

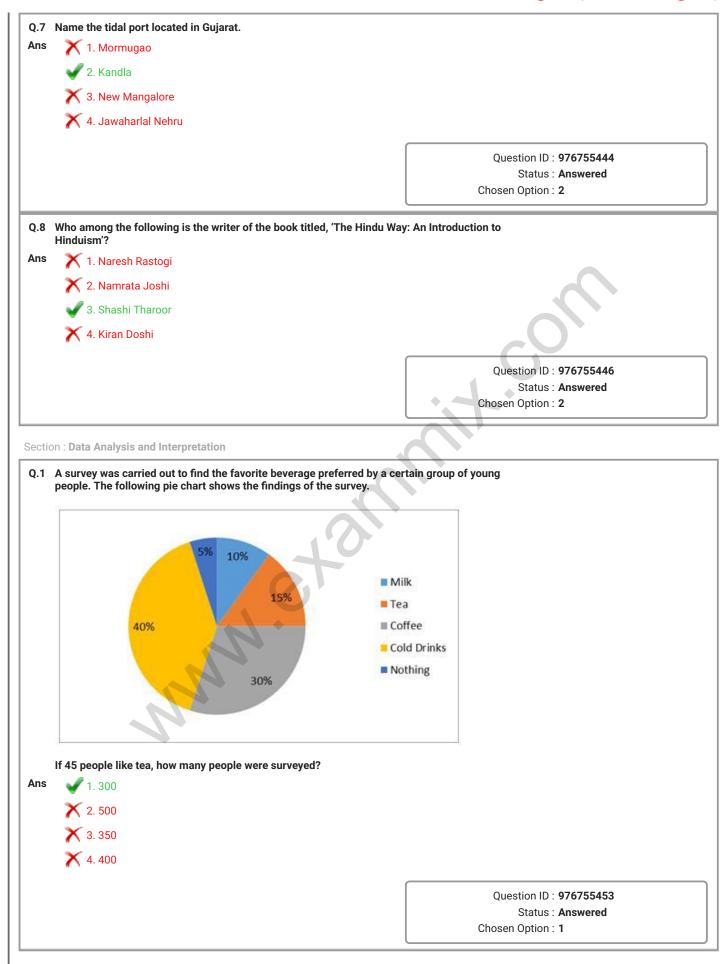
एनर्जी एफिशिएंसी सर्विसेज़ लिमिटेड भारत सरकार, विद्युत मंत्रालय के सार्वजनिक क्षेत्र के उपक्रम की संयुक्त उद्यम कंपनी

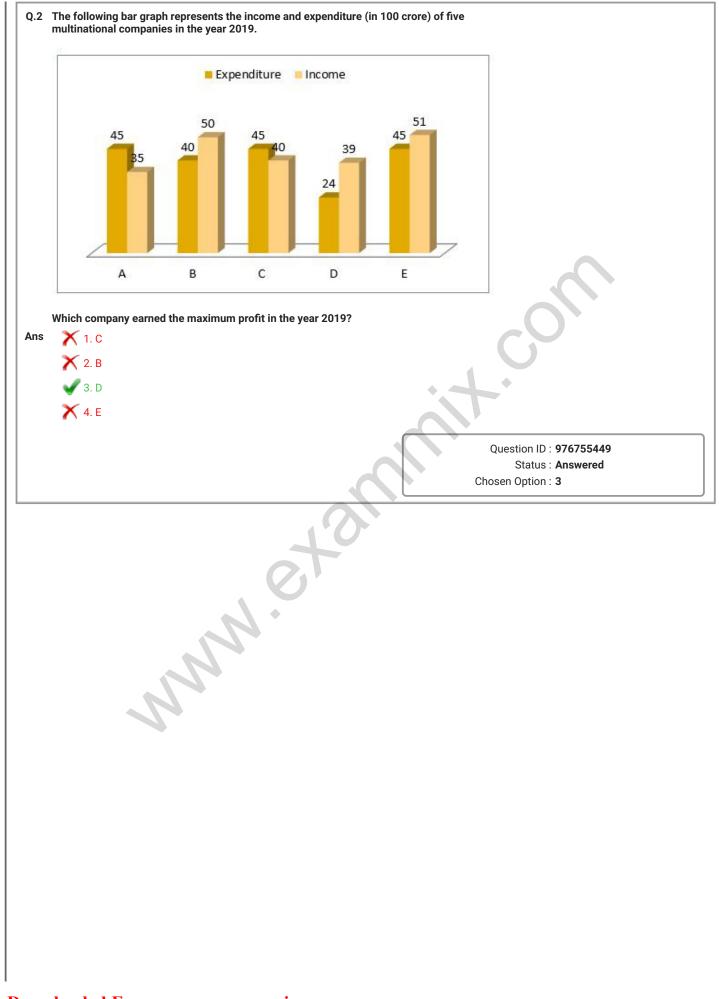
ENERGY EFFICIENCY SERVICES LIMITED A JV of PSUs under the Ministry of Power

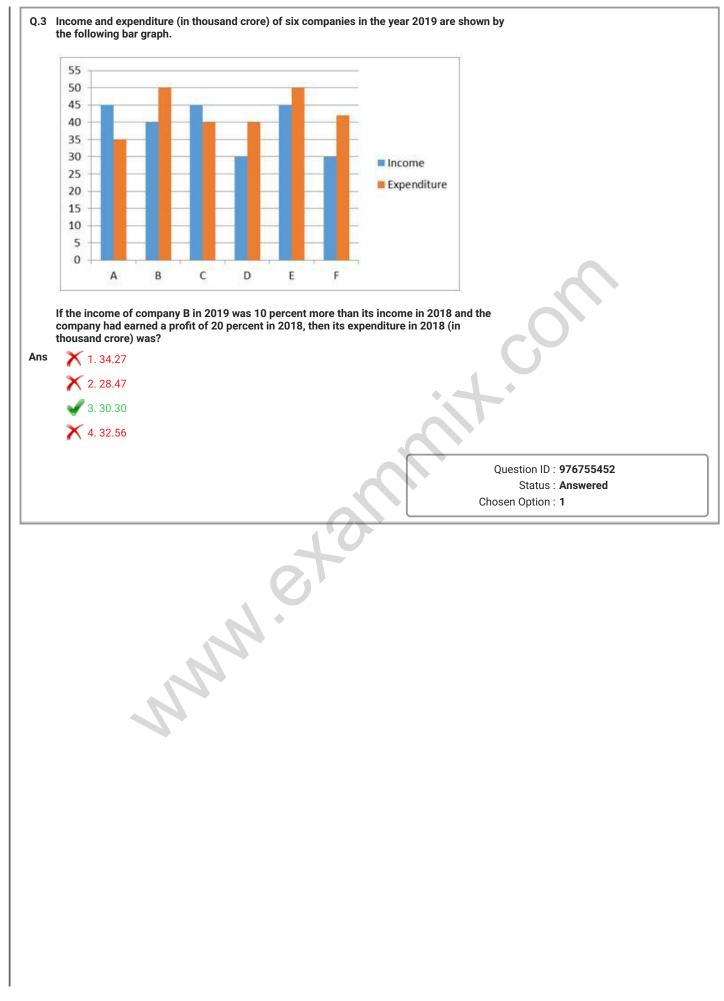
Participant ID Participant Name	www.exammix.com
Test Center Name	
Test Date	23/10/2020
Test Time	2:00 PM - 4:00 PM
Subject	Engineer (Technical)

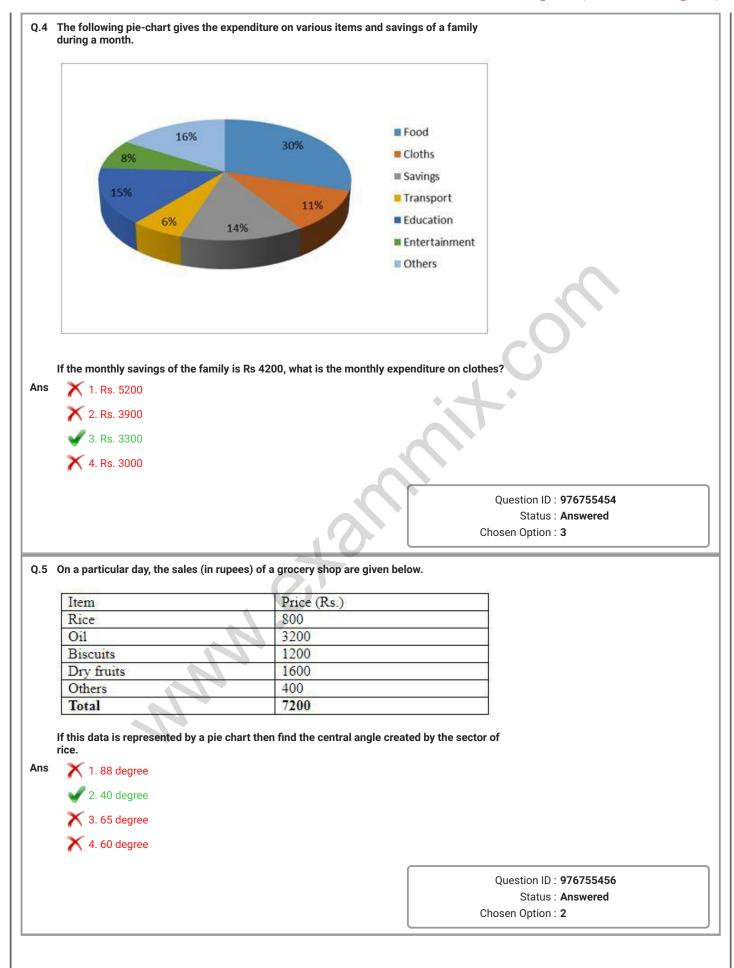
Ans	The festival, celebrated near the Junagarh Fort in Bikaner, the month of January.	nit
	13	Question ID : 976755441 Status : Answered Chosen Option : 3
}.2	A team of researchers at the University of Waterloo in Canada has do assistant tool that lets people with impairments to browse we possible from smart speakers and similar devices.	eveloped a novel voice eb content as quickly as
2.2	assistant tool that lets people with impairments to browse we	eveloped a novel voice eb content as quickly as

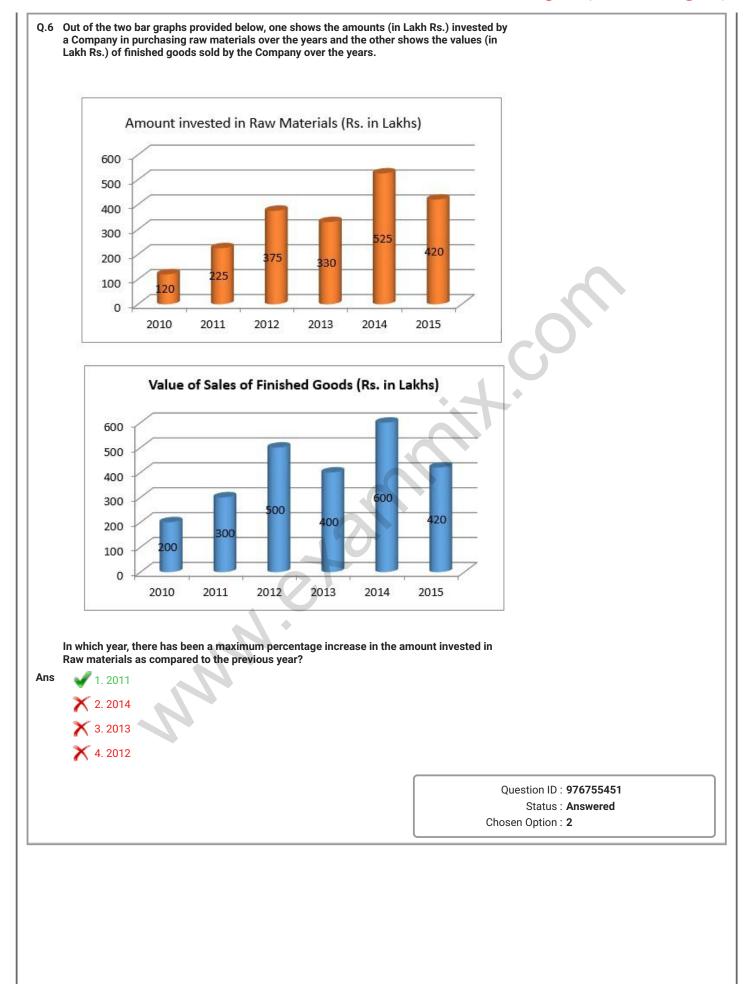
 1. Uttarakhand 2. Himachal Pradesh 3. Arunachal Pradesh 4. Nagaland 	
3. Arunachal Pradesh	
🔨 4. Nagaland	
	Question ID : 976755447
	Status : Not Answered
	Chosen Option :
e team of researchers at the Massachusetts Institute of Technology (from a newly born black hole.	(MIT), have detected
-	
K 4. ultra-rays	
	Question ID : 976755443
	Status : Answered
	Chosen Option : 2
o among the following is conferred with Padma Vibhushan Award 20 ort?	20 in the field of
🔨 1. Saina Nehwal	
2. Sauray Ganguly	*
4. Mary Kom	
	Question ID : 976755445
	Status : Answered
	Chosen Option : 4
ia's ace queist	onshin in Doha on
e 21, 2019 to complete a career Grand Slam in Snooker.	
1. Pankaj Advani	
 2. Abhijeet Gupta 3. D. Gukesh 	
🔨 3. D. Gukesh	
🔨 3. D. Gukesh 🏹 4. Bhakti Kulkarni	
	Question ID : 976755448
	Question ID : 976755448 Status : Answered Chosen Option : 1
	 from a newly born black hole. 1. cold waves 2. gravitational waves 3. hot waves 4. ultra-rays a among the following is conferred with Padma Vibhushan Award 20 rt? 1. Saina Nehwal 2. Saurav Ganguly 3. P. V. Sindhu 4. Mary Kom a's ace cueistwon the 35th Asian Men's Snooker Champie 21, 2019 to complete a career Grand Slam in Snooker. 1. Pankaj Advani

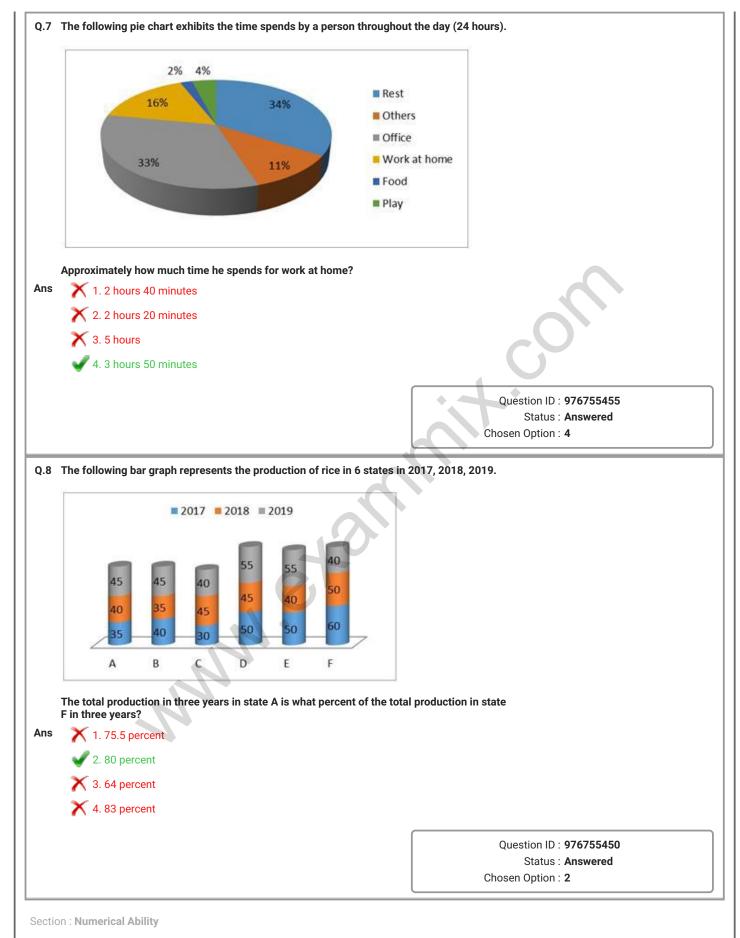


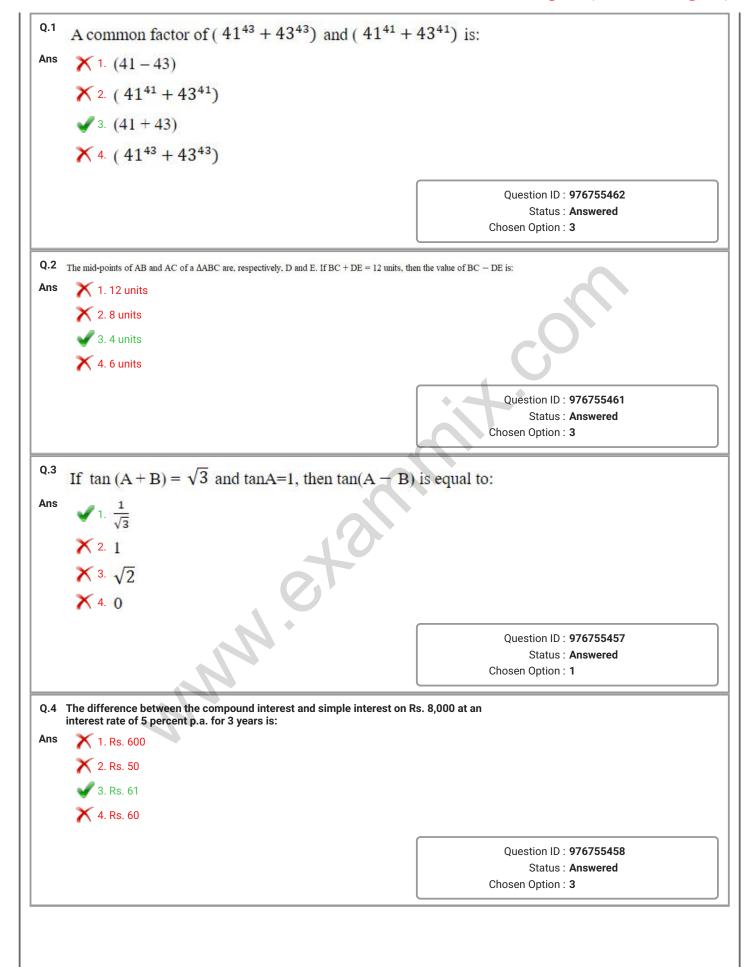












Q.5	A man covers a certain distance on scooter. Had he moved 3 km/h fast taken 40 min less. If he had moved 2 km/h slower, he would have taken distance (in km) is:	
Ans	🗙 1. 42	
	2.36	
	3 . 40	
	4.37	
		Question ID : 976755464
		Status : Answered Chosen Option : 1
Q.6	In the given figure, PA and PB are tangents to the circle with centre O such that angle APB =	50°. The measure of angle
	PAB is:	
	Part (1°)	
	B	
Ans	🗙 1. 25 degree	
	✔ 2. 65 degree	
	X 3. 40 degree	
	× 4. 50 degree	
		Question ID : 976755460
		Status : Answered
		Chosen Option : 2
Q.7	15 men can complete a task in 20 days, however, it takes 24 women to 10 men and 8 women undertake to complete the task, then they will tal	finish it in 20 days. If ke:
Ans	🗙 1. 15 days	
	🗸 2. 20 days	
	🗙 3. 30 days	
	X 4. 10 days	
		Question ID : 976755463
		Status : Answered
		Chosen Option : 2
Q.8	Aman, Rahul and Kiran start a partnership. They invested Rs 25000, Rs respectively. The stayed in partnership for 9 months, 6 months and 3 n	nonths respectively. If
Ans	total profit is Rs 140000, then what is the combined share of Aman and 1. Rs 80000	i Kiran in the protit?
, 110	•	
	X 2. Rs 100000	
	X 3. Rs 72000	
	✓ 4. Rs 92000	
		()uestion II) · 9/6/55459
		Question ID : 976755459 Status : Answered

Section : Current Affairs

	Name the country which banned single-use plastic shopping b 2019?	ags with effect from July 1,
Ans	🗙 1. USA	
	👽 2. New Zealand	
	🗙 3. India	
	🗙 4. Srilanka	
		Question ID : 976755468
		Status : Answered
		Chosen Option : 2
Q.2	Who won the Man Booker International Prize 2019 for the nove	el-Celestial Bodies?
Ans	🗙 1. Han Kang	
	🗙 2. David Grossman	
	👽 3. Jokha Alharthi	
	🗙 4. Olga Tokarczuk	\sim
		Question ID : 976755470
		Status : Answered
		Chosen Option : 2
) .3	Who among the following was selected as the player of the tou Cup 2019?	Irnament in ICC Cricket World
Ans	X 1. David Warner	
	🗙 2. Rohit Sharma	
	🗙 3. Shakib Al Hassan	
	 3. Shakib Al Hassan 4. Kane Williamson 	
		Ouestion ID : 976755472
		Question ID : 976755472 Status : Answered
0.4	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered
Q.4 Ans	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered
	4. Kane Williamson	Status : Answered Chosen Option : 2 Question ID : 976755465 Status : Answered

	2. South Africa	
	🗙 3. Australia	
	✔ 4. India	
		Question ID : 976755471
		Status : Answered
		Chosen Option : 3
Q.6	On 15 December 2019, the Ministry of Coal has decided to establish a 'S Development Cell'. What is the objective of this cell?	Sustainable
Ans	✔ 1. To promote environment friendly and sustainable coal mining	
	🗙 2. To promote inclusive and sustainable industrialization	
	ig X 3. To promote environment friendly sustainable development	
	imes 4. To achieve a better and more sustainable future for all	
		Question ID : 976755469 Status : Answered
		Chosen Option : 1
ns	farmers? X 1. Madhya Pradesh	
	 2. Uttar Pradesh 3. Gujarat 4. Diber 	
		Question ID : 976755467 Status : Answered Chosen Option : 2
Q.8	🗙 3. Gujarat	Status : Answered Chosen Option : 2
	X 3. Gujarat X 4. Bihar	Status : Answered Chosen Option : 2
	X 3. Gujarat X 4. Bihar	Status : Answered Chosen Option : 2
Q.8 Ans	 Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 	Status : Answered Chosen Option : 2
	 A Sujarat 4. Bihar Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 2. "The Wizard of Oz" 	Status : Answered Chosen Option : 2
	 A Gujarat 4. Bihar Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 2. "The Wizard of Oz" 3. "Once You Get It, Give It Back" 	Status : Answered Chosen Option : 2
	 A Gujarat 4. Bihar Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 2. "The Wizard of Oz" 3. "Once You Get It, Give It Back" 	Status : Answered Chosen Option : 2
	 A Gujarat 4. Bihar Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 2. "The Wizard of Oz" 3. "Once You Get It, Give It Back" 	Status : Answered Chosen Option : 2 e titled: Question ID : 976755466
Ans	 A Gujarat 4. Bihar Arantza Pena Popo won 'Doodle for Google' 2019 contest for her Doodle 1. "Birth of hip-hop " 2. "The Wizard of Oz" 3. "Once You Get It, Give It Back" 	Status : Answered Chosen Option : 2 e titled: Question ID : 976755466 Status : Not Answered

_	TRANSPARENT	
Ans	X 1. distinct	
	X 2. obscure	
	✔ 3. crystal clear	
	🗙 4. vague	
		Question ID : 976755480 Status : Answered
		Chosen Option : 3
_		
Q.2	Select the option that can be used as a one-word substitute for the g	iven group of words.
	A period in which you recover from illness	
Ans	X 1. Constellation	
	🗙 2. Claque	
	V 3. Convalescence	\mathbf{c}
	🗙 4. Cortege	
		Question ID : 976755479 Status : Not Answered
		Chosen Option :
Ans	 1. Stray 2. Arbitrary 3. Regular 4. Random 	
		Question ID : 976755475 Status : Answered
		Chosen Option : 4
2.4 Ans	Choose the correctly spelt word from the given options.	
	2. Questionnare	
	3. Questionnaire	
	X 4. Questinaire	
		Question ID : 976755477
		Status : Answered
		Chosen Option : 1

	The following sentence has been divided into four parts. One of the Select the part that contains the error from the given options.	
	She worked hard / so that she / was win / the prize.	
Ans	🗙 1. the prize	
	🗙 2. She worked hard	
	🖌 3. was win	
	X 4. so that she	
		Question ID : 976755473 Status : Answered
		Chosen Option : 3
Q.6	Select the correct indirect form of the given sentence.	
	The boy's mother said, "I shall come with you."	
Ans	leph 1. The boy's mother said that she shall come with us.	
	✔ 2. The boy's mother said that she would go with us.	
	igma 3. The boy's mother asked that she should go with us	
	leph 4. The boy's mother told that she shall go with us.	
		Question ID : 976755474
	Select the most appropriate meaning of the following idiom: Your better half	Question ID : 976755474 Status : Answered Chosen Option : 3
		Status : Answered
Ans	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher ▲ Your colleague 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	 Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
۵ns ۵.8	 Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world.	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	 Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big 2. largest 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big 2. largest 3. larger 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big 2. largest 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered
Ans Q.8	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big 2. largest 3. larger 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered Chosen Option : 1
Ans Q.8	Your better half 1. Your husband or wife 2. Your sister 3. Your teacher 4. Your colleague Choose the most appropriate option to fill in the blank. India has the tea garden in the world. 1. big 2. largest 3. larger 	Status : Answered Chosen Option : 3 Question ID : 976755478 Status : Answered

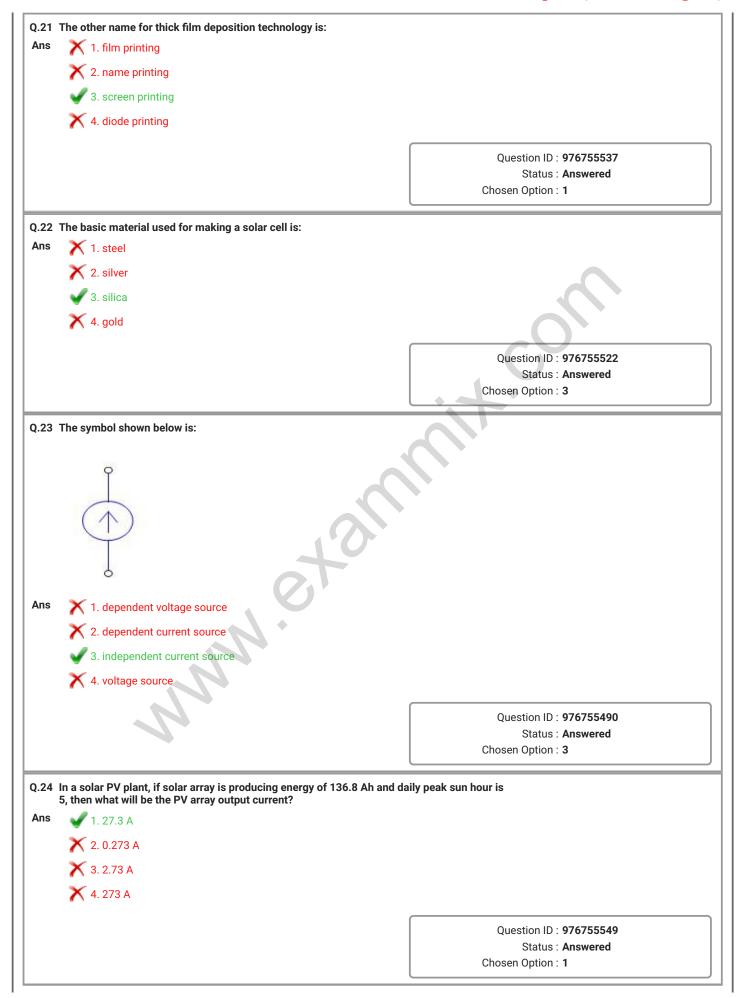
•	An inductor connected in series with a DC source, in a closed circuit, wi state as:	II behave in steady
Ans	🗙 1. open circuit	
	X 2. resistance	
	🗙 3. voltage source	
	✓ 4. current source	
		Question ID : 976755493 Status : Answered Chosen Option : 4
Q.2	Daily peak sun hour is defined as:	
Ans	1. equivalent to the number of hours of solar irradiance	
	igma 2. the amount of heat generated in a day	
	$igmedsymbol{ imes}$ 3. the amount of load availability in a day	
	\mathbf{X} 4. the amount of electricity generated in a day	<u> </u>
		Question ID : 976755548
		Status : Answered
		Chosen Option : 1
Q.3	Sputtering is a technique used for:	
Ans	X 1. sputtering of electronics	
	X 2. name deposition	
	X 3. water deposition	
	4. thin film deposition	
		Question ID : 976755540
		Status : Answered Chosen Option : 3
		chosen option : 3
Q.4 Ans	As per Government of India plans, The capacity of renewable energy babe installed by 2022 is: 1.150 GW 2.200 GW 3.175 GW 4.300 GW	sed power plants, to
	X 4. 300 GW	
	X 4. 300 GW	Question ID : 976755554
	X 4. 300 GW	Question ID : 976755554 Status : Answered Chosen Option : 3

-	Which of the following methods is used for measurement of	of solar radiation data?
Ans	X 1. Frequency meter	
	🗙 2. Power factor meter	
	🗙 3. Astrology	
	4. Numerical weather prediction	
		Question ID : 976755527
		Status : Answered
		Chosen Option : 4
Q.6	Which of the following is NOT a source of electrical energy	generation?
Ans	🗙 1. Solar	
	🖌 2. Leaf	
	🗙 3. Wind	
	🗙 4. Coal	
		Question ID : 976755515
		Status : Answered Chosen Option : 2
Q.7	The parameter used for measuring the amount of energy wexpressed as:	vithdrawn from a battery is
Ans	🗙 1. balance of discharge	
	🗙 2. voltage of discharge	
	🗙 3. thermal of discharge	
	4. depth of discharge	<u> </u>
		Question ID : 976755551
		Status : Answered Chosen Option : 2
	The voltage across a terminal pair is a measure of return the element.	equired to move a charge through
	2. WOIK	
	2. work	
	3. length 4. time	
	3. length 4. time	Question ID : 976755488
	3. length 4. time	Question ID : 976755488 Status : Answered Chosen Option : 4

Q.9	A three phase load consists of three similar inductive coils of resistances of 50 Ω and inductive voltage is 415 V and 50 Hz. What is the line current load which is star connected?	tance of 0.3 H. The supply
Ans	🗙 1. 224.6 А	
	🗸 2. 2.246 A	
	X 3. 0.2246 A	
	🗙 4. 22.46 A	
	4.22.407	
		Question ID : 976755503
		Status : Answered
		Chosen Option : 2
.10	Which of the following instruments is used for measurement of ground	reflected radiation?
Ans	✔ 1. Albedometer	
	X 2. Hygrometer	
	X 3. Altitude meter	
	X 4. Watt meter	
	A. watt meter	
		Question ID : 976755526
		Status : Answered
		Chosen Option : 1
.11	Which of the following is NOT a parameter of solar cell data sheet?	
Ans	X 1. Voltage at maximum power point	
	2. Short circuit voltage	
	X 3. Short circuit current	*
	4. Current at maximum power point	
	A. current at maximum power point	
		Question ID : 976755523
		Status : Answered
		Chosen Option : 2
.12	Energy performance is defined as:	
Ans	imes 1. percentage of energy used at current rate of use compared to p	evious year rate of
	use	
	2. percentage of energy saved at current rate of use compared to r	eference year rate
	of use	6
	3. percentage of energy used at current rate of use compared to reuse	rerence year rate of
	X 4. percentage of energy saved at current rate of use compared to p	previous year rate of
	use	
		Question ID : 976755482
		Status : Answered
		Chosen Option : 3

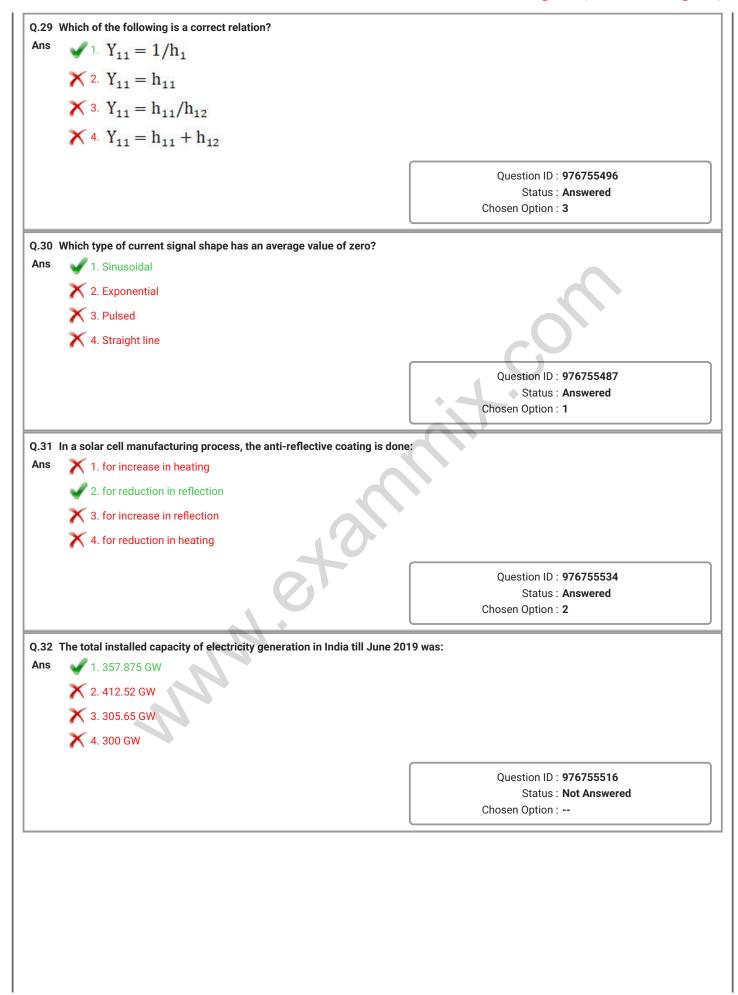
	24		
Ans	X 1. ammeter		
	🗙 2. voltmeter		
	🗙 3. sun meter		
	✔ 4. pyranometer		
			Question ID : 976755525
			Status : Answered
			Chosen Option : 4
Q.14	The slip of a three-phase induction n	notor is 1.0. What is the state of the	e motor?
Ans	🗙 1. Running at variable speed		
	🗙 2. Running at full speed		\frown
	🗹 3. Standstill		
	X 4. Running at half speed		
			Question ID : 976755506
			Question ID . 976755506
			Status : Answered
	Determine the angle through which a the scale of a galvanometer placed a 1.0.35 radians 2.0.035 radians 3.35 radians		Status : Answered Chosen Option : 3 mm is observed on
t	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians		Status : Answered Chosen Option : 3 mm is observed on
t	the scale of a galvanometer placed a X 1. 0.35 radians 2. 0.035 radians		Status : Answered Chosen Option : 3 mm is observed on
t	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians		Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508
t	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians		Status : Answered Chosen Option : 3
t Ans	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1.0.35 radians 2.0.035 radians 3.35 radians 4.3.5 radians 4.3.5 radians	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians 4. 3.5 radians 1. 0.35 radians	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians 4. 3.5 radians 1. 0.35 radians	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians The battery is required in which type 1. Grid connected 2. Standalone 3. Anti-islanding 	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians 4. 3.5 radians 1. 0.35 radians	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians The battery is required in which type 1. Grid connected 2. Standalone 3. Anti-islanding 	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered
t Ans Q.16	the scale of a galvanometer placed a 1. 0.35 radians 2. 0.035 radians 3. 35 radians 4. 3.5 radians The battery is required in which type 1. Grid connected 2. Standalone 3. Anti-islanding 	at a distance of 0.6 m from the mirro	Status : Answered Chosen Option : 3 mm is observed on or. Question ID : 976755508 Status : Not Answered Chosen Option :

	How much was the power generated from thermal power plants in	India till March 2019?		
Ans	X 1.65 percent			
	🗙 2. 61.5 percent			
	🗙 3. 66.9 percent			
	✔ 4. 63.4 percent			
		Question ID : 976755517		
		Status : Answered		
		Chosen Option : 3		
Q.18	Which of the following parameters is NOT covered for transmissivi	ty of the cover system?		
Ans	✔ 1. Thermal emission			
	X 2. Reflection			
	X 3. Absorption			
	X 4. Refraction			
		Question ID : 976755529		
		Status : Answered		
		Chosen Option : 1		
	The effective energy use for maximising profit and market position	is known as:		
Ans	1. management of energy			
	X 2. energy policy			
	X 3. audit of energy			
	X 4. conservation of energy			
		Question ID : 976755481		
	0.	Status : Answered		
		Chosen Option : 1		
	The main reason of electricity generation using a solar power plant	is:		
Ans	1. high efficiency of hydro power plants			
	imes 2. high efficiency of thermal power plants			
	X 3. high efficiency of nuclear power plants			
	4. greenhouse gas emission			
		Question ID : 976755519		
		Status : Answered		
		Chosen Option : 4		

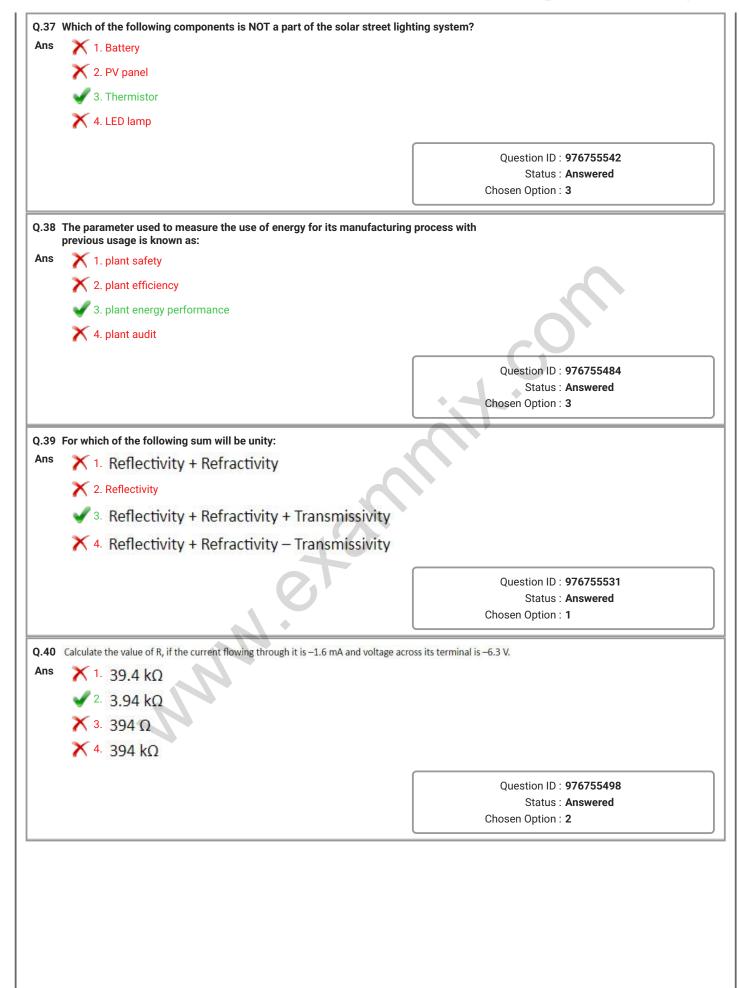


	reading of 200 V. The instrument can read up to 1/5 of a scale divisio certainty. The resolution of the instrument in volt is:	ives a full scale n with a fair degree of
Ans	▼ 1.400 V	
	× 2.4 V	
	X 3.40 V	
	4. 0.4 V	
		Ouestion ID : 976755514
		Status : Answered
		Chosen Option : 4
Q.26	An alternating voltage is $v = 100 \sin 50t$. What is the value of amp	litude and frequency2
Ans		intude and nequency:
Allo	X 1. 100 Hz, 15.9 V	
	2. 100 V, 7.96 Hz	
	🗙 3. 10 V, 1.59 Hz	
	🗙 4. 10 Hz, 7.96V	C ·
		Question ID : 976755502
		Status : Answered
		Chosen Option : 2
0.27	The Ohm's is NOT valid for:	
Ans	X 1. resistors connected in parallel	
	2. resistors connected in series	
	X 3. linear inductors	•
	4. zener diode working in zener region	
	4. zener diode working in zener region	
	0,1	Question ID : 976755491
	. 6'	Status : Answered
Q.28	A PMMC ammeter of resistance 2 Ω has a full scale value of 5 A. If a shunt value of 0.5	Status : Answered Chosen Option : 3
Q.28	A PMMC ammeter of resistance 2 Ω has a full scale value of 5 A. If a shunt value of 0.5 would be the new range?	Status : Answered Chosen Option : 3
Q.28 Ans	would be the new range?	Status : Answered Chosen Option : 3
	would be the new range?	Status : Answered Chosen Option : 3
	would be the new range?	Status : Answered Chosen Option : 3
	would be the new range?	Status : Answered Chosen Option : 3
	would be the new range?	Status : Answered Chosen Option : 3
	would be the new range?	Status : Answered Chosen Option : 3 Ω is connected, then what Question ID : 976755512
	would be the new range?	Status : Answered Chosen Option : 3

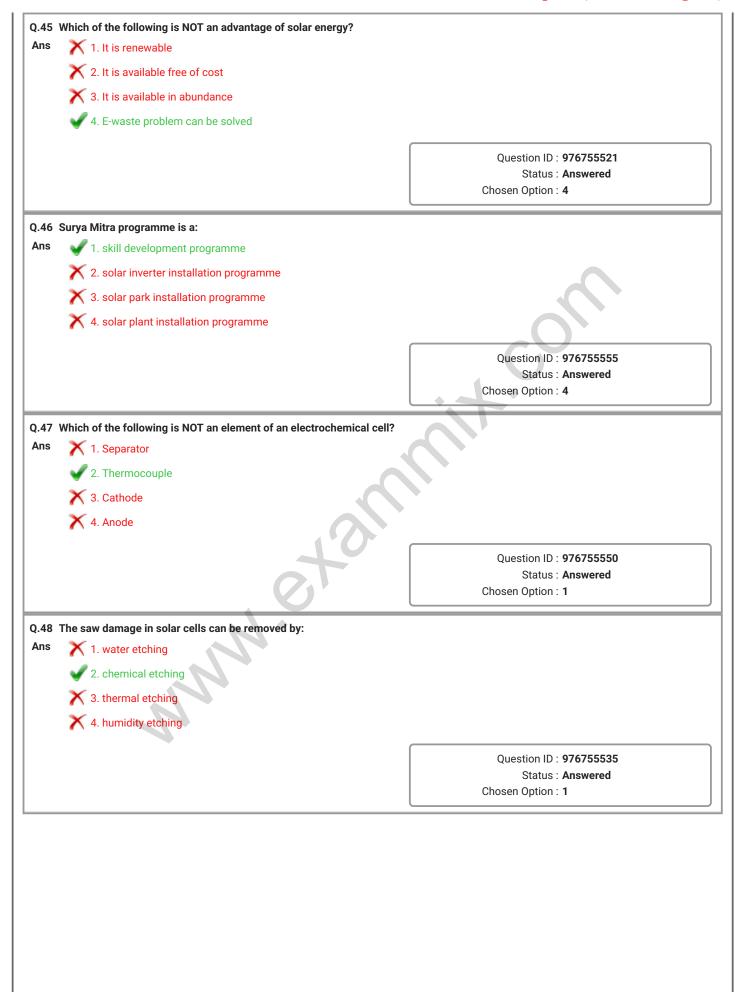
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	The damping provided in moving iron type of	
Ans	X 1. spring	
	✔ 2. air friction	
	🗙 3. oil friction	
	X 4. eddy current	
		Question ID : 976755509
		Status : Answered
		Chosen Option : 2
).34	If a solar cell has more than one junction, th	hen is it known as:
Ans	✔ 1. multi junction solar cell	
	🗙 2. multi current solar cell	
	leph 3. single junction solar cell	
	🗙 4. multi thermal solar cell	
		Question ID : 976755541
		Chatura - Americana d
		Status : Answered
		Chosen Option : 1
2.35	The range of band gap of semiconductor m	
	solar cell should be:	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV	Chosen Option : 1
	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans Q.36	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to:	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans Q.36	solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans Q.36	 solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant 2. solar water pumping plant 	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans Q.36	 solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant 2. solar water pumping plant 3. roof top solar plant 	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans	 solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant 2. solar water pumping plant 	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered
Ans Q.36	 solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant 2. solar water pumping plant 3. roof top solar plant 	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered Chosen Option : 4
Ans Q.36	 solar cell should be: 1. 2 eV to 3 eV 2. 5 eV and higher 3. 4 eV to 5 eV 4. 1 eV to 1.5 eV 4. 1 eV to 1.5 eV Varun Mitra programme is related to: 1. grid connected solar plant 2. solar water pumping plant 3. roof top solar plant 	Chosen Option : 1 naterial used for the manufacturing of a thin film Question ID : 976755538 Status : Answered



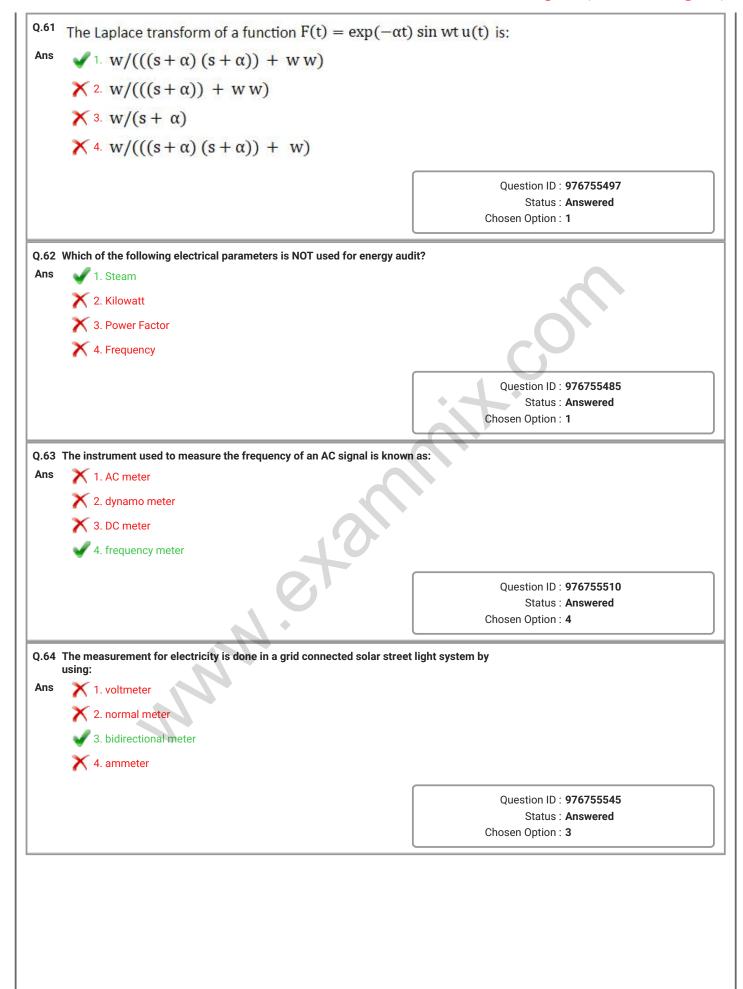
	Which of the following is NOT a type of system used for electricity gen	eration?
Ans	X 1. Solar photovoltaic grid connected	
	✔ 2. Solar water heater	
	🗙 3. Solar photovoltaic standalone	
	X 4. Solar thermal power	
		Question ID : 976755520
		Status : Answered
		Chosen Option : 2
J.42	National UJALA scheme is related to:	
Ans	1. LED installation	
	X 2. electricity for every one	\frown
	🗙 3. solar power plant installation	
	X 4. chulha distribution	
		Question ID : 976755559
		Status : Answered
		Chosen Option : 1
Q.43	Solar efficiency can be increased by which of the following methods?	
Ans	🗙 1. By adding insulating material	\sim
	2. By reduction in carrier recombination	
	X 3. By providing proper cooling	
	4. By providing shading	
		Question ID : 976755533
	0.	Status : Answered Chosen Option : 2
२.4 4	Which of the following is a conventional source of electricity generation	n?
Ans	🗸 1. Thermal	
	2 . Wind	
	2. Wind 3. Fuel cell	
	 2. Wind 3. Fuel cell 4. Solar 	
	 2. Wind 3. Fuel cell 4. Solar 	Question ID : 976755518
	2. Wind 3. Fuel cell 4. Solar	Question ID : 976755518 Status : Answered



	Which of the following is NOT a utility treated in the energy audit system	em?
Ans	X 1. Steam	
	2. Electricity	
	X 3. Chilled Water	
	4. Wind	
		Question ID : 976755483
		Status : Answered
		Chosen Option : 3
	An electric motor takes a power of 2 kW. The efficiency of the motor is the motor of the motor is the motor output?	s 80 percent. What is
Ans	🗙 1. 2 kW	
	🗙 2. 2.4 kW	
	🗙 3. 1.4 kW	
	✔ 4. 1.6 kW	\sim
		Question ID : 976755504
		Status : Answered
		Chosen Option : 4
.51	PM KUSUM scheme is related with:	
Ans	V 1. farmers	
	X 2. educational institutes	
	X 3. government sector	
	X 4. poor families	
		Question ID : 976755557
		Status : Answered Chosen Option : 1
	The rise and fall of current in the R-L circuit connected with a DC sour	rce will:
Ans	1. vary triangular	
	 2. vary straight 3. remain zero 	
	4. vary exponential	
		Question ID : 976755494
		Status : Answered
		Chosen Option : 2

	1000 A and 2000 A is:		rrying currents of
Ans	🗙 1. Sqrt (9) N		
	🗙 2. Sqrt (36) N		
	🗙 3. Sqrt (25) N		
	✔ 4. Sqrt (16) N		
	•		
			Question ID : 976755501 Status : Not Answered
			Chosen Option :
2 5 4	The battery in solar street is used for:		
2.54 Ans	1. Providing mechanical support		
	\mathbf{X} 2. Providing strength to the pillar		
	\mathbf{X} 3. Providing thermal control		
	 4. Providing back up electrical power 		
	4. Providing back up electrical powe	36	
			Question ID : 976755544
			Status : Answered
			Chosen Option : 4
	 2. high overshoot 3. low overshoot 4. no transient condition will occur 	3	
			Question ID : 976755492
		0,1	Question ID : 976755492 Status : Answered
		er	
	1 kWh is equal to how many kcals (approx	kimately):	Status : Answered
	X 1.86 kcals	timately):	Status : Answered
	X 1.86 kcals	imately):	Status : Answered
	X 1.86 kcals	imately):	Status : Answered
		timately):	Status : Answered
Q.56 Ans	X 1.86 kcals	timately):	Status : Answered Chosen Option : 4
	X 1.86 kcals	imately):	Status : Answered

-	A meter whose constant is 750 revolutions per kWh ma Determine the load in kW.	
Ins	✓ 1. 2.4 kW	
	🗙 2. 0.24 kW	
	🗙 3. 240 kW	
	🗙 4. 24 kW	
		Question ID : 976755511
		Status : Answered
		Chosen Option : 1
).58	The scheme name 'Roof Top Solar Grid Engineer' is:	
Ans	✔ 1. skill development programme	
	🗙 2. solar inverter installation programme	
	🗙 3. solar plant installation programme	
	🗙 4. solar park installation programme	
		Question ID : 976755558
		Status : Answered
		Chosen Option : 3
0.59	The colour of the sky is blue because of:	
Ans	X 1. water scattering	
	X 2. thermal scattering	
	3. Rayleigh scattering	
	X 4. Compton scattering	
		Question ID : 976755532
	Ø	Question ID : 976755532 Status : Answered Chosen Option : 3
	Ø	Status : Answered Chosen Option : 3
Q.60	An electric circuit is supplied with +4V dc and it takes input current of the element of electric circuit is:	Status : Answered Chosen Option : 3
		Status : Answered Chosen Option : 3
	the element of electric circuit is:	Status : Answered Chosen Option : 3
Q.60 Ans	the element of electric circuit is: 1. It consumes 20 W of power	Status : Answered Chosen Option : 3
	the element of electric circuit is: 1. It consumes 20 W of power 2. The power loss is 20 W	Status : Answered Chosen Option : 3
	the element of electric circuit is: 1. It consumes 20 W of power 2. The power loss is 20 W 3. It generates 20 W of power	Status : Answered Chosen Option : 3
	the element of electric circuit is: 1. It consumes 20 W of power 2. The power loss is 20 W 3. It generates 20 W of power	Status : Answered Chosen Option : 3



	When the rotor makes 120 complete cycles per minute. Calculate	
Ans	🗙 1. 2413 kW	
	🗙 2. 2.413 kW	
	✔ 3. 24.13 kW	
	🗙 4. 241.3 kW	
		Question ID : 976755507 Status : Not Answered
		Chosen Option :
2.66	Illumination is measured using:	
Ans	🗙 1. multimeter	
	👽 2. lux meter	
	🗙 3. leak detector	
	🗙 4. ammeter	\sim
		Question ID : 976755486
		Status : Answered
		Chosen Option : 2
Ans	 X 1. Meridian angle X 2. Masdar angle 	
Ans	•	
Ans	 2. Masdar angle 3. Equator angle 	Question ID : 976755546
Ans	 2. Masdar angle 3. Equator angle 	Status : Answered
Ans	 2. Masdar angle 3. Equator angle 	
).68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is:	Status : Answered
2.68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 	Status : Answered
).68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 2. short circuit admittance parameters 	Status : Answered
2.68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 2. short circuit admittance parameters 3. open circuit impedance parameters 	Status : Answered
2.68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 2. short circuit admittance parameters 	Status : Answered
Q.68 Ans	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 2. short circuit admittance parameters 3. open circuit impedance parameters 	Status : Answered
Q.68	 2. Masdar angle 3. Equator angle 4. Azimuthal angle In a two-port network, the other name of Z parameters is: 1. open circuit admittance parameters 2. short circuit admittance parameters 3. open circuit impedance parameters 	Status : Answered Chosen Option : 4

	In the industrial solar cell process, which gas is used for emit	ter diffusion?
Ans	× 1. KCl₃	
	2. POCl ₃	
	× 3. H ₂ Cl ₃	
	🗙 4. NaCl ₃	
		Question ID : 976755536 Status : Not Answered Chosen Option :
Q.70	The converter used in solar PV power plants is named as:	
Ans	🗙 1. thermal inverter	
	🗙 2. solar thermal inverter	
	🗙 3. hydro inverter	
	✔ 4. solar inverter	
		Question ID : 976755524
		Status : Answered
		Chosen Option : 4
Q.71	The E-mobility scheme is related to:	
Ans	X 1. electronics communication	
	🗙 2. solar electricity	
	3. electric vehicle	
	3. electric vehicle	Question ID : 976755560
	3. electric vehicle	Status : Answered
	3. electric vehicle	
Q.72	3. electric vehicle	Status : Answered
	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life	Status : Answered
	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life 2. Low energy density 	Status : Answered
Q.72 Ans	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life 2. Low energy density 3. Fast charging 	Status : Answered
	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life 2. Low energy density 	Status : Answered
	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life 2. Low energy density 3. Fast charging 	Status : Answered
	 3. electric vehicle 4. skill development Which of the following is a demerit of a Ni-Cd battery? 1. Longer life 2. Low energy density 3. Fast charging 	Status : Answered Chosen Option : 3

Q.73		
	The slip of a three-phase induction motor is defined as:	
Ans	🗡 1. Slip Speed – Synchronous Speed	
	2. Slip Speed / Synchronous Speed	
	X 3. Synchronous Speed / Slip Speed	
	X 4. Slip Speed × Synchronous Speed	
	A sub speed x synchronous speed	
		Question ID : 976755505
		Status : Answered Chosen Option : 2
	The transmissivity based on absorption can be obtained by assuming absorption is proportional to:	that attenuation due
Ans	X 1. thermal intensity	
	2. water intensity	
	 ✓ 3. local intensity 	
	4. global intensity	
		Question ID : 976755530
		Question ID : 976755530 Status : Answered Chosen Option : 4
	An alternating current is measured by a rectifier and a hot wire amme are found to be 30 A and 32 A respectively. What is the form factor of 1.0.184	Status : Answered Chosen Option : 4 ter and the readings
á	are found to be 30 A and 32 A respectively. What is the form factor of	Status : Answered Chosen Option : 4 ter and the readings
á	are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4	Status : Answered Chosen Option : 4
á	are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4	Status : Answered Chosen Option : 4 ter and the readings
á	are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513
Ans	are found to be 30 A and 32 A respectively. What is the form factor of 1.0.184 2.1.184 3.118.4 4.11.84	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans	are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans Q.76	are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans Q.76	 are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition 2. Water vapour deposition 	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans Q.76	 are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition 2. Water vapour deposition 3. Salt vapour deposition 	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans Q.76	 are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition 2. Water vapour deposition 	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered
Ans Q.76	 are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition 2. Water vapour deposition 3. Salt vapour deposition 	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered Chosen Option : 2 Question ID : 976755539
Ans Q.76	 are found to be 30 A and 32 A respectively. What is the form factor of 1. 0.184 2. 1.184 3. 118.4 4. 11.84 Which of the following is used for thin film deposition? 1. Plant vapour deposition 2. Water vapour deposition 3. Salt vapour deposition 	Status : Answered Chosen Option : 4 ter and the readings the current wave? Question ID : 976755513 Status : Answered Chosen Option : 2

Ans	Which of the following data base is NOT used for solar radiation measurement? X 1. WRDC by WMO		
	🗙 2. Solar GIS		
	✔ 3. Big data centre database		
	🗙 4. Meteonorm		
		Question ID : 976755528 Status : Answered Chosen Option : 3	
Q.78 Ans	Under which scheme of Government of India, solar parks are end	ourages to set up	
	X 2. Solar PV scheme		
	X 3. Solar Heat Scheme		
	X 4. Solar Grid Scheme		
		Question ID : 976755553	
		Status : Answered Chosen Option : 4	
Q.79	The equivalent resistance of four resistors joined in parallel is 20 Ω . The current flo and 0.1 ampere. The value of each resistor is:	wing through them are 0.6, 0.3, 0.2	
Ans	🖌 1. 40 Ω, 80 Ω, 120 Ω, 240 Ω		
	🗙 2. 240 Ω, 240 Ω, 240 Ω, 240 Ω		
	🗙 3. 40 Ω, 40 Ω, 40 Ω, 40 Ω		
	🗙 4. 4 Ω, 8 Ω, 12 Ω, 24 Ω		
	0	Question ID : 976755500	
		Status : Answered Chosen Option : 1	
Q.80 Ans	The performance parameter for a white LED lantern is: 1. fixture strength		
	2. humidity		
	3. illuminance		
	 3. illuminance 4. heat 		
		Question ID : 976755543	
		Status : Answered	