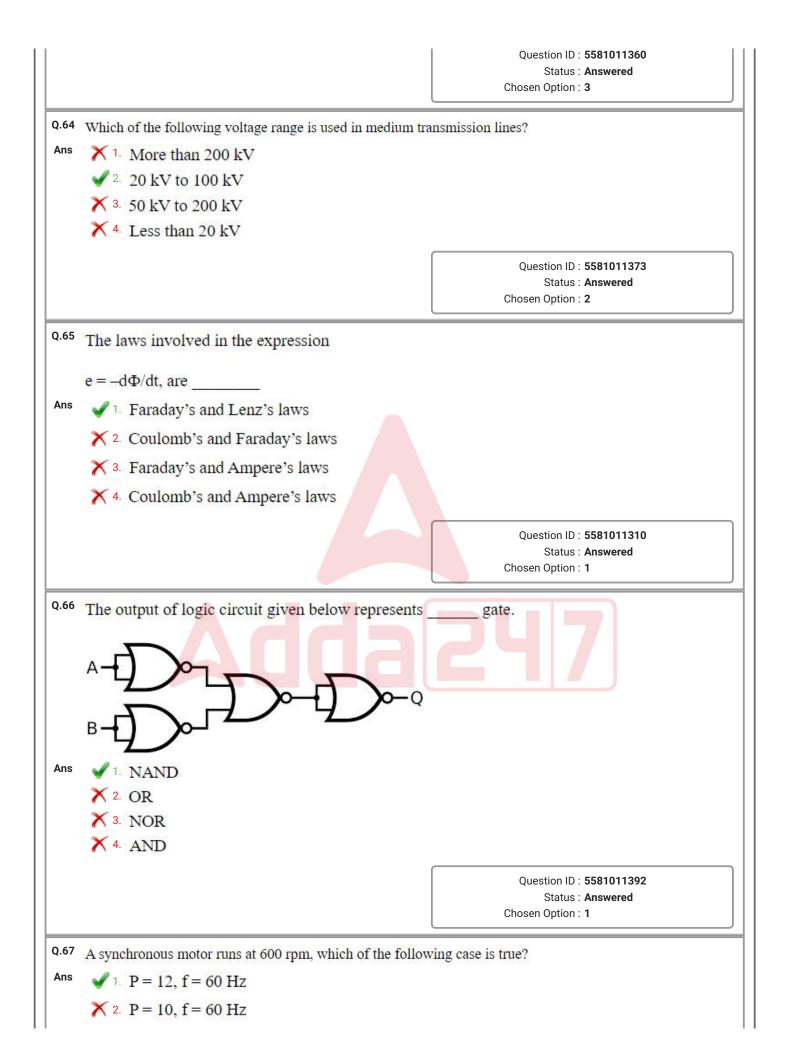






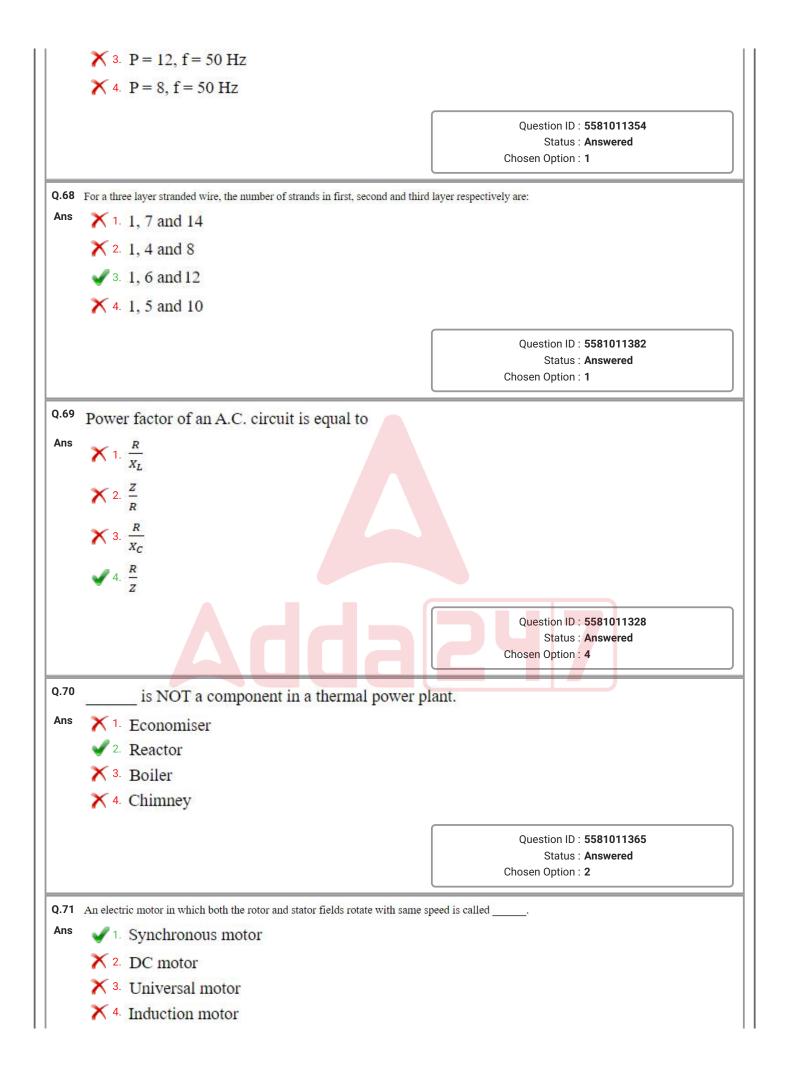






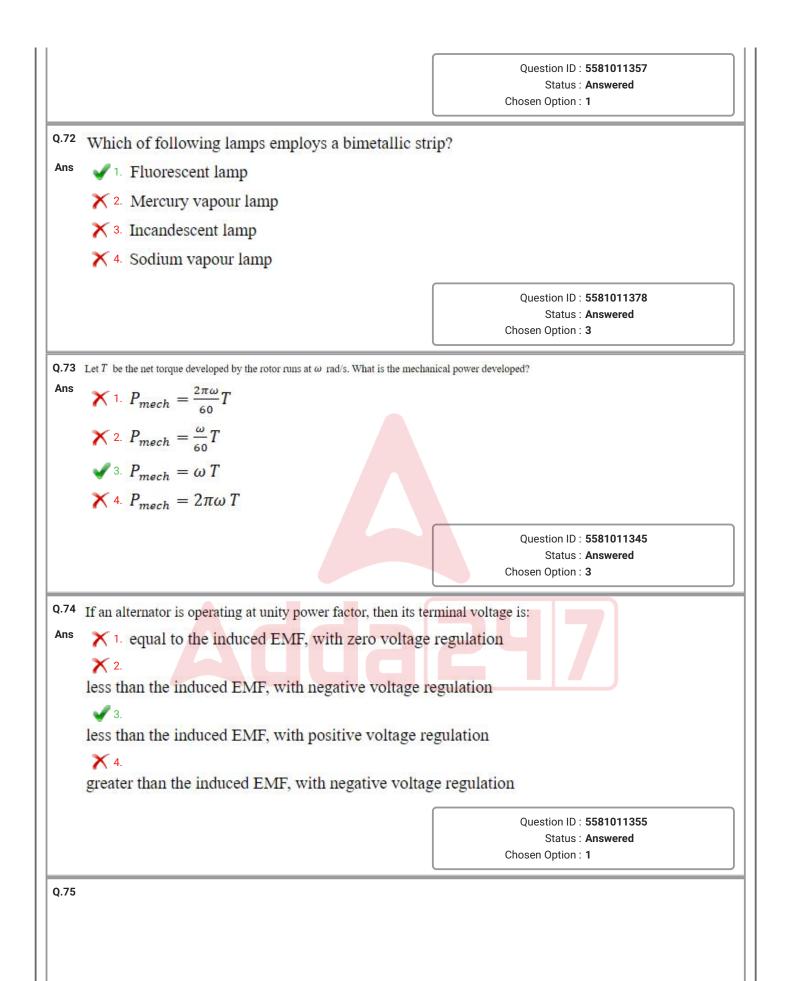






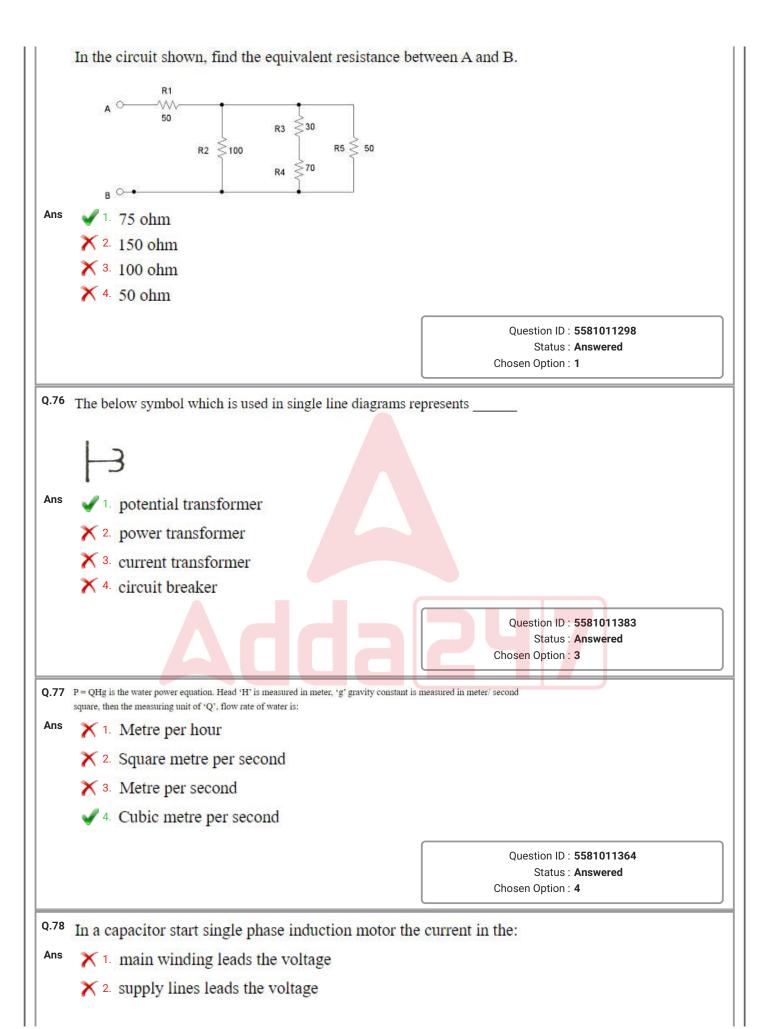






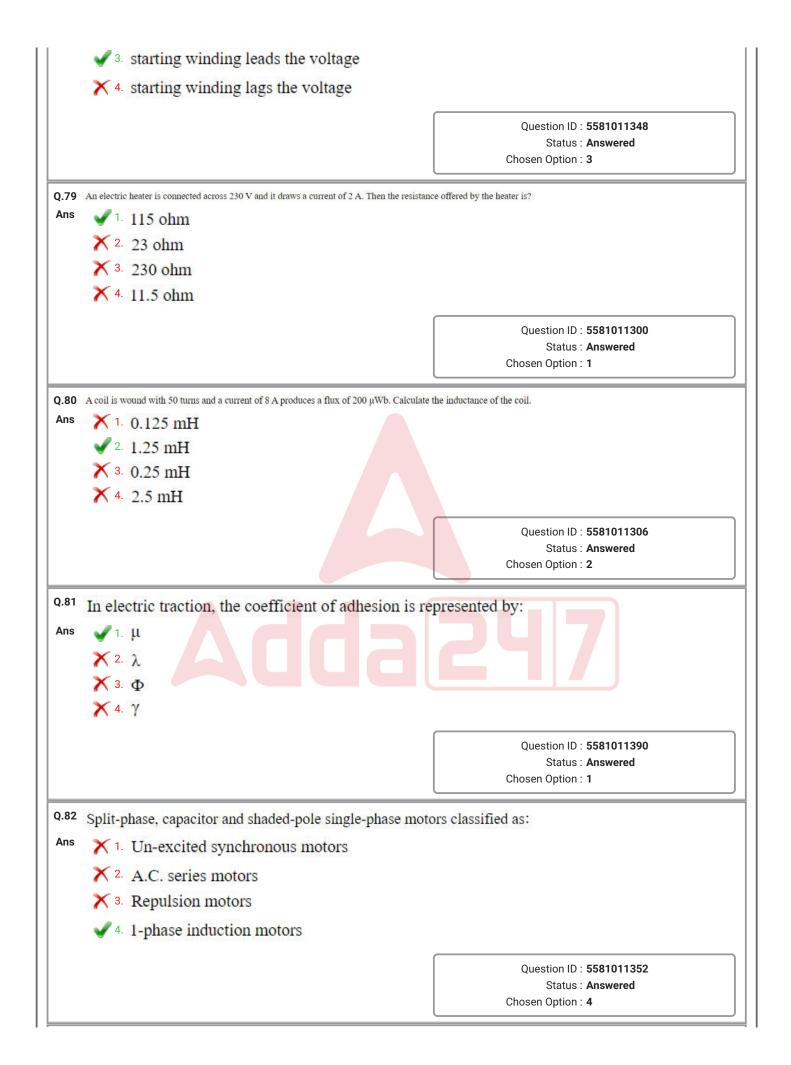






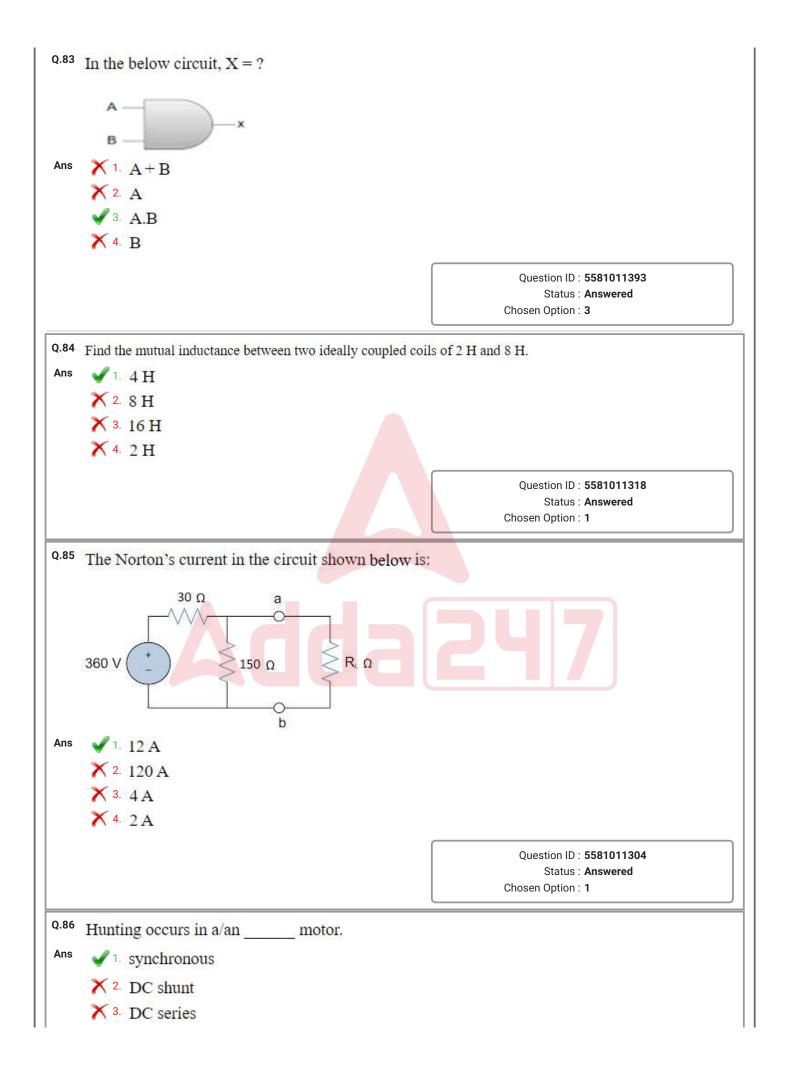






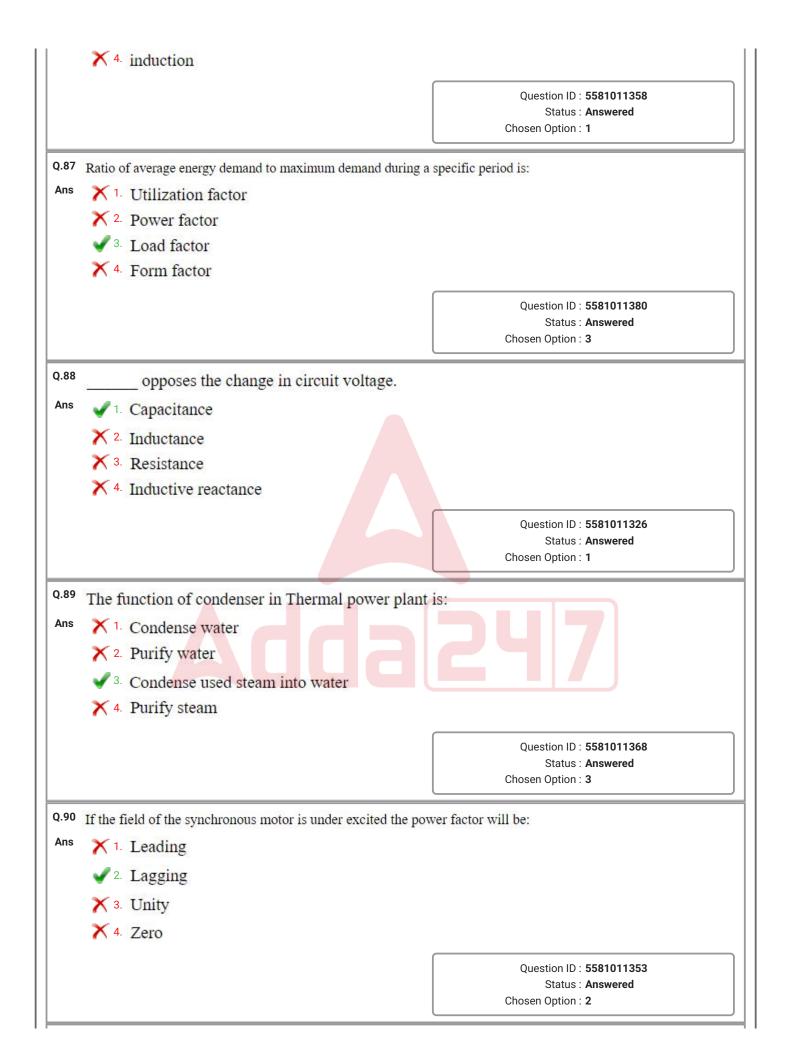
















Direct-on-line Auto-transformer Rotor-resistance		
Rotor-resistance		
Star-delta		
	Ouestion ID : 5581011342	
	Status : Answered	
	Chosen Option : 3	
hase induction machine, when it is operating like a motor, the r	ange of slip 's' is given by:	
-1 > s > -2		
0 < s < 1		
0 > s > -1		
	Question ID : 5581011344	
	Status : Answered Chosen Option : 2	
verage value of a sinusoidal waves is:		
$\sim 1.0.637 \times \text{maximum value}$		
\times 2. 0.5 × maximum value		
	Question ID : 5581011322 Status : Answered	
	Chosen Option : 1	
Identify the INCORRECT statement with regards to synchronous motors.		
X 1. The field winding is placed on the rotor		
2. It is a self-starting machine		
\mathbf{X} 3. The armature winding is placed on the stator		
X 4. It is a constant speed motor		
	Question ID : 5581011359 Status : Answered	
	Chosen Option : 2	
power plant is the plant which uses non-convention	onal source of energy.	
.9.1255-5753		
Nuclear		
	0.5 × maximum value 2 × maximum value √2 × maximum value y the INCORRECT statement with regards to s The field winding is placed on the rotor It is a self-starting machine The armature winding is placed on the stat It is a constant speed motor power plant is the plant which uses non-convention Wind Thermal	





