



Junior Engineer Civil Mechanical Electrical and Quantity Surveying and Contract Examination 2019

Roll Number	
Candidate Name	
Venue Name	
Exam Date	10/12/2020
Exam Time	3:00 PM - 5:00 PM
Subject	Junior Engineer 2019 Electrical

Q.1	In a certain code language, STUDENT is written as TVVFFPU. How will STEERING be written in the same code language?	
Ans	✓ 1. TVFGSKOI	
	2. TUFFSJOH	
	X 3. TUFGSKOH	
	X 4. TVGFSKPH	
	Question ID : 8161618131 Status : Answered Chosen Option : 1	
Q.2	Identify the option that arranges the following units in a logical and meaningful sequence.	
	1. Centi	
	2. Deci	
	3. Micro	
	4. Deca	
	5. Mili	
Ans	× 1. 3, 5, 1, 4, 2	
	2. 3, 5, 1, 2, 4	
	✗ ₃. 5, 3, 1, 2, 4	
	X 4. 5, 3, 1, 4, 2	
	Question ID : 8161618121 Status : Answered	
	Status - Aliswered	

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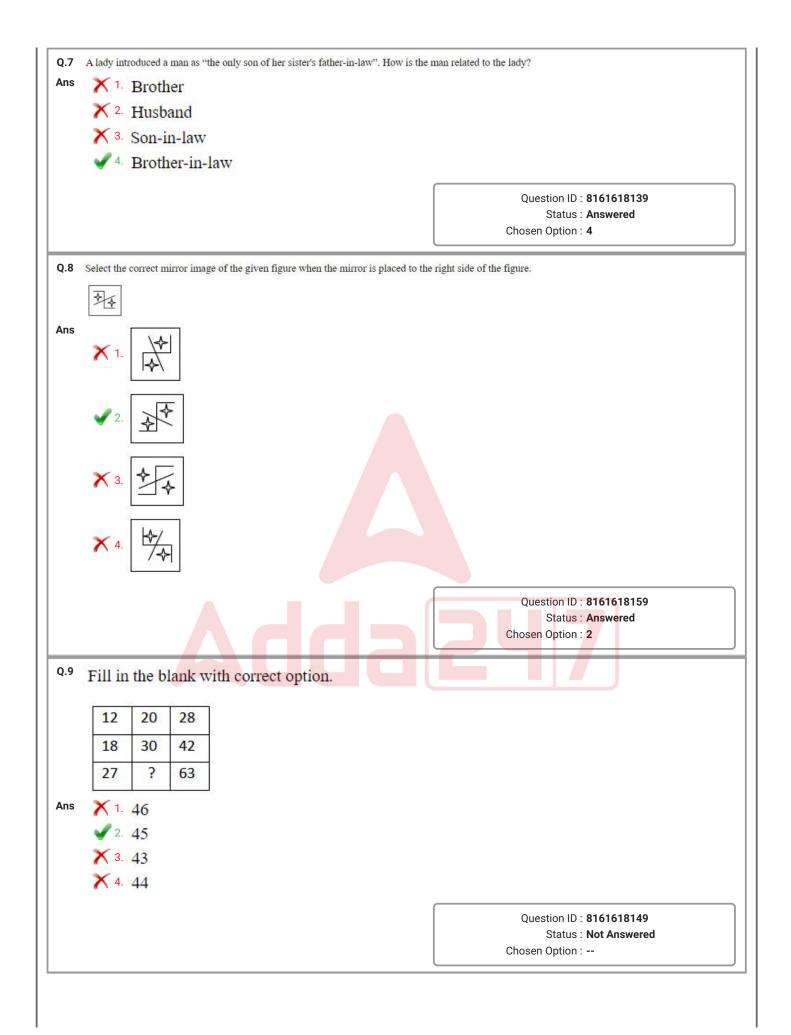




Q.3	Select the number that can replace the question mark (?) in the following series.
	122, 101, 82, 65, 50, ?
Ans	✓ 1. 37
	X 2. 41
	X 3. 42
	X 4. 40
	Question ID : 8161618150
	Status : Answered
	Chosen Option : 1
Q.4	In a certain code language, ELEPHANTS is written as DMFOIBMUT. How will CROCODILE be written in the same code language?
Ans	× 1. BQPBNEHKF
	× 2. CSSDDPEJLF
	SPBPEHMF
	X 4. DSPDPEJMF
	Question ID : 8161618132
	Status : Answered
	Chosen Option : 3
Q.5	Select the letter that can replace the question mark (?) in the following series.
	C, F, I, ?
Ans	X 1. O
	✓ 2. L
	X 3. K
	X4.J
	Question ID : 8161618119 Status : Answered
	Chosen Option : 2
Q.6	Pointing to a photograph a young man said, "He is the son of my mother's elder brother". How is the person in the photograph related to the young man?
Ans	× 1. Brother-in-law
	× 2. Nephew
	✓ ^{3.} Cousin
	X 4. Father
	Question ID : 8161618140
	Status : Answered











Q.10	Select the word-pair from the given options in which the two words are related in the same way as the two words in the following pair.
	Motor : Car
Ans	× 1. Tele : Vision
	X 2. Type : Writer
	≯ 3. Money : Order
	✓ ^{4.} Bull : Cart
	Question ID : 8161618125
	Status : Answered
	Chosen Option : 4
Q.11	'Hat' is related to 'Head' in the same way as 'Belt' is related to ''.
Ans	× 1. Pant
	× 2. Trouser
	🗸 3. Waist
	🗙 4. Bag
	Question ID : 8161618122
	Status : Answered
	Chosen Option : 3
Q.12	Select the option in which the number pair shares the same relationship as that shared by the following number pair.
Ans	54:99
Alls	 ★ 1. 65 : 111 ★ 2. 42 : 88
	X 3. 32 : 66
	✓ 4. 43:77
	Question ID : 8161618147
	Status : Answered Chosen Option : 4
0.12	In a row of Class 7 students, Kanika was 9th from left and 11th from right. How many students were there in the row?
Ans	X 1. 18
	× 2. 21
	★ 3. 20
	4. 19
	Question ID : 8161618141 Status : Answered
	Chosen Option : 4

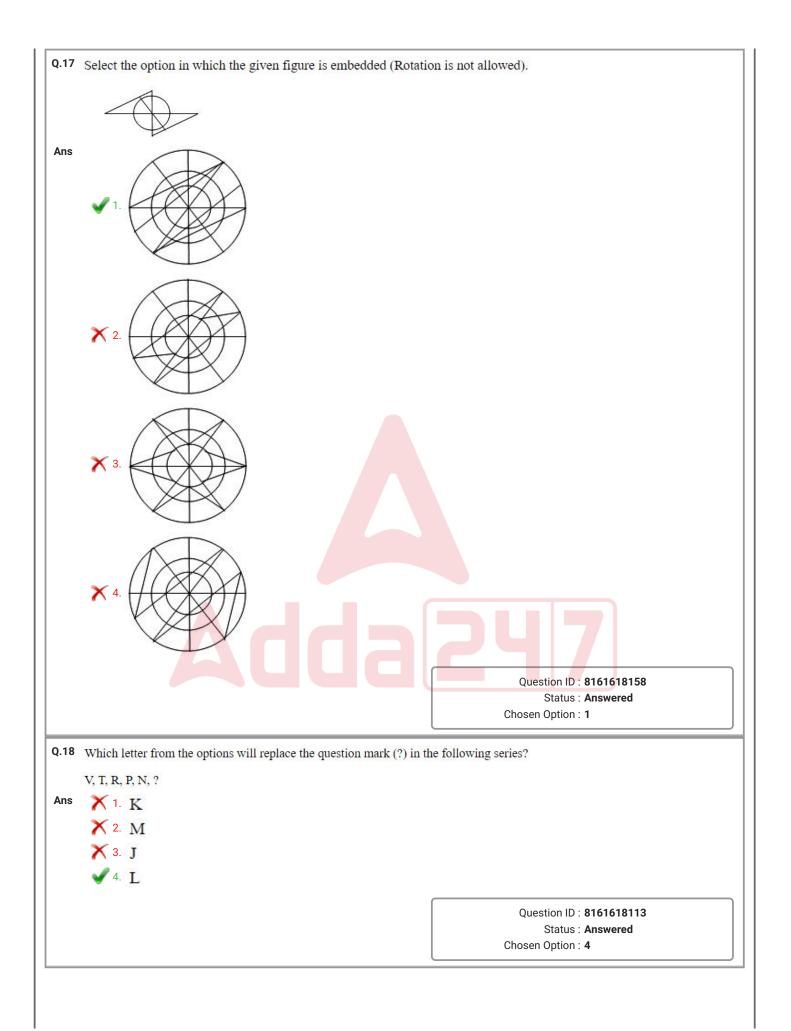




Q.14	Select the correct sequence of mathematical signs to replace the * signs so as to balance the given equation.	
	40 * 5 * 6 * 2 * 10 = 10	
Ans		
	× 2. × + ÷ −	
	✓ 3. ÷ + ×	
	\mathbf{X} 4. \div × + -	
	Question ID : 8161618151	
	Status : Answered	
	Chosen Option : 3	
Q.15	'Owl' is related to 'Hoot' in the same way as 'Frog' is related to ' '.	
Ans	✓ ^{1.} Croak	
	× 2. Caw	
	X 3. Quack	
	X 4. Cackle	
	Question ID : 8161618124	
	Status : Answered	
	Chosen Option : 1	
Q.16	Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.	
	Statements: 1) All horses are bears.	
	2) All bears are donkeys.	
	Conclusions:	
	I. All donkeys are horses. II. All horses are donkeys.	
Ans	➤ 1. Both conclusions I and II follow	
	X 2. Only conclusion I follows	
	3. Only conclusion II follows	
	X ⁴ Neither conclusion I nor II follows	
	Question ID : 8161618136 Status : Answered Chosen Option : 3	







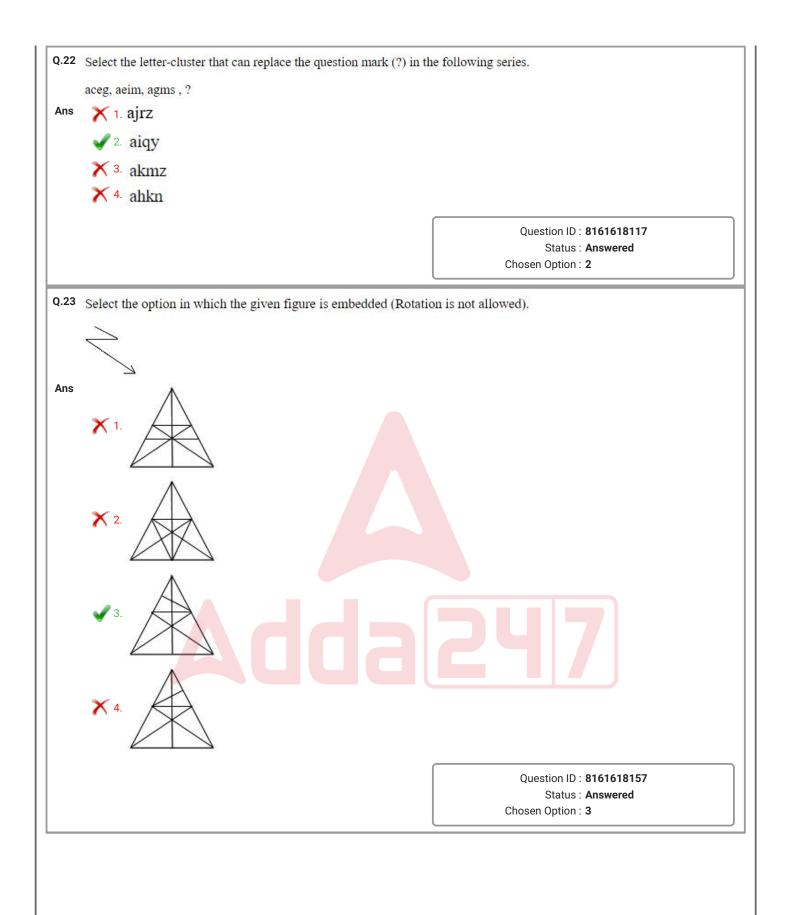




Q.19	Select the option that is related to the third term in the same way as the second term	is related to the first term.		
Ans	PENCIL :: EPCNLI :: ERASER :			
7				
	2. RESARE			
	\times 3. RESERA \times 4. REASRE			
	A 4 REASKE			
		Question ID : 8161618128		
		Status : Answered Chosen Option : 2		
Q.20	Which letter cluster will replace the question mark (?) in the following	lowing letter series?		
	USW, SQU, QOS, ?			
Ans	🗙 1. SQS			
	✓ 2. OMQ			
	🗙 3. OMI			
	🗙 4. QSW			
		Question ID : 8161618115 Status : Answered		
		Chosen Option : 2		
Q.21	Identify the option that arranges the following stages in a logical and	meaningful sequence.		
	1. Puberty			
	2. Infancy			
	3. Adolescence			
	4. Neonatal			
	5. Childhood			
Ans	X 1. 4, 2, 1, 5, 3			
	X 2. 2, 4, 5, 1, 3			
	★ 3. 4, 2, 5, 3, 1			
	✓ 4. 4, 2, 5, 1, 3			
		Question ID : 8161618120 Status : Answered		
		Chosen Option : 3		







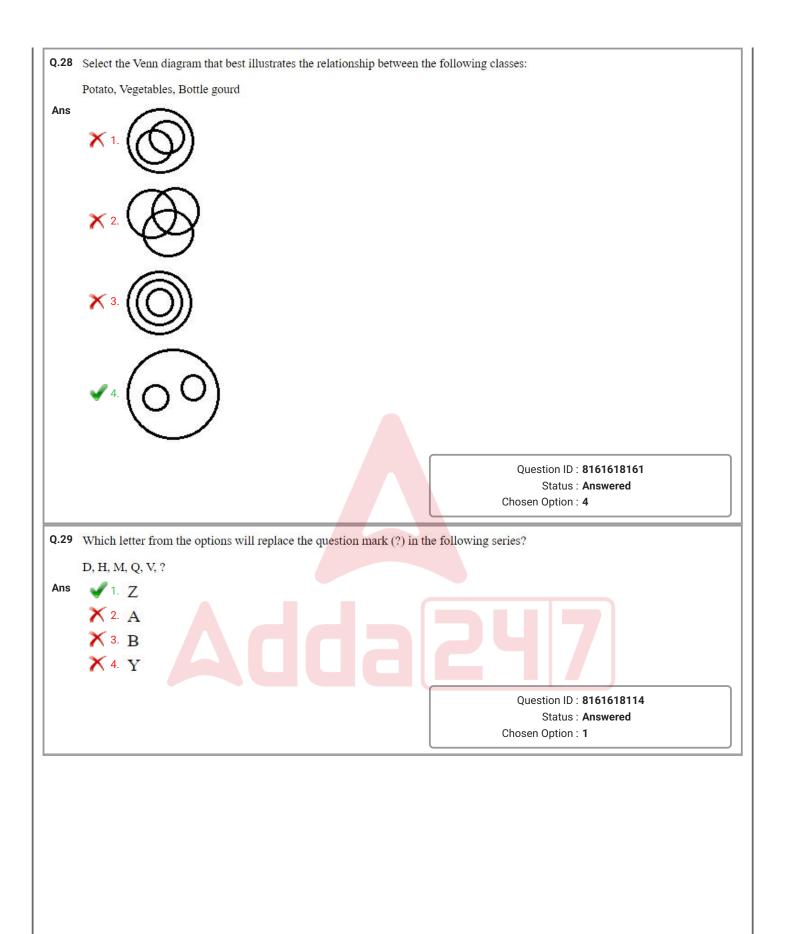




Q.24	Select the option that is related to the third term in the same way as the second term	is related to the first term.
	CARPENTER : RETNDPRAC :: SUGARCANE :	
Ans	X 1. GUSCRAENA	
	× 2. AGUSSENAC	
	X 3 AGUSRENAC	
	✓ 4. ENACQAGUS	
		Question ID : 8161618129
		Status : Answered
		Chosen Option : 4
Q.25	Select the option in which the number pair shares the same relationship as that shared by	the following number pair.
•	344 : 513	
Ans	✓ 1. 126 : 217	
	× 2. 1331 : 2744	
	🗙 з. 999 : 1330	
	X 4 1332 : 1001	
		Question ID : 8161618148
		Status : Answered
		Chosen Option : 1
Q.26	'Advocate' is related to 'Advice' in the same way as 'Physician' is	
	 'Advocate' is related to 'Advice' in the same way as 'Physician' is 1. Prescription 	
	 ✓ 1. Prescription X 2. Patient 	
	 1. Prescription 2. Patient 3. Disease 	
	 ✓ 1. Prescription X 2. Patient 	
Q.26 Ans	 1. Prescription 2. Patient 3. Disease 	related to ''. Question ID : 8161618123
	 1. Prescription 2. Patient 3. Disease 	Question ID : 8161618123 Status : Answered
	 1. Prescription 2. Patient 3. Disease 	related to ''. Question ID : 8161618123
Ans	 1. Prescription 2. Patient 3. Disease 	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation 	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81 2. 74 	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81 2. 74 	Question ID : 8161618123 Status : Answered Chosen Option : 1
Ans Q.27	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81 2. 74 3. 82 	related to ''. Question ID : 8161618123 Status : Answered Chosen Option : 1 the following series?
Ans	 1. Prescription 2. Patient 3. Disease 4. Operation Which number from the options will replace the question mark (?) in 0, 8, 24, 48, ? 1. 81 2. 74 3. 82 	Question ID : 8161618123 Status : Answered Chosen Option : 1

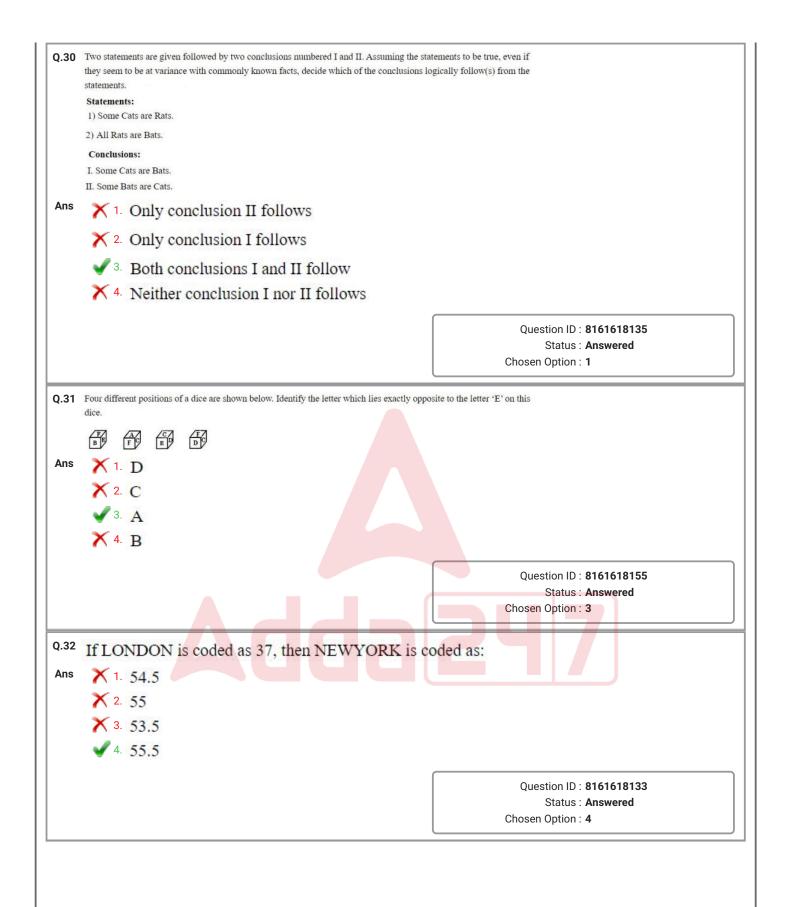












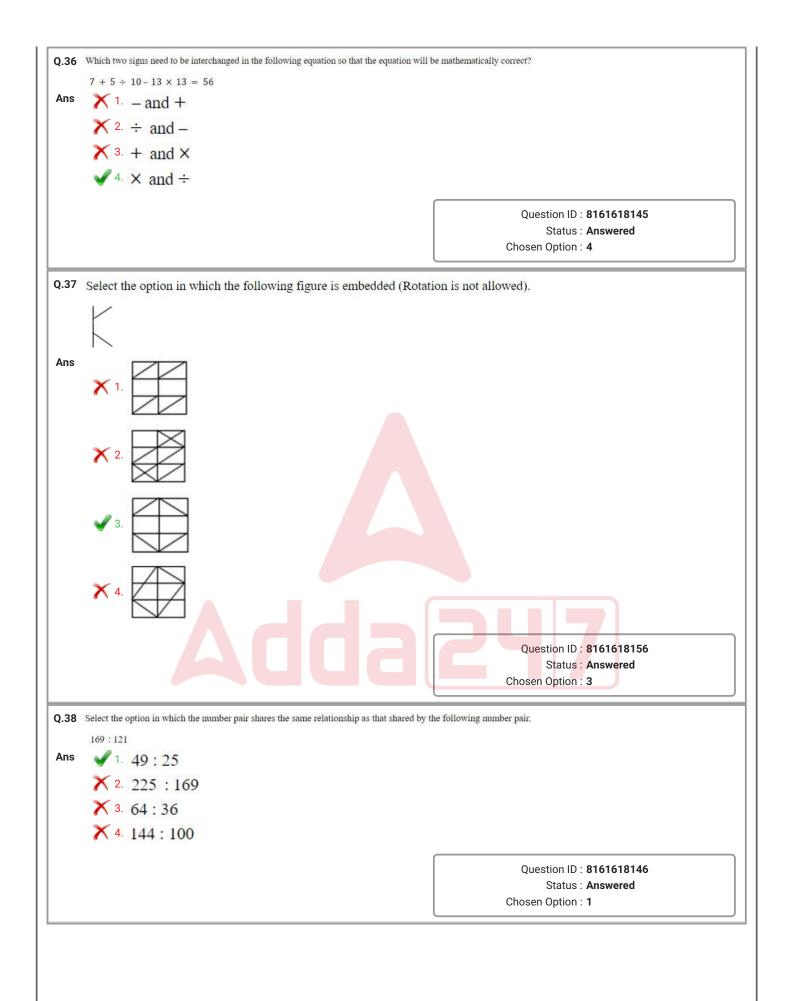




	Train A runs at the speed of 80 km/h and it leaves from station X at 6:00 o'clock. Train B dep at 6:15 o'clock. At what speed should train B run so as to reach together with Train A on the r	
	distance of 100 km?	
Ans	✓ ^{1.} 100 km/h	
	× 2. 90 km/h	
	× 3. 95 km/h	
	🗙 4. 110 km/h	
		Question ID : 8161618153
		Status : Not Answered Chosen Option :
	Select the option in which the two words are related in the same way as are the two word	is in the given word-pair.
Ans	Bengali : Bangladesh	
Alls	✓ 1. Arabic : Iraq	
	🗙 2. Aymara : Burma	
	🗙 3. Spanish : Brazil	
	🗙 4. Greek : Nigeria	
		Question ID : 8161618127 Status : Answered
		Chosen Option : 2
Q.35	Arrange the following words in an order they appear	r in dictionary.
	1. Depending	
	2. Dependence	
	3. Dependency	
0	4. Dependant	
Ans	★ 1. 2, 4, 3, 1	
	X 2. 2, 4, 1, 3	
	✓ 3. 4, 2, 3, 1	
	X 4. 1, 4, 2, 3	
		Question ID : 8161618118 Status : Answered
		Chosen Option : 3

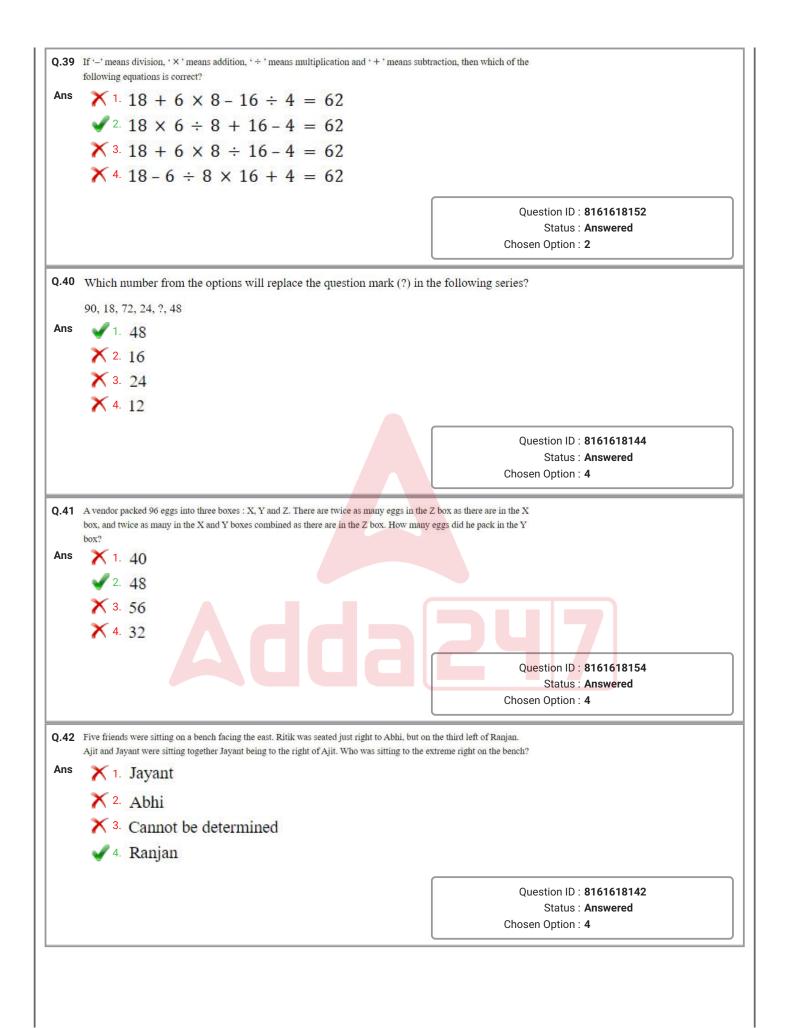






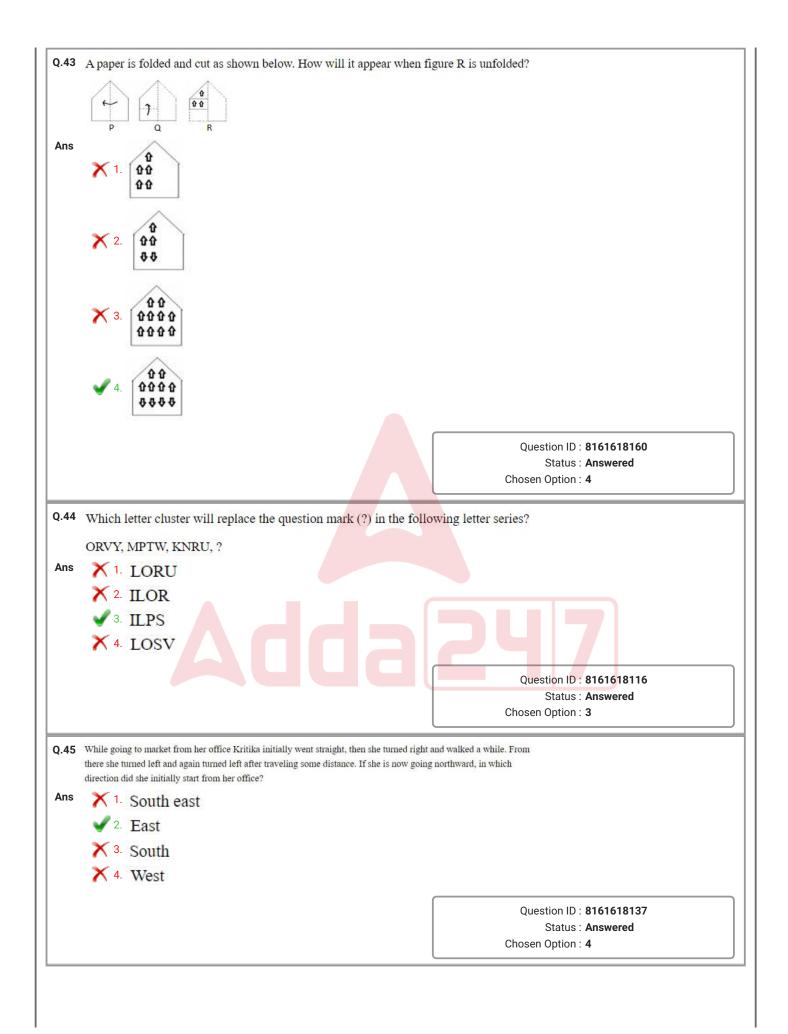






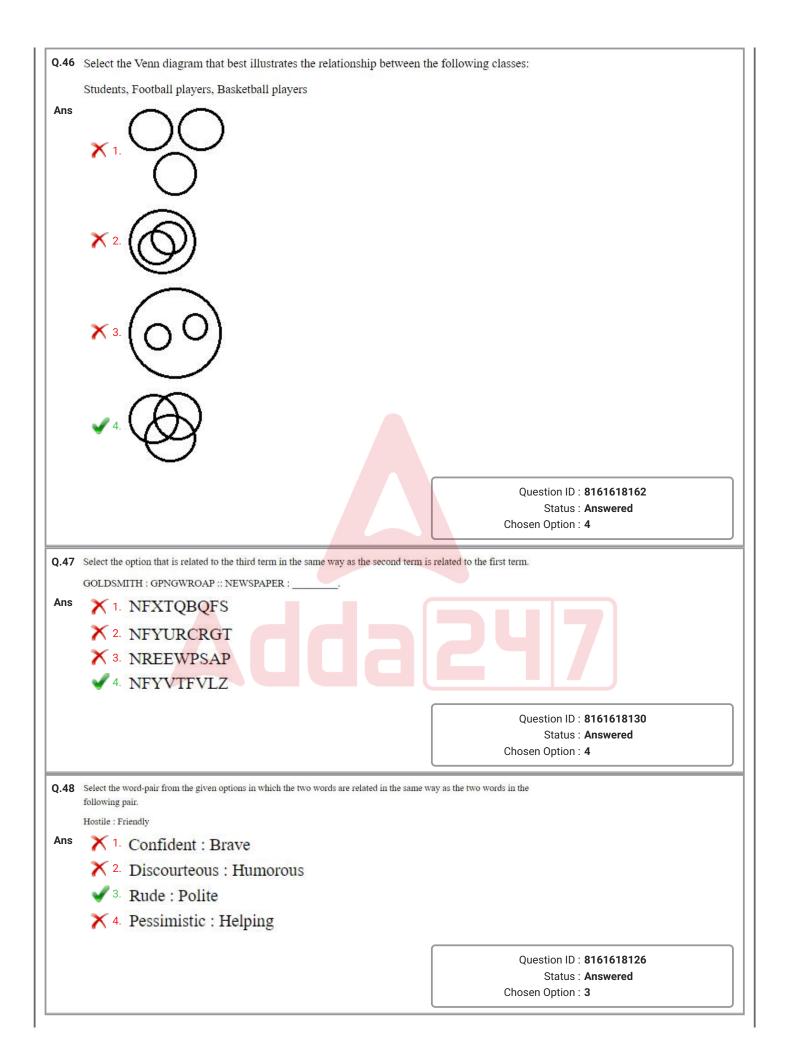
















Q.49	Shreya traveled 6 km from point A to reach point B. She took a left turn from there and travele then took a right turn to reach point D at a distance of 6 km. After reaching point D, she turned reach point E. Finally, she turned left from there and traveled 12 km and stopped at point F. Fin between point B and F.	left and traveled 3 km to
Ans	× 1. 11 km	
	× 2. 8 km	
	✓ ^{3.} 10 km	
	× 4. 9 km	
		Question ID : 8161618138 Status : Answered
		Chosen Option : 3
	(
	If LEATHER is coded as 67 and JAGGERY is coded as 71, then how will MH	ECHANIC be coded?
Ans	X 1. 52	
	2. 54	
	X 3. 50	
	X 4. 56	
		Question ID : 8161618134
		Status : Answered
		Chosen Option : 2
Sectio	n : General Awareness	
Q.1	is an active ingredient in all the alcoholic drinks.	
Ans	X 1. Pentane	
	2. Ethanol	
	X 3. Butane X 4. Propane	247
		Question ID : 8161618185
		Status : Answered Chosen Option : 3
	Which of the following acids is found in ant sting?	
Ans	1. Methanoic acid	
	X 2. Tartaric acid	
	🗙 3. Oxalic acid	
	🗙 4. Acetic acid	
	ſ	Question ID : 8161618187
	1	
		Status : Answered





	Who has become the new Vice Chief of Army Staff in January 2020?	
Ans	1. Arvind Kumar	
	2. Samant Goel	
	🗙 3. V K Johri	
	✔ 4. S K Saini	
		Question ID : 8161618166
		Status : Answered
		Chosen Option : 4
	In December 2019, Finance Minister Nirmala Sitharaman launched whic auction platforms to enable online auction of attached assets by banks	
Ans	V 1. eBkray	
	🗙 2. Ubid	
	🗙 3. Listia	
	🗙 4. еВау	
		Question ID : 8161618173
		Status : Answered
		Chosen Option : 1
Q.5 Ans	 When is the National Youth Day observed? 1. 23rd June 2. 12th January 3. 14th March 4. 10th May 	
		Question ID : 8161618165 Status : Answered Chosen Option : 2
Q.6	In which of the following states is the Somasila dam situated?	
Ans	🗙 1. Kerala	
	🗙 2. Telangana	
	🗙 3. Maharashtra	
	✔ 4. Andhra Pradesh	
		Question ID : 8161618197 Status : Not Answered Chosen Option :





Q.7	What will be the default temperature setting of room ACs, according t standards by Bureau of Energy Efficiency (BEE)?	o the new energy
Ans	🖌 1. 24°C	
	X 2. 16℃	
	X 3. 18°C	
	★ 4. 22°C	
		Question ID : 8161618183
		Status : Answered Chosen Option : 1
Q.8	Which of the following instrument is used to check the purity of milk relative density of milk?	by measuring the
Ans	✔ 1. Lactometer	
	🗙 2. Odometer	
	X 3. Barometer	
	X 4. Spherometer	
		Question ID : 8161618177 Status : Answered
		Chosen Option : 1
Q.9 Ans	The Global Social Mobility Index is released by which of the following	organisations?
AIIS	1. World Economic Forum	
	X 2. World Bank	
	X 3. World Trade Organization	
	X 4. International Monetary Fund	
		Question ID : 8161618172
		Status : Answered
		Chosen Option : 1
0.10	Based on functional classification, how many types of joints are prese	
	Based on functional classification, how many types of joints are present 1.4	
	X 1.4	
	★ 1.4 ✓ 2.3	
	★ 1.4 ✓ 2.3	
	X 1.4	
Q.10 Ans	★ 1.4 ✓ 2.3	
	★ 1.4 ✓ 2.3	ent in the human body?





.11	lonising has/have sufficient energy to affect the atoms in liv damage their genetic material.	ring cells and thereby	
ns	X 1. water		
	🗙 2. chemicals		
	🗸 3. radiation		
	4. reaction		
		Question ID : 8161618189 Status : Answered	
		Chosen Option : 3	
	Which one of the following districts became first kerosene-free dis October 2019?	strict of Gujarat in	
s	🗙 1. Rajkot		
	🗙 2. Jamnagar		
	X 3. Surat		
	4. Gandhinagar		
		Question ID : 8161618192	
		Status : Answered Chosen Option : 2	
	When was the second battle of Panipat fought?		
าร	✓ 1.1556		
	2. 1549		
	🗙 3. 1578		
	X 4. 1590		
		Question ID : 8161618201	
		Status : Answered	
		Chosen Option : 1	
	Which of the following films has won the Best Film Award in Asian	Competition section of	
	the 18 th Dhaka International Film Festival?		
IS	🗙 1. Edward		
	✔ 2. Castle of Dreams		
	🗙 3. Finally Love		
	🗙 4. Children of the Sun		
		Question ID : 8161618167 Status : Not Answered	





2.15	The successive decomposition of dead material and modified organic formation of a more complex organic matter, which is called:	matter results in the
Ans	✔ 1. humus	
	🗙 2. moth	
	🗙 3. algae	
	X 4. marsh	
		Question ID : 8161618198 Status : Answered
		Chosen Option : 1
.16	In which of the following years was the South Asian Association of Re (SAARC) established?	gional Cooperation
ns	✓ 1. 1985	
	🗙 2. 1975	
	🗙 3. 1969	
	🗙 4. 1990	
		Question ID : 8161618199 Status : Not Answered
		Chosen Option :
17	When did Mahatma Gandhi pass away?	
ns	1. 13 th January 1945	
	2. 30 th January 1948	
	X 3. 4 th May 1949	
	4 . 30 th June 1946	
		Question ID : 8161618200
		Status : Answered Chosen Option : 2
.18	In which of the following cities did the Defence Research and Develop (DRDO) participate in the Pride of India-Science Expo-2020 at the 107 Congress?	
ns	🗙 1. Mumbai	
	🗙 2. Hyderabad	
	✔ 3. Bengaluru	
	🗙 4. Patna	
	X 4. Patna	
	X 4. Patna	Question ID : 8161618169 Status : Answered





	space tech park?	s announced a plan to set up the country's first
Ans	🗙 1. West Bengal	
	🗙 2. Karnataka	
	🗸 3. Kerala	
	X 4. Andhra Pradesh	
	• •	
		Question ID : 8161618191 Status : Answered
		Chosen Option : 4
).20 Ans	What does ECG stand for?	
4115	1. Electrocardiogram	
	X 2. Electrocardiograph	
	X 3. Electriccoronarygraph	
	X 4. Electriccoronarygram	
		Question ID : 8161618179
		Status : Answered
		Chosen Option : 2
Ans	places? 1. Sunil Shetty 2. Govinda	
	🗙 3. P V Sindhu	
	🗙 3. P V Sindhu 🗙 4. Madhuri Dixit	
		Question ID : 8161618204 Status : Answered Chosen Option : 1
2.22		Status : Answered Chosen Option : 1
	4. Madhuri Dixit	Status : Answered Chosen Option : 1
	4. Madhuri Dixit	Status : Answered Chosen Option : 1
	4. Madhuri Dixit Home Minister Amit Shah has released the boothe life of:	Status : Answered Chosen Option : 1
).22 Ans	 4. Madhuri Dixit Home Minister Amit Shah has released the both the life of: 1. Narendra Modi 2. Mahatma Gandhi 	Status : Answered Chosen Option : 1





	Manipur, Meghalaya and Tripura celebrated their 48 th Statehood Day o	n:
Ans	1.17 th October, 2019	
	\checkmark 2. 21 st January, 2020	
	 X 3. 11th February, 2020 X 4. 30th June, 2019 	
	4. 30 ⁴⁴ June, 2019	
		Question ID : 8161618196
		Status : Not Answered Chosen Option :
	In which of the following year The Union Public Service Commission w	as formed?
Ans	X 1. 26-11-1948	
	X 2. 23-12-1934	
	X 3. 11-02-1945	
	 ✓ 4. 1-10-1926 	
		Question ID : 8161618209
		Status : Answered Chosen Option : 1
	is the illegal reproduction and distribution of software application	n.
Ans	X 1. Sorting	
	2. Piracy	
	X 3. Cracker	
	X 4. Virus	
		Question ID : 8161618163
		Status : Answered
		Chosen Option : 3
	Scurvy is a disease caused by severe and chronic deficiency of:	
Ans	1. Vitamin K	
	2. Vitamin A	
	✓ 3. Vitamin C	
	🗙 4. Vitamin B	
		Question ID : 8161618174
		Status : Answered Chosen Option : 3





0.27	In which of the following countries is the headquarters of the SAARC So	acrotariat situated?
Ans	1. Afghanistan	ecietariat situateu:
	X 2. Sri Lanka	
	X 3. Bhutan	
	✔ 4. Nepal	
		Question ID : 8161618193
		Status : Answered
		Chosen Option : 4
Q.28	As of January 2020, who is the Expenditure Secretary of India?	
Ans	🗙 1. Rajiv Gauba	
	2. Rajiv Kumar	
	 ✓ 3. T V Somanathan 	
	X 4. P K Sinha	
	A. F. Komma	
		Question ID : 8161618171
		Status : Answered
		Chosen Option : 1
Q.29	Which one of the following states has signed the MoU for ' <mark>Zero Budg</mark> et with the representatives of a German firm, KFW, in January 2020?	Natural Farming'
Ans	1. Andhra Pradesh	
	🗙 2. Bihar	
	3. Arunachal Pradesh	
	4. Sikkim	
		Question ID : 8161618195
		Status : Answered Chosen Option : 4
Q.30	An electric current always produces a/an field.	
Ans	X 1. volatile	
	🗙 2. versatile	
	X 3. kinetic	
	4. magnetic	
		Question ID : 8161618175 Status : Answered
		Chosen Option : 4
		·





Ans	At present, how many observer countries are there in SAARC?	
AIIS	X 1.17	
	× 2.8 × 3.15	
	4.9	
		Question ID : 8161618207
		Status : Not Answered
		Chosen Option :
Q.32	Wing Commander of the Indian Air Force was awarded the 'Vir (Independence Day in 2019.	Chakra' on
Ans	🗙 1. Harjit Singh Arora	
	🗹 2. Abhinandan Varthaman	
	🗙 3. Rakesh Kumar Singh	
	🗙 4. Subroto Mukherjee	
		Question ID : 8161618168 Status : Answered
		Status Alisweleu
	Who was the first External Affairs minister of India after independence	Chosen Option : 2
	 Who was the first External Affairs minister of India after independence 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai 	Chosen Option : 2
Q.33 Ans	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 	Chosen Option : 2
Ans	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3
Ans Q.34	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai 	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3
Ans Q.34	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai 	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3
Ans Q.34	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai With which of the following games is Saikhom Mirabai Chanu associa 1. Badminton	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3
Ans Q.34	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai With which of the following games is Saikhom Mirabai Chanu associa 1. Badminton 2. Shooting 	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3
Ans Q.34	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai With which of the following games is Saikhom Mirabai Chanu associa 1. Badminton 2. Shooting 3. Weightlifting 	Chosen Option : 2 Question ID : 8161618202 Status : Answered Chosen Option : 3 ted?
Ans	 1. Pt. Jawaharlal Nehru 2. Dr. B R Ambedkar 3. Sardar Baldev Singh 4. John Matthai With which of the following games is Saikhom Mirabai Chanu associa 1. Badminton 2. Shooting 3. Weightlifting 	Chosen Option : 2 e? Question ID : 8161618202 Status : Answered Chosen Option : 3





	A 'ring of fire' is a ring of around the Pacific Ocean, which resu oceanic plates beneath lighter continental plates.	
Ans	✓ 1. volcanoes	
	X 2. tides	
	X 3. power	
	4. bush fires	
		Question ID : 8161618190
		Status : Answered Chosen Option : 1
	Melanin is a that protects the eyes from ultraviolet light.	
Ans	1. pigment	
	🗙 2. mineral	
	🗙 3. vitamin	
	🗙 4. glycerol	
		Question ID : 8161618176
		Status : Answered
	The appoints the Chairman and members of Finance Commis	Chosen Option : 1
	 The appoints the Chairman and members of Finance Commiss 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India 	Chosen Option : 1
	 1. Vice President of India 2. President of India 3. Supreme Court of India 	Chosen Option : 1
Ans	 1. Vice President of India 2. President of India 3. Supreme Court of India 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered
Ans 2.38	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered
Ans 2.38	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered
Ans 2.38	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India The study of insects is known as: 1. entomology 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered
Ans 2.38	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India The study of insects is known as: 1. entomology 2. mycology 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered
Ans Q.38	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India The study of insects is known as: 1. entomology 2. mycology 3. philology 	Chosen Option : 1 Sision. Question ID : 8161618206 Status : Answered Chosen Option : 2
Ans	 1. Vice President of India 2. President of India 3. Supreme Court of India 4. Prime Minister of India The study of insects is known as: 1. entomology 2. mycology 3. philology 	Chosen Option : 1 sion. Question ID : 8161618206 Status : Answered





	X 1.11	
	2.7	
	🗙 3. 9	
	X 4. 14	
		Question ID : 8161618210
		Status : Answered Chosen Option : 3
_		
	is a hormone that is produced by the pancreas and he levels.	elps in regulating blood sugar
IS	1. Growth harmone	
	2. Insulin	
	•	
	X 3. Oestrogen	
	🗙 4. Thyroxin	
		Question ID : 8161618181
		Status : Answered
		Chosen Option : 2
IS	X 1. Maldives	
	 2. Sri Lanka 3. Bhutan 4. Nepal 	Question ID : 8161618170 Status : Answered Chosen Option : 1
	X 3. Bhutan X 4. Nepal	Status : Answered Chosen Option : 1
	X 3. Bhutan X 4. Nepal	Status : Answered Chosen Option : 1
	X 3. Bhutan X 4. Nepal	Status : Answered Chosen Option : 1
	X 3. Bhutan X 4. Nepal When is mixed with nickel and chromium, we get stail X 1. copper X 2. zinc	Status : Answered Chosen Option : 1
	 3. Bhutan 4. Nepal When is mixed with nickel and chromium, we get stail 1. copper 2. zinc 3. iron 	Status : Answered Chosen Option : 1
42 1s	X 3. Bhutan X 4. Nepal When is mixed with nickel and chromium, we get stail X 1. copper X 2. zinc	Status : Answered Chosen Option : 1
	 3. Bhutan 4. Nepal When is mixed with nickel and chromium, we get stail 1. copper 2. zinc 3. iron 	Status : Answered Chosen Option : 1
	 3. Bhutan 4. Nepal When is mixed with nickel and chromium, we get stail 1. copper 2. zinc 3. iron 	Status : Answered Chosen Option : 1





Q.43	Which of the following articles of the Indian Constitution prohibits e in factories?	mployment of children
ns	🗙 1. Article 34	
	X 2. Article 35	
	X 3. Article 27	
	4. Article 24	
	•	
		Question ID : 8161618208
		Status : Answered Chosen Option : 4
44	As of January 2020, where is the headquarters of BCCI situated?	
ns	✔ 1. Mumbai	
	🗙 2. Hyderabad	
	🗙 3. Bengaluru	
	🗙 4. New Delhi	
		Question ID : 8161618211 Status : Answered
		Chosen Option : 4
	 2. Karat 3. Watt 4. Knot 	
		Question ID : 8161618178 Status : Answered Chosen Option : 2
.46	What does HTTPS stand for?	
ns	X 1. Hyper Text Transport Protocol Secure	
	2. Hyper Text Transfer Protocol Secure	
	🗙 3. Hyper Transfer Tariff Protocol System	
	🗙 4. Hyper Transport Tariff Protocol System	
		Question ID : 8161618164 Status : Answered Chosen Option : 2



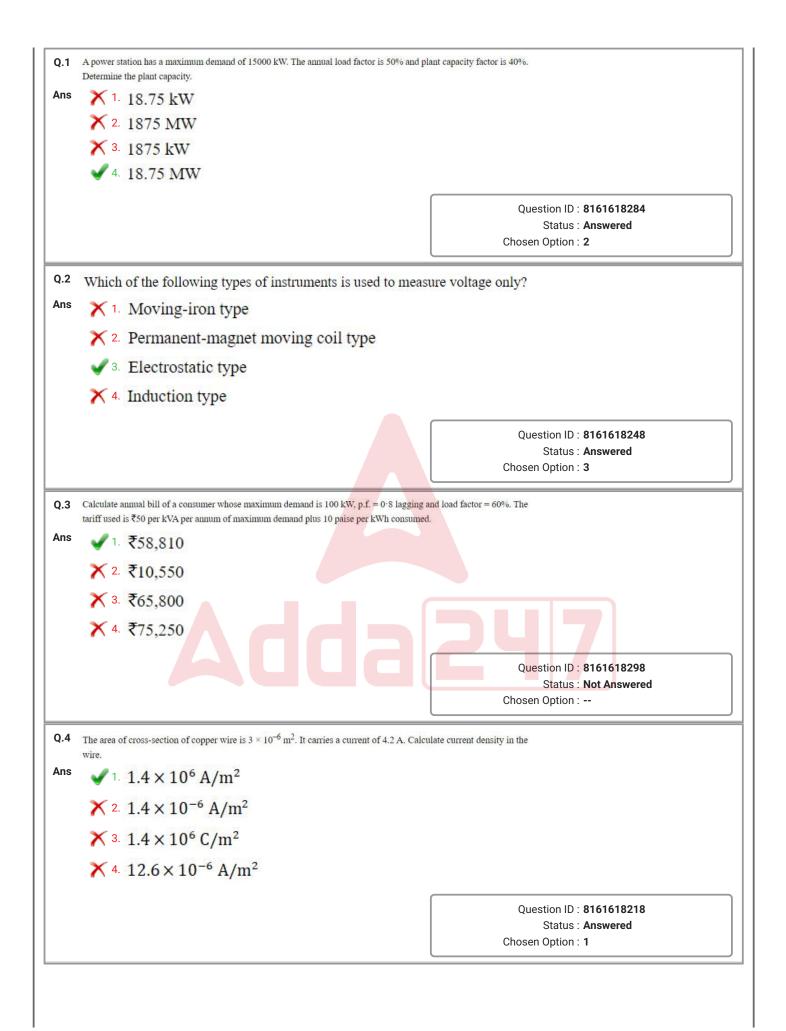


Q.47	Lord Mahavira was born in present-day state of:	
Ans	🗙 1. Punjab	
	🗙 2. Gujarat	
	🗙 3. Maharashtra	
	✔ 4. Bihar	
		Question ID : 8161618203 Status : Answered
		Chosen Option : 4
Q.48	An electric is the most important safety device, used for protect short-circulating or overloading of the circuits.	ing the circuits due to
Ans	1. fuse	
	2. motor	
	X 3. magnet	
	X 4. generator	
		Question ID : 8161618186
		Status : Answered Chosen Option : 1
Q.49 Ans	Jaundice affects newborn babies when they have too much bilirubin in 1. blood 2. pancreas 3. lungs 	tneir:
	X 4. kidneys	
		Question ID : 8161618180 Status : Answered Chosen Option : 2
	Which of the following is the largest hydroelectric dam in the world in t production?	erms of electricity
Ans	🗙 1. Tarbela Dam	
	🗙 2. Longtan Dam	
	✓ 3. Three Gorges Dam	
	4. Hirakud Dam	
		Question ID : 8161618194
		Status : Not Answered Chosen Option :

Section : General Engineering Electrical







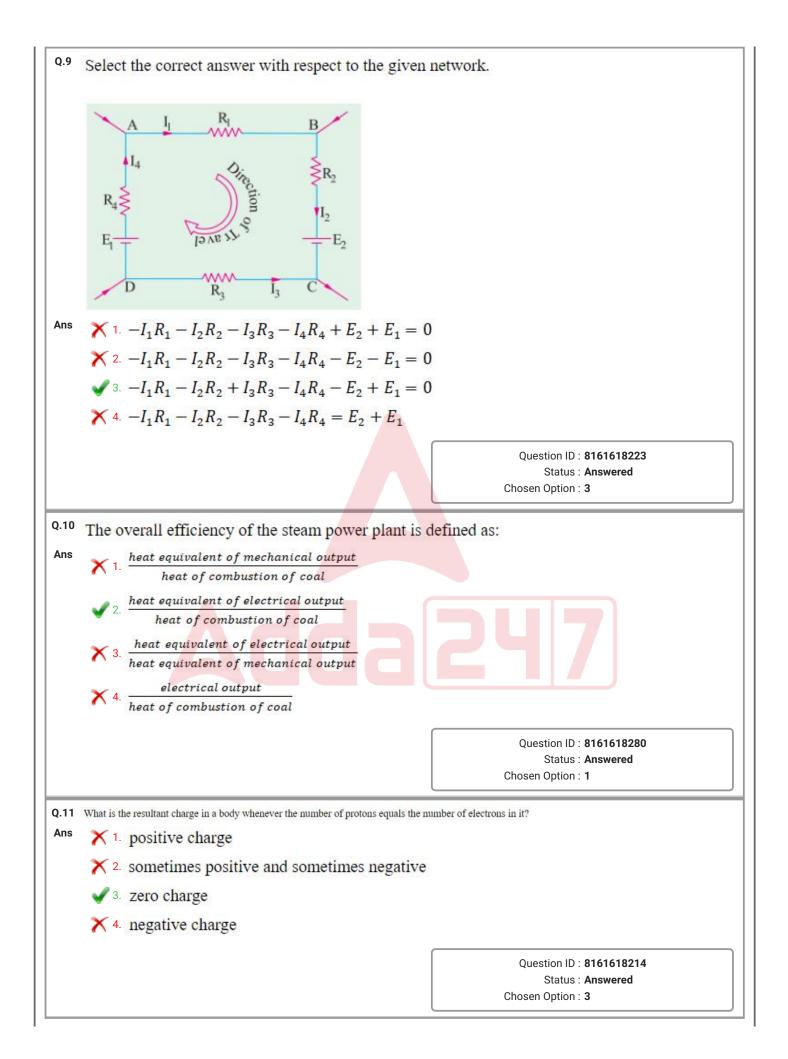




Q.5	The rate at which electrical energy is supplied to a consumer is known as:			
Ans	× 1. energy rate			
	 2. tariff 3. power rate 			
	Question ID : 8161618294			
	Status : Answered Chosen Option : 2			
Q.6	With respect to electric heating, select the INCORRECT statement.			
Ans	✗ 1. Working with electric furnaces is convenient and cool.			
	X 2. It is a clean system of heating.			
	✓ ^{3.} Poor efficiency			
	X 4. No flue gases are produced.			
	Question ID : 8161618305			
	Status : Answered			
	Chosen Option : 1			
Q .7	What is the fundamental angular frequency of a square wave with a period of 0.02 s?			
Ans	\times 1. 200 π rad/s			
	\times 2. 150 π rad/s			
	\checkmark 3. 100 π rad/s			
	\times 4 50 π rad/s			
	Question ID : 8161618239			
	Status : Answered Chosen Option : 3			
Q.8	The flow of small current during the reverse biased condition in a diode is known as:			
ns	X 1. majority carrier current			
	× 2. biased current			
	× 3. peak current			
	✓ 4. leakage current			
	Question ID : 8161618307			
	Status : Answered Chosen Ontion : 4			
	Chosen Option : 4			

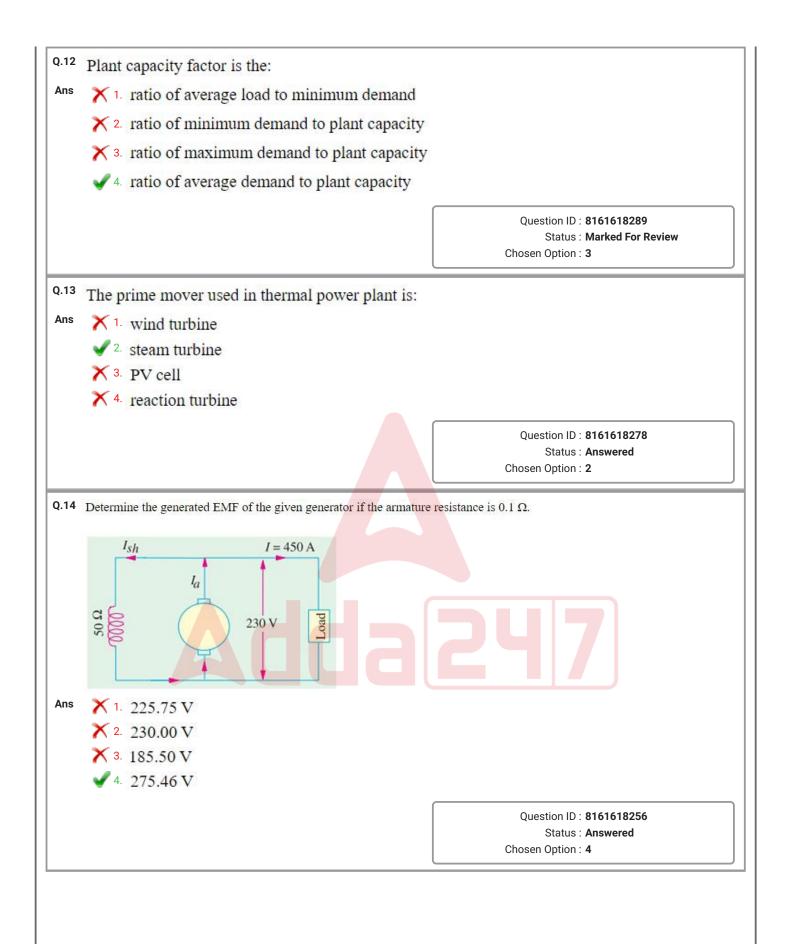






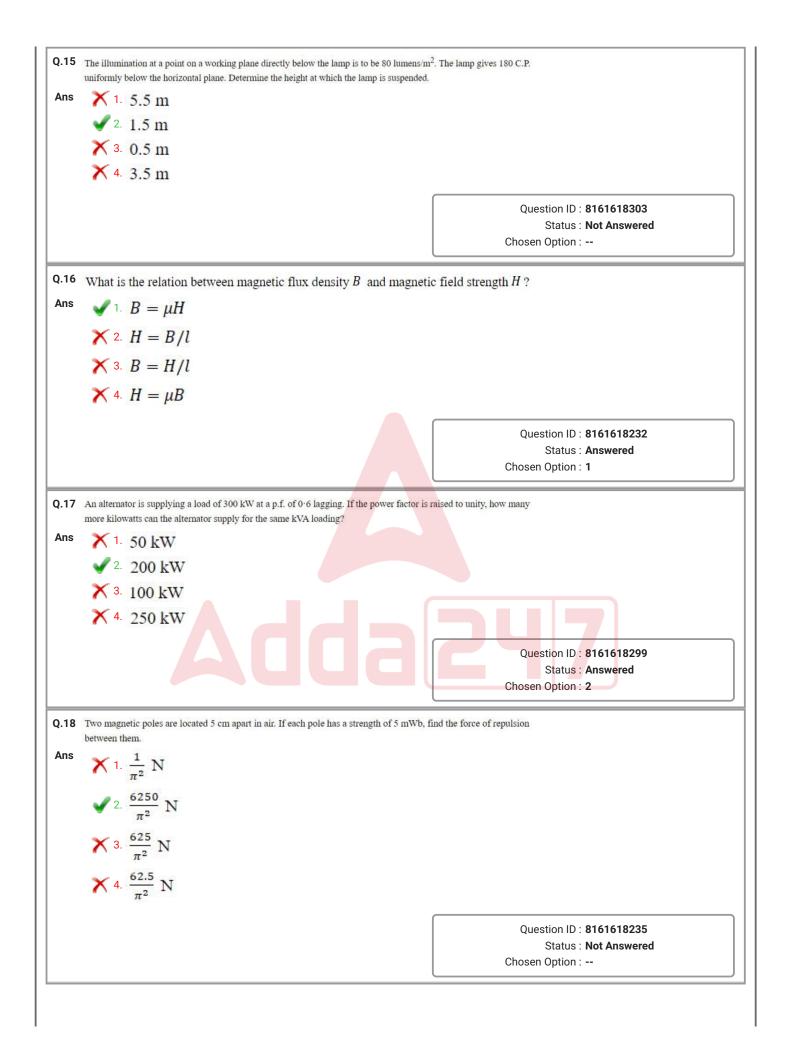






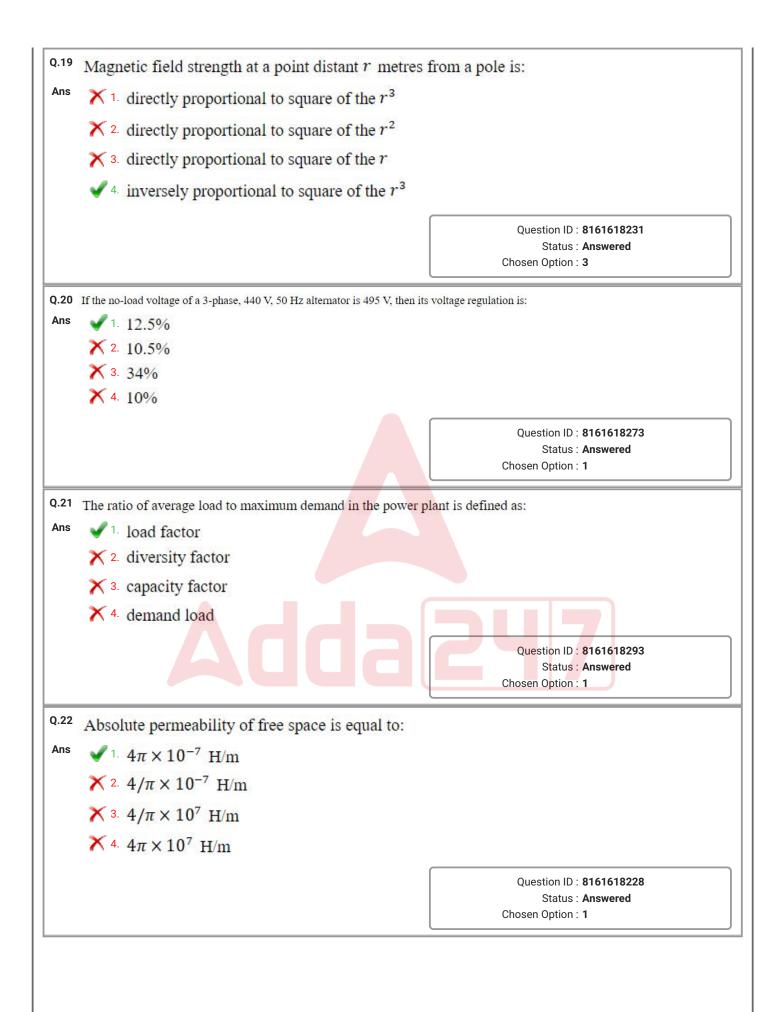






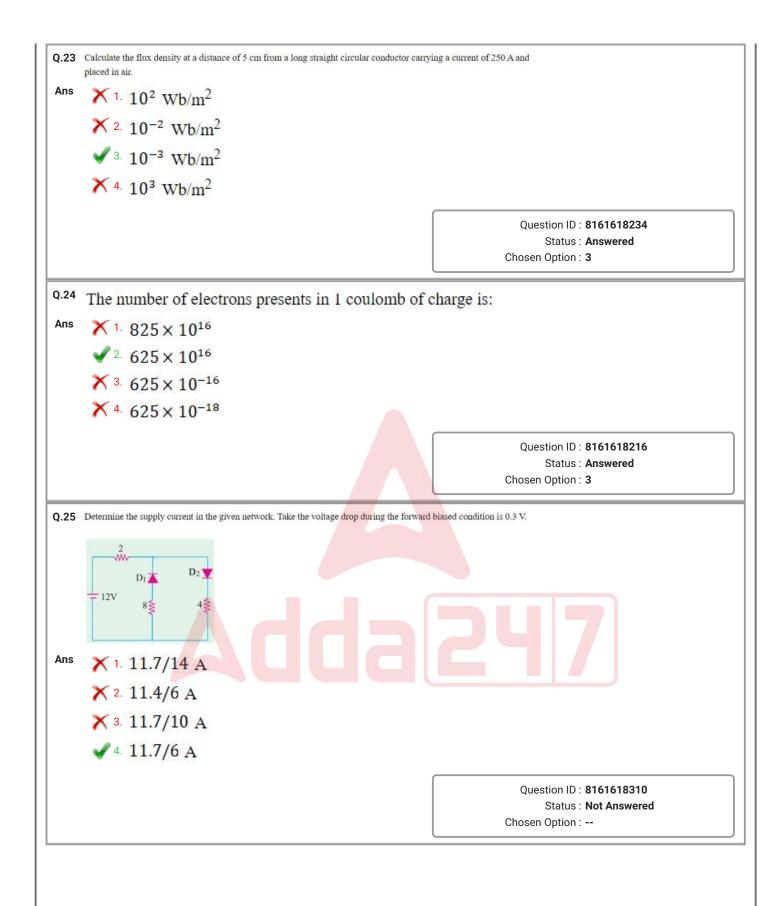






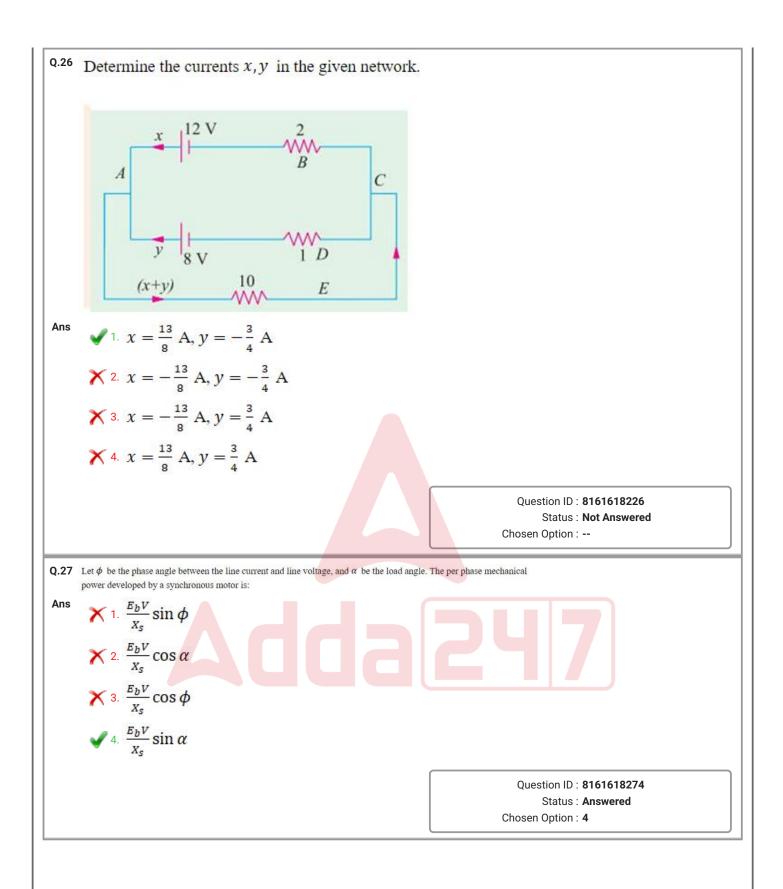
















٨٣٠	plus the algebraic sum of the EMFs in that path is:	
Ans		
	2. zero	
	× 3. three	
	X 4. two	
	Question ID : 8161618222	
	Status : Answered	
	Chosen Option : 2	
Q.29	In alternators, the ratio of the vector sum of the induced EMFs per coil to the arithmetic sum of the induced EMFs per coil is defined as:	
Ans	× 1. power factor	
	2. pitch factor	
	× 3. pole pitch	
	× 4. form factor	
	Question ID : 8161618270 Status : Answered	
	Chosen Option : 2	
Q.30	The sine waveform produces the disturbance in the electrical circuit and is the smoothest and	
Ans		
	× 2. Least, poor efficient waveform	
	✓ 3. Least, efficient waveform	
	X 4. most, efficient waveform	
	Question ID : 8161618237	
	Status : Answered	
	Chosen Option : 3	
Q.31	In an ammeter, The deflecting torque is proportional to the current passing through it, and the instrument has full scale deflection of 80° for a current of 5 A. What deflection will occur for a current of 2.5 A when the instrument is spring-controlled?	
Ans		
	× 2. 35°	
	× 3. 45°	
	✓ 4. 40°	
	Question ID : 8161618250	
	Status : Answered	
	Chosen Option : 1	

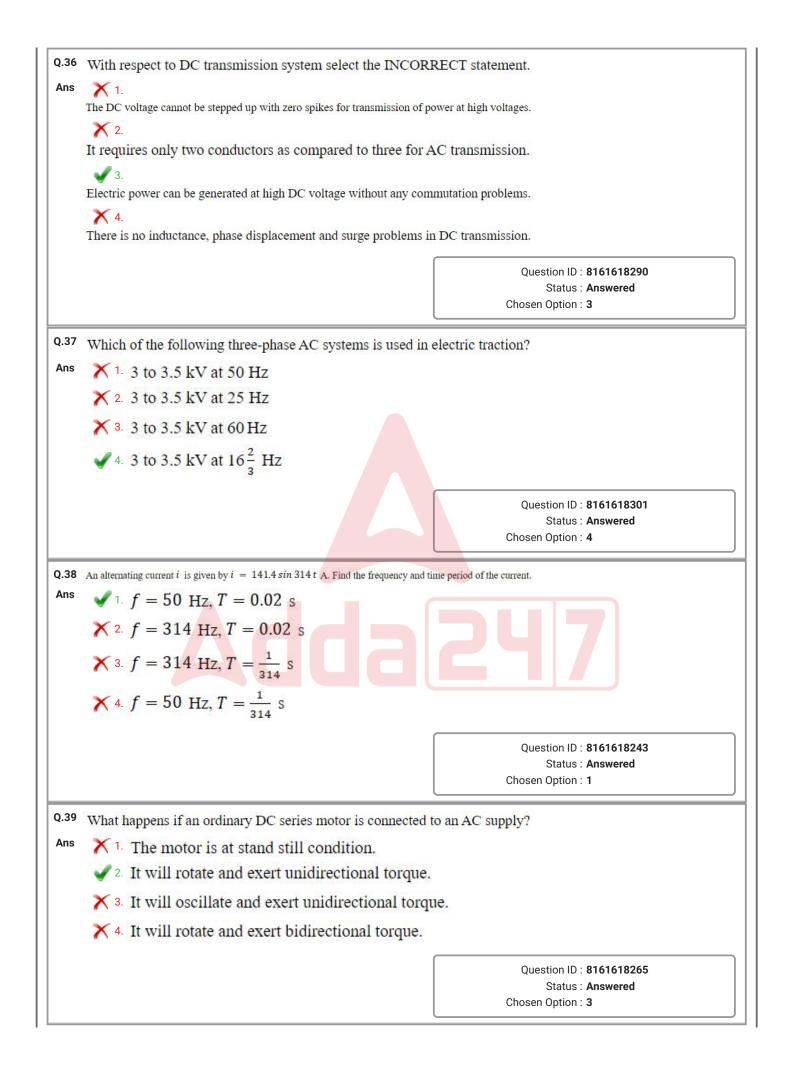




Q.32	In a steam power plant, the condensate from the condenser is used:
Ans	In a steam power plant, the condensate from the condenser is used:
7.110	X 1. to cool the generator
	 ² as feed water to the boiler
	X ^{3.} to cool the turbine
	\times 4. to cool the boiler
	Question ID : 8161618279
	Status : Answered Chosen Option : 2
Q.33	A moving-coil ammeter has springs giving a control constant of 0.2×10^{-6} Nm/degree. If the deflecting torque on the instrument is 24×10^{-6} Nm, find the angular deflection of the pointer.
Ans	$\sqrt{1.120^\circ}$
	× 2. 40°
	× 3. 90°
	× 4. 100°
	Question ID : 8161618251 Status : Answered
	Chosen Option : 1
Q.34	The electrons in the outermost orbit of an atom are known as:
Ans	X 1. strong bond electrons
	\times 2. drift electrons
	\times 3. non-conductive electrons
	✓ 4. valence electrons
	Question ID : 8161618215 Status : Answered
	Chosen Option : 4
Q.35	In AC transmission system the load current is:
Ans	X 1 inversely proportional to square of power factor
	 2. inversely proportional to power factor
	X 3. directly proportional to power factor
	X 4. independent of power factor
	Question ID : 8161618287
	Status : Answered
	Chosen Option : 2

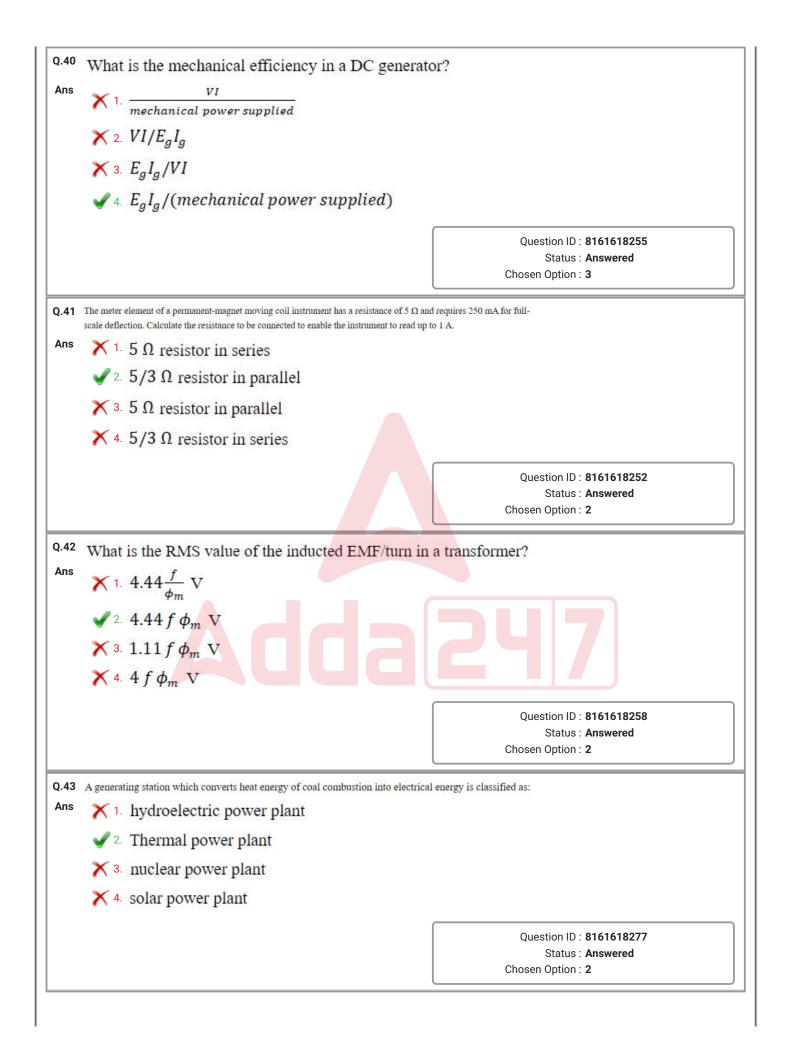






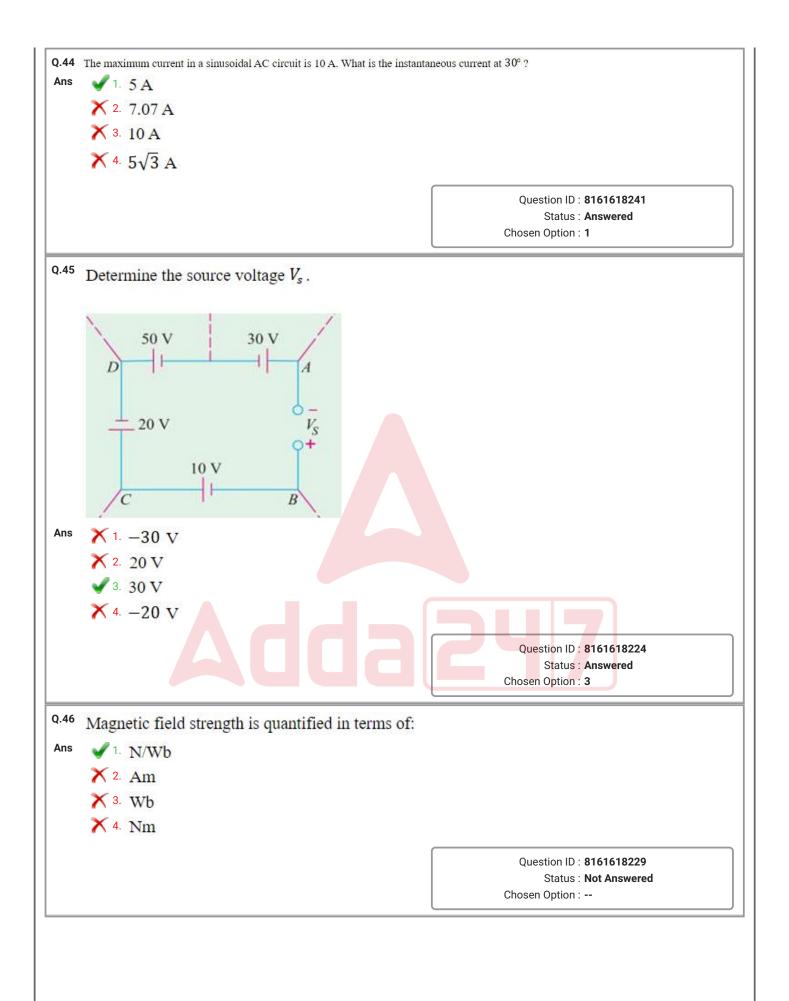












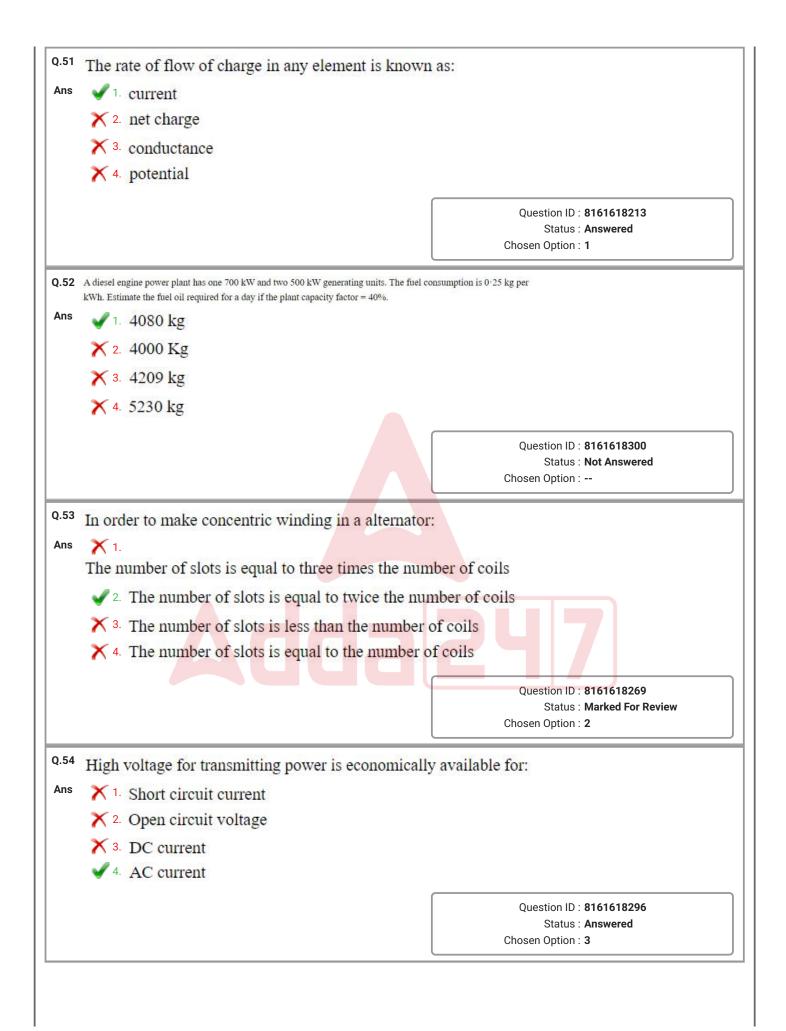




Q.47	7 The volume of conductor material required in the three wire DC system is times that required system.	nired for 2-wire DC
Ans		
	× 2. 2	
	★ 3. 2.5	
	X 4. 3	
		Question ID : 8161618292 Status : Answered
		Chosen Option : 1
Q.48	A steam power station has thermal efficiency of 30% and electrical efficiency of 90%, what is the o the station?	werall efficiency of
Ans	✓ 1. 27%	
	2. 33%	
	∑ 3. 90%	
	X 4. 30%	
		Question ID : 8161618281 Status : Answered
		Chosen Option : 1
Q.49	In electrical system, when there is a fixed rate per unit of energy consumed	d, it is called a:
Ans	➤ 1 flat rate tariff	
	🗙 2. two-part tariff	
	✓ ^{3.} uniform rate tariff	
	× 4 block rate tariff	
		Question ID : 8161618295 Status : Answered
		Chosen Option : 3
Q.50	In a DC generator, whenever the rotating armature coil is parallel to the	e lines of flux:
Ans		unders water opposite TT 1102-14
	✓ 2.	
	the flux linked with the coil is minimum and rate of change of flux linkage	e is maximum
	\times ³ the flux linked with the coil is maximum	
	X 4.	
	the flux linked with the coil is maximum and rate of change of flux linkag	ge is minimum
		Question ID : 8161618253
		Status : Answered

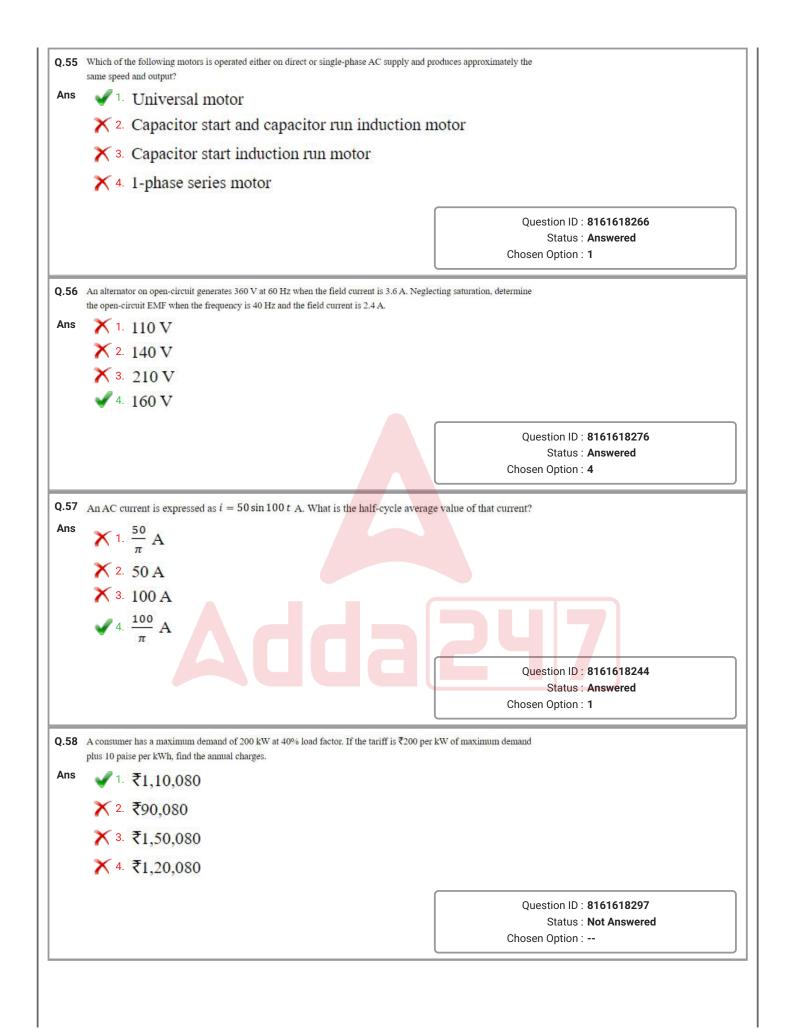






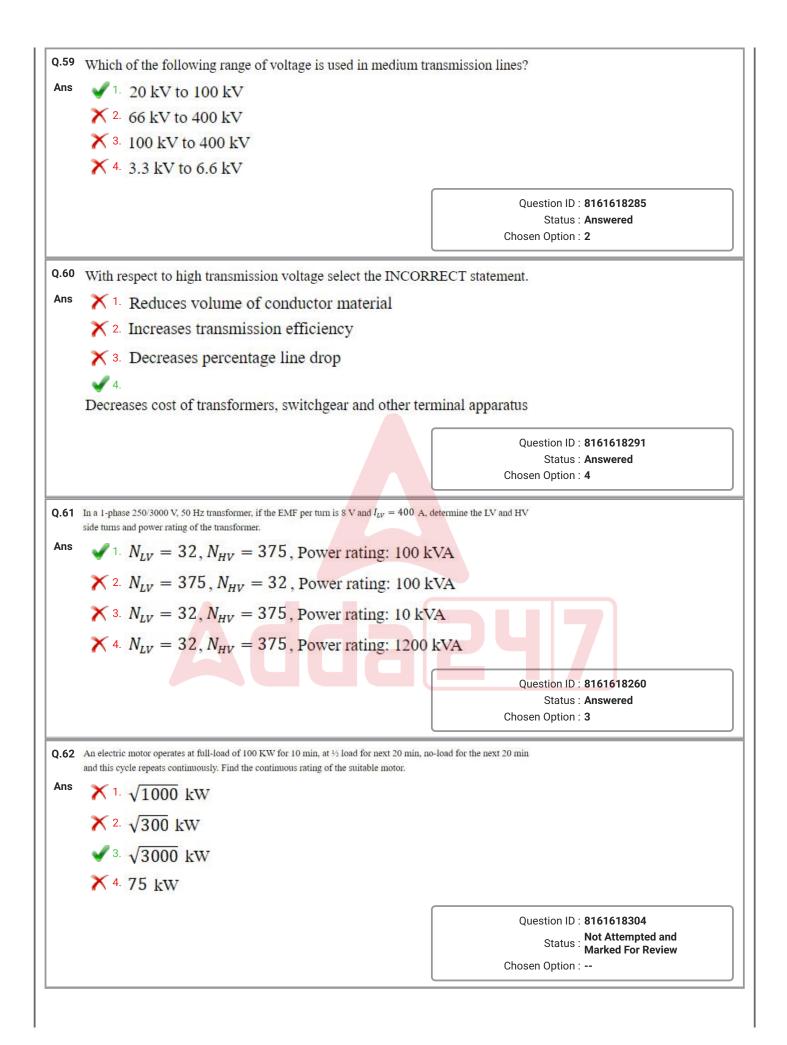






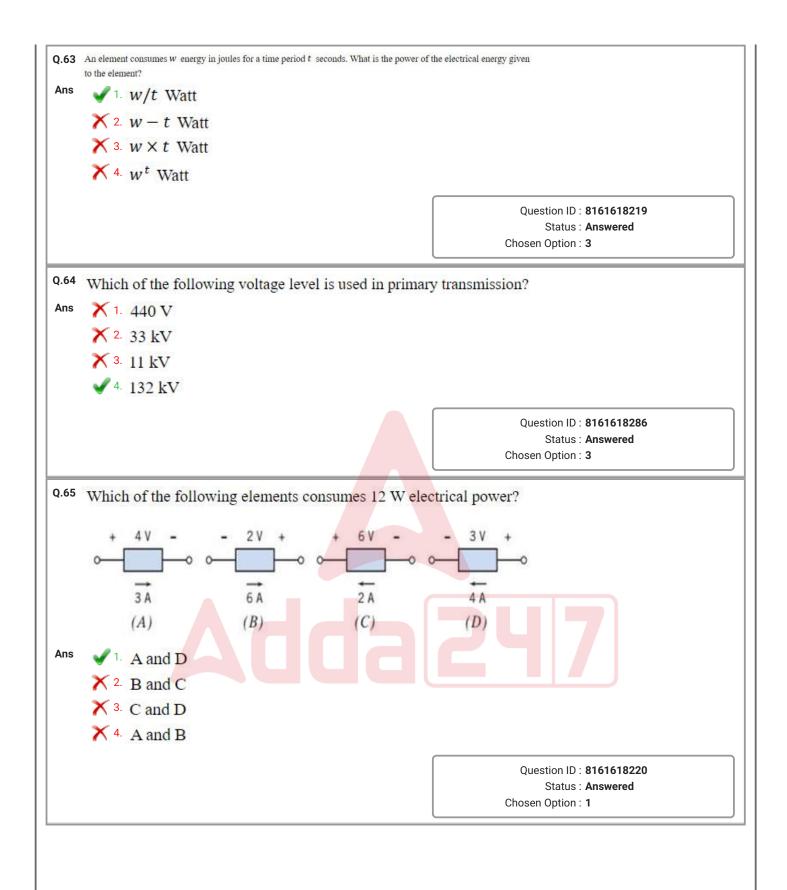






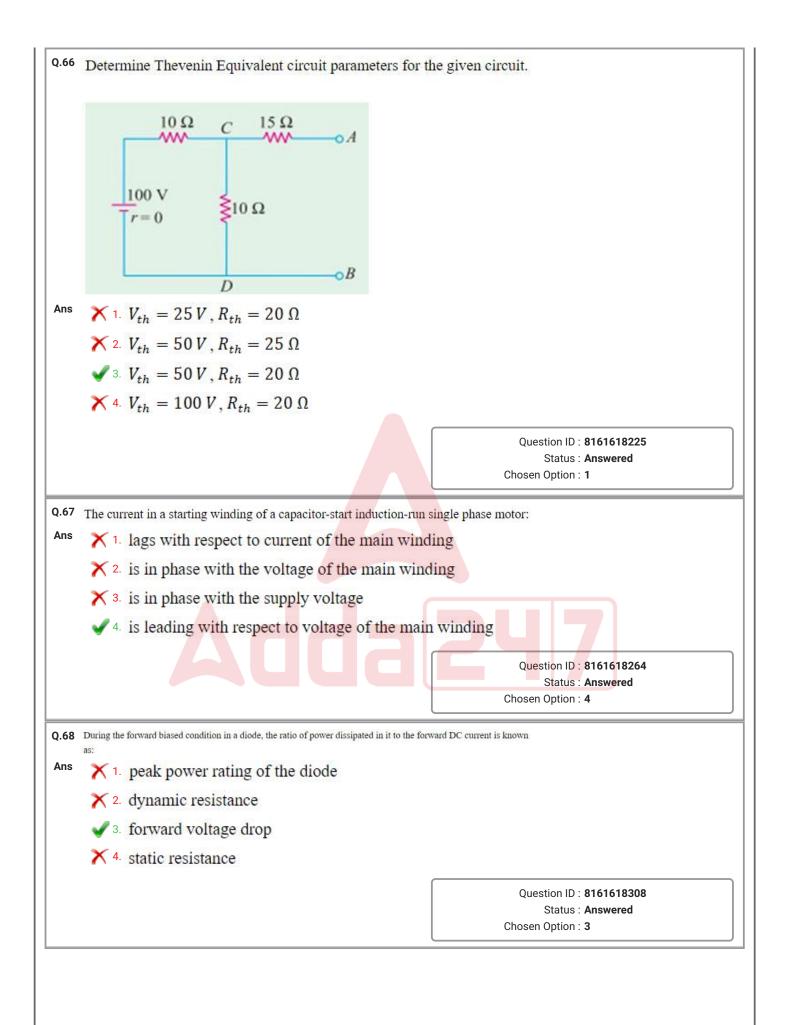






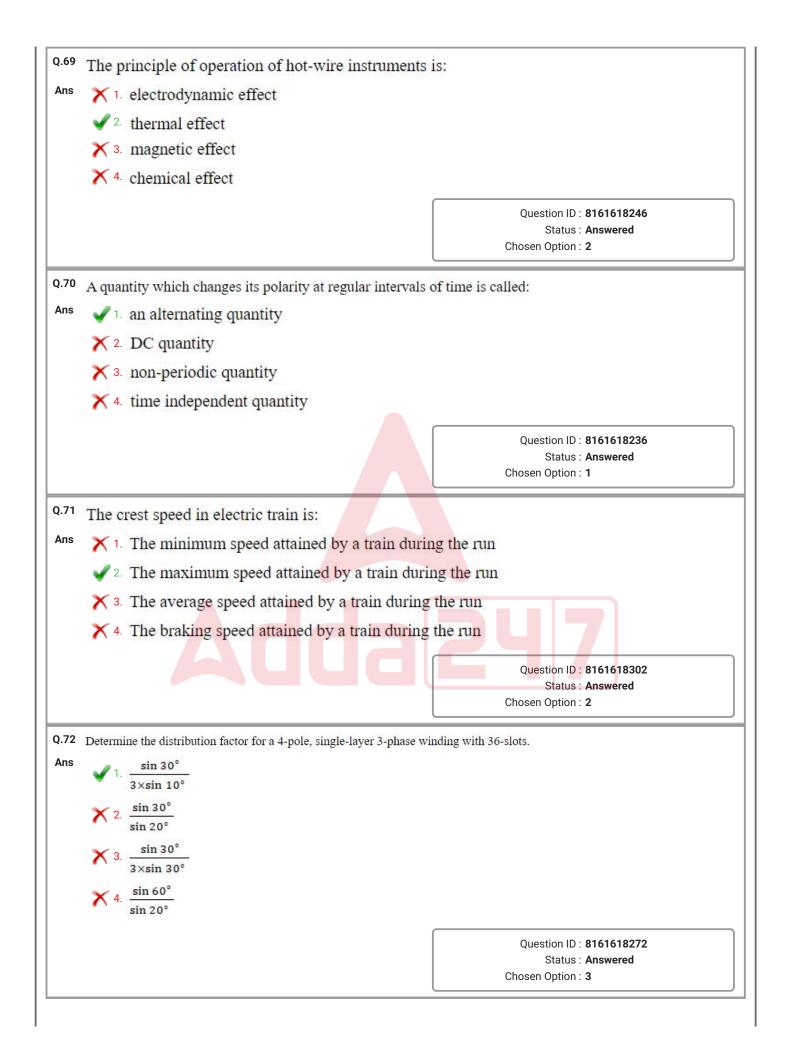






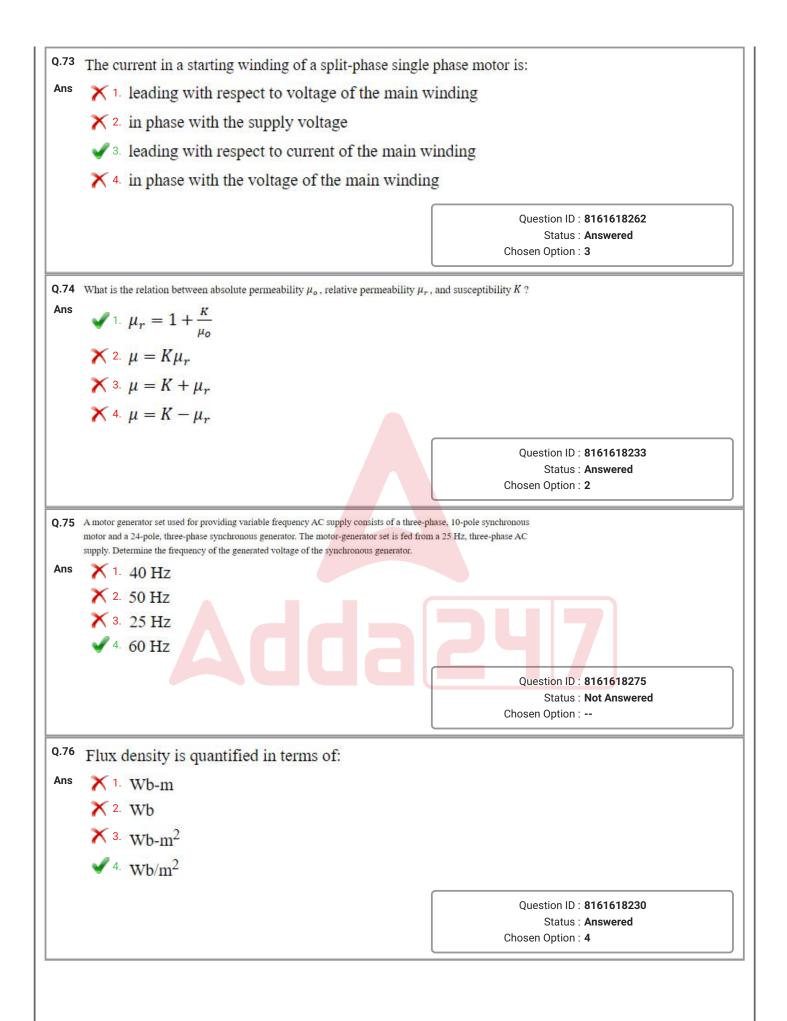












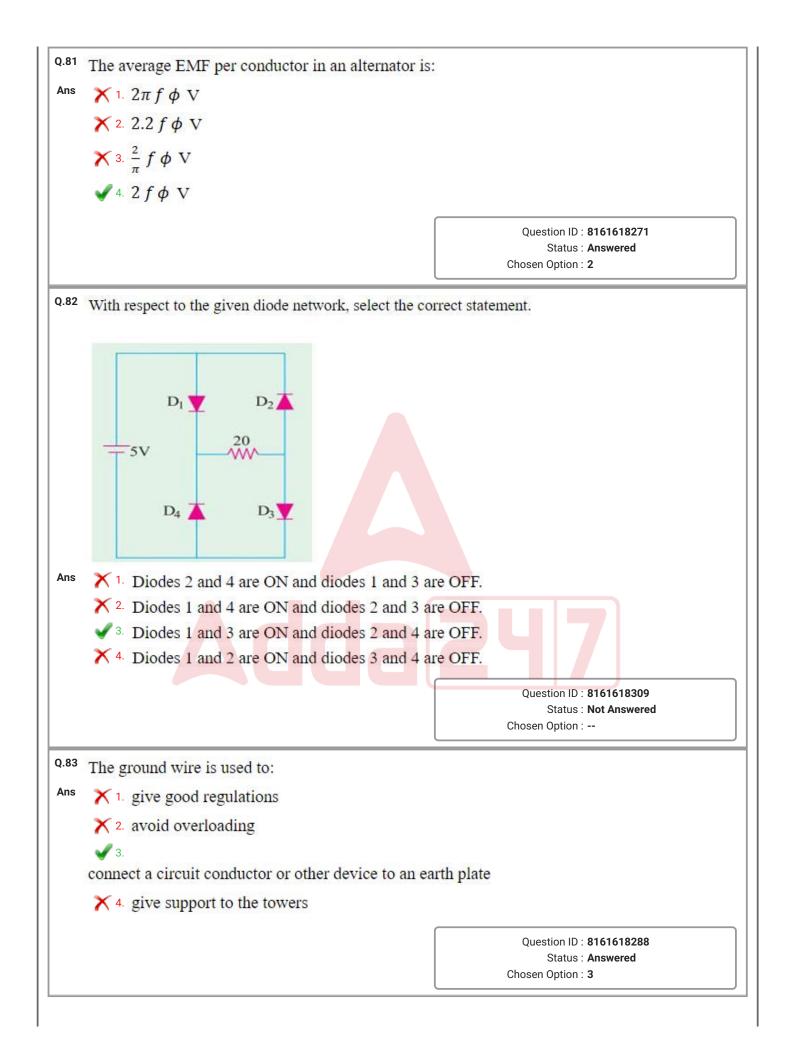




ns	is the physical property of an element or device that impedes the flow of current.			
	× 2. Voltage			
	X 3. Power			
	X 4. Conductance			
	Question ID : 8161618221 Status : Answered			
	Chosen Option : 1			
.78	In a DV machines, the distance between two adjacent poles can be defined as:			
Ans	✗ 1. pole size			
	X 2. armature length			
	✓ ^{3.} pole-pitch			
	X 4. coil length			
	Ouestion ID : 8161618254			
	Status : Answered			
	Chosen Option : 3			
Q.79	Which motor is preferred for automatic drives?			
Ans	✗ 1. Three-phase induction motor			
	✓ 2. Ward Leonard controlled DC motors			
	✗ 3. Single-phase induction motor			
	× 4. Synchronous motor			
	Question ID : 8161618306 Status : Answered			
	Chosen Option : 2			
.80	Select the INCORRECT option with respect to repulsion type motor.			
Ans	X 1. Commutator is used			
	× 2. One stator winding			
	✓ 3. Rotor similar to squirrel cage induction motor			
	X 4. A set of brushes used			
	Question ID : 8161618263			
	Status : Answered Chosen Option : 3			

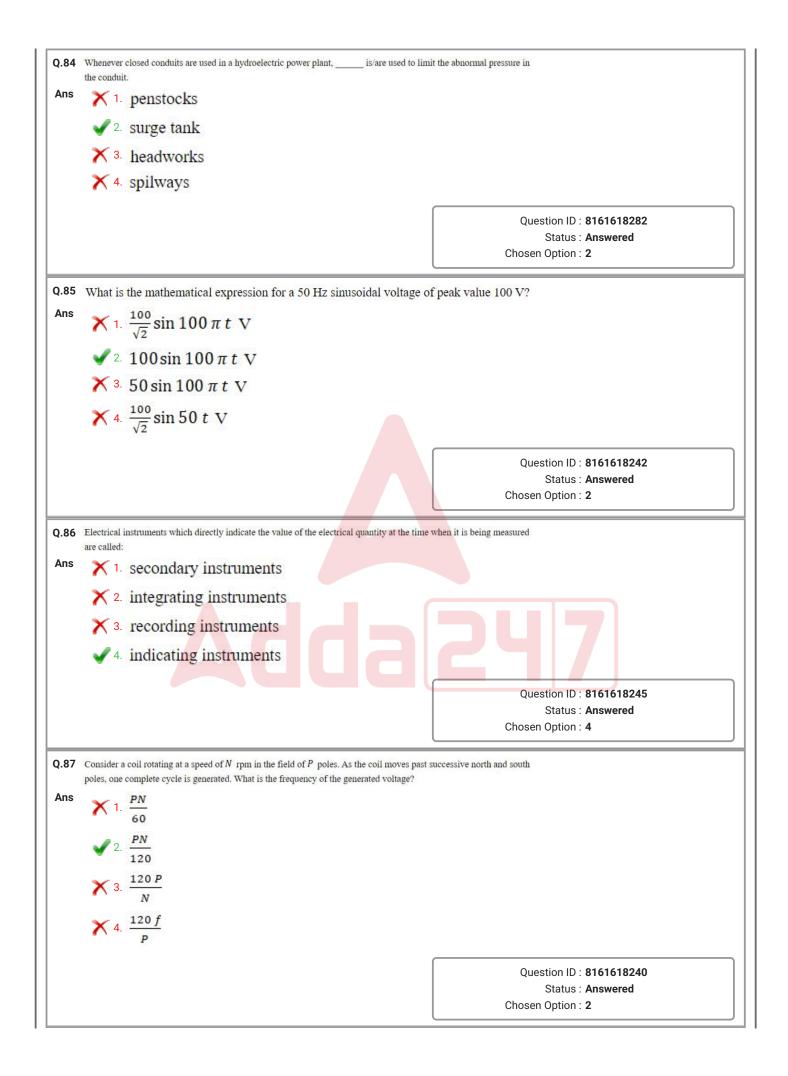






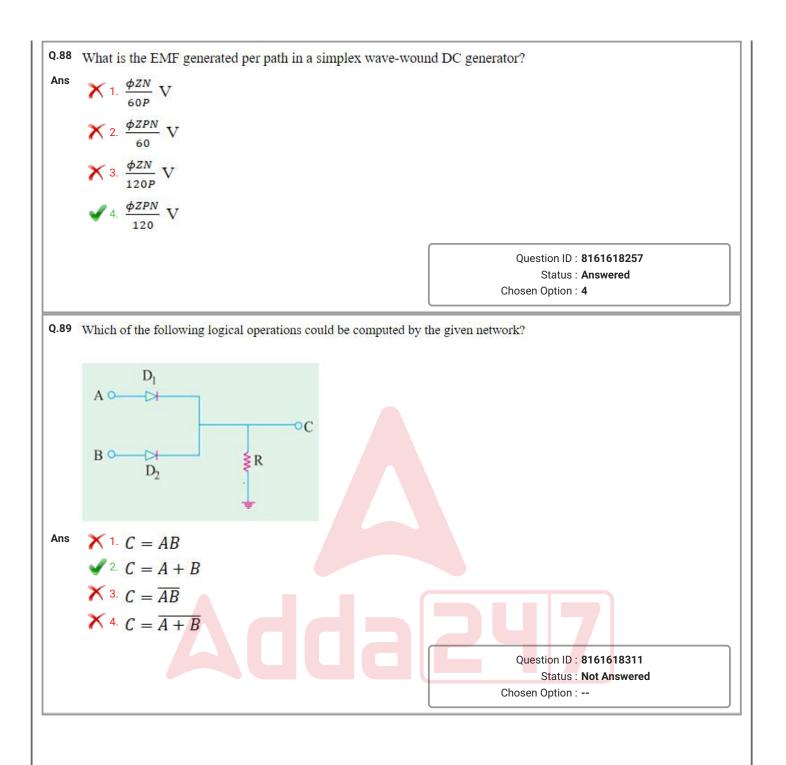






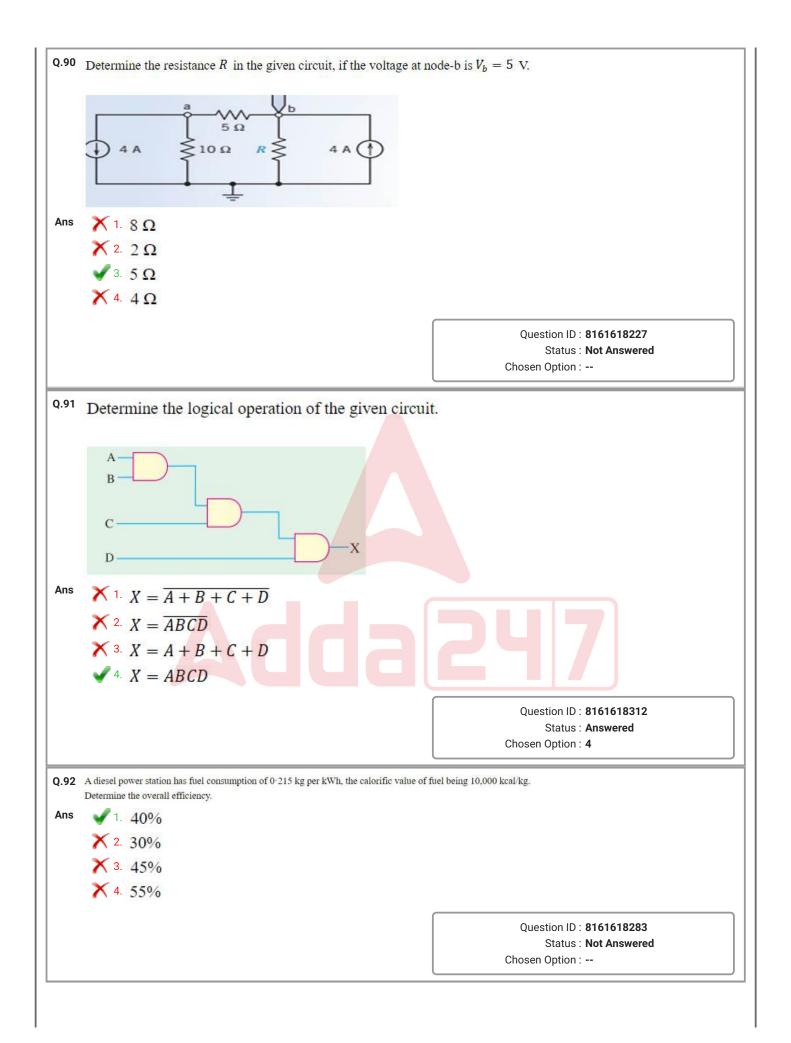






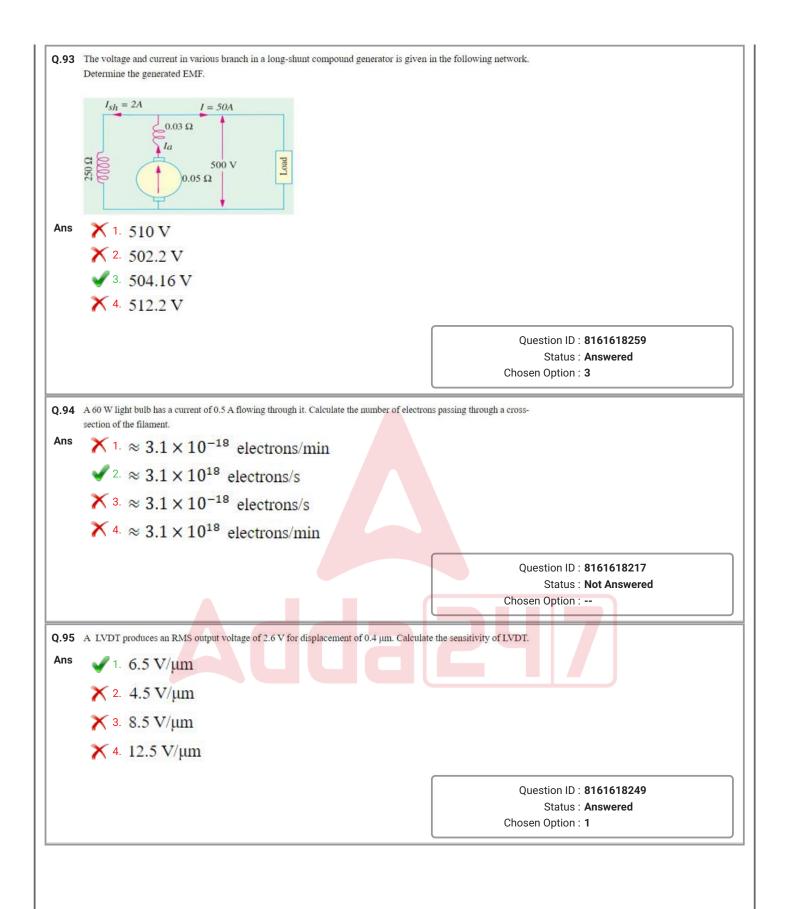
















Q.96	The rotor of a single phase induction motor is running at N rpm, what is the slip with respect to forward rotating flux?
Ans	\times 1. $\frac{N}{N_{\pi}}$
	$\sqrt{2} (N_s - N)/N_s$
	\times 3. $(N + N_s)/N_s$
	\times 4. $(N-N_s)/N_s$
	Question ID : 8161618261 Status : Answered
	Chosen Option : 2
Q.97	A 8-kW, 4-pole, 220-V, 50-Hz reluctance motor has a torque angle of 30° when operating under rated load conditions. Calculate the load torque.
Ans	🖌 1. 51 Nm
	× 2. 4.3 Nm
	× 3. 43 Nm
	★ 4. 5.1 Nm
	Question ID : 8161618267
	Status : Not Answered
	Chosen Option :
Q.98	How to extract maximum torque in a single phase repulsion type motor?
Ans	★ 1.
	The angle between brush axis and stator field axis must be equal to 180°.
	★ 2.
	The angle between brush axis and stator field axis must be equal to 0° .
	X 3.
	The angle between brush axis and stator field axis must be equal to 90°.
	\checkmark 4.
	The angle between brush axis and stator field axis must be equal to 45°.
	Question ID : 8161618268
	Status : Answered Chosen Option : 3
Q.99 Ans	set(s) of positive and negative values of an alternating quantity is/are known as a cycle.
AIIS	× 1. Three complete
	2. One complete
	X 3. Two complete
	X 4. Four complete
	Question ID : 8161618238
	Status : Answered Chosen Option : 2





