

Rail Corporation

Uttar Pradesh Metro Rail Corporation Limited

उत्तर प्रदेश मेट्रो रेल कॉर्पोरेशन लिमिटेड

A joint Venture of Govt. of India and Govt. of Uttar Pradesh

Participant ID	
Participant Name	
Test Center Name	
Test Date	12/05/2024
Test Time	9:00 AM - 11:00 AM
Subject	Maintainer Electrical

Section : Section A

Q.1 Which of the following is true in case of statically induced EMF?

X A. Conductor is stationary in a stationary magnetic field

✓ B. Conductor is stationary and flux linking is changing

X C. Conductor is moving in a stationary magnetic field

X D. Conductor is moving and flux linking is also changing

Question ID: 630680780937 Status: Answered

Chosen Option: B

Q.2 The thickness of galvanised iron plate electrodes used for earthing should not be less

Ans X A. 10 mm

X B. 12.33 m

✓ C. 6.3 mm

X D. 3.15 mm

Question ID: 630680780965

Status: Answered

Chosen Option : C

Q.3 Select the most appropriate option to fill in the blank. The child _ happy now.

Ans X A. seem

B. seems

X C. seemed

X D. seeming

Question ID: 630680300682

Status: Answered

Chosen Option: B

	The theory of the Eightfold Path is primarily related to the sermon	of:	
Ans	X A. Ananda		
	★ C. Suddhodhana		
	X D. Mahaprajapati Gautami		
			630680305948
			Answered
		Chosen Option :	В
Q.5	A 400 V, three-phase, 50Hz supply is fed to a delta connected load	having three	
	identical coils, each coil having an impedance of 12 ohms. Determ	ine the line current.	
Ans	X A. 115.46 A		
	★ B. 19.24 A		
	✓ C. 57.73 A		
	X D. 38.48 A		
			630680780961
			Answered
		Chosen Option :	
Q.6	Which of the following steps indicate the correct order for the ope extinguisher?	ration of fire	
Ans	X A. Aim, pull, squeeze, sweep		
	✓ B. Pull, aim, squeeze, sweep		
	✗ C. Aim, squeeze, pull, sweep		
	X D. Pull, aim, sweep, squeeze		
		Question ID :	630680781010
		Status :	Answered
			Answered
Q.7	In a certain code language, 'GLOW' is coded as '3214' and 'LONG'	Status : Chosen Option :	Answered
Q.7	In a certain code language, 'GLOW' is coded as '3214' and 'LONG' What is the code for 'N' in the given code language?	Status : Chosen Option :	Answered
Q.7	What is the code for 'N' in the given code language? A. 1	Status : Chosen Option :	Answered
	What is the code for 'N' in the given code language?	Status : Chosen Option :	Answered
	What is the code for 'N' in the given code language? A. 1	Status : Chosen Option :	Answered
	What is the code for 'N' in the given code language? X A. 1 X B. 3	Status : Chosen Option :	Answered
	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2	Status : Chosen Option :	Answered
	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2	Status : Chosen Option : is coded as '1438'. Question ID :	Answered B 630680568432
	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2	Chosen Option : is coded as '1438'. Question ID : Status :	Answered B 630680568432 Answered
	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2	Status : Chosen Option : is coded as '1438'. Question ID :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 ✓ D. 8 When was World Radio Day 2021 celebrated to raise a greater awa	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language?	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 D. 8 When was World Radio Day 2021 celebrated to raise a greater awa public and the media regarding the importance of radio? X A. 10 th January X B. 18 th March	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 D. 8 When was World Radio Day 2021 celebrated to raise a greater awa public and the media regarding the importance of radio? X A. 10 th January X B. 18 th March X C. 22 nd April	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 D. 8 When was World Radio Day 2021 celebrated to raise a greater awa public and the media regarding the importance of radio? X A. 10 th January X B. 18 th March	Question ID : Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 D. 8 When was World Radio Day 2021 celebrated to raise a greater awa public and the media regarding the importance of radio? X A. 10 th January X B. 18 th March X C. 22 nd April	Chosen Option : Question ID: Status: Chosen Option :	Answered B 630680568432 Answered
Ans	What is the code for 'N' in the given code language? X A. 1 X B. 3 X C. 2 D. 8 When was World Radio Day 2021 celebrated to raise a greater awa public and the media regarding the importance of radio? X A. 10 th January X B. 18 th March X C. 22 nd April	Question ID: Status: Chosen Option: Question ID: Status: Chosen Option: reness among the	Answered B 630680568432 Answered D

	A. internal short circuit protection of PV cells	
	B. prevent power absorption by the failed string of PV modules	
	C. bypass the failed module in a string of PV modules	
	X D. enhance the power generating capacity of the PV module	
		Question ID : 630680780959
		Status : Answered
		Chosen Option : B
	How much electrical energy is consumed in an electric heater raused for 60 minutes?	ted as 1000 W, 250 V,
Ans	✓ A. 1 kWh	
	X B. 60000 W	
	X C. 1000 W	
	▼ D. 60 kWh	
		Question ID : 630680780976
		Question ID : 630680780976 Status : Answered
	For the construction of express way, part of Raju's field was tak result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% ** B. 15.5% ** C. 15%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%,
	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% B. 15.5%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%,
	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% ** B. 15.5% ** C. 15%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field?
	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% ** B. 15.5% ** C. 15%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618
	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% ** B. 15.5% ** C. 15%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field?
Ans	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Ans Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% ** B. 15.5% ** C. 15%	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Ans Ω.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel X B. junction	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Ans Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel X B. junction	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Ans Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel X B. junction X C. probe	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A
Ans Q.12	result the length and the breadth of Raju's field got reduced by respectively. What is the net percentage decrease in the area of A. 14.5% X B. 15.5% X C. 15% X D. 14% The space between the two gates through which majority carried drain in a FET is called a A. channel X B. junction X C. probe	Status : Answered Chosen Option : A en by the Govt. As a 10% and 5%, Raju's field? Question ID : 630680756618 Status : Answered Chosen Option : A es pass from source to

. .13	Which of the following statements are true? i) A semiconductor with excess of electrons is called N-ii) Free electrons are minority carriers in P-type semicor iii) Copper and aluminium are examples of semiconduct iv) Once the depletion layer is established, carriers can junction.	ductor material. or materials.
Ans	✓ A. i and ii only	
	X B. i, ii and iii only	
	✗ C. iii and iv only	
	X D. i, ii, iii, and iv	
		Question ID : 630680780971 Status : Answered Chosen Option : A
	Which of the following is a three-terminal device capable connections from a single position?	e of making or breaking two
Ans	✓ A. Two-way switch	
	X B. Push-button switch	
	C. Intermediate switchD. One-way switch	
	A B. One way switch	
		Question ID: 630680780993
		Status : Answered Chosen Option : C
		Chosen Option . C
2.15	Which fire extinguisher should be used to extinguish a d	class C fire?
Ans	X A. Halon type	
	X B. Liquid type	
	C. Dry powder type	
	➤ D. CO ₂ type	
		Outstier ID - 020000704007
		Question ID : 630680781007 Status : Answered
		Chosen Option: C
2.16	A uni-junction transistor has emitter(s) and	base(s).
Ans	X A. two; two	
	✓ B. one; two	
	X C. one; one	
	X D. two; one	
		Question ID : 630680780968
		Status : Answered
		Chosen Option : C

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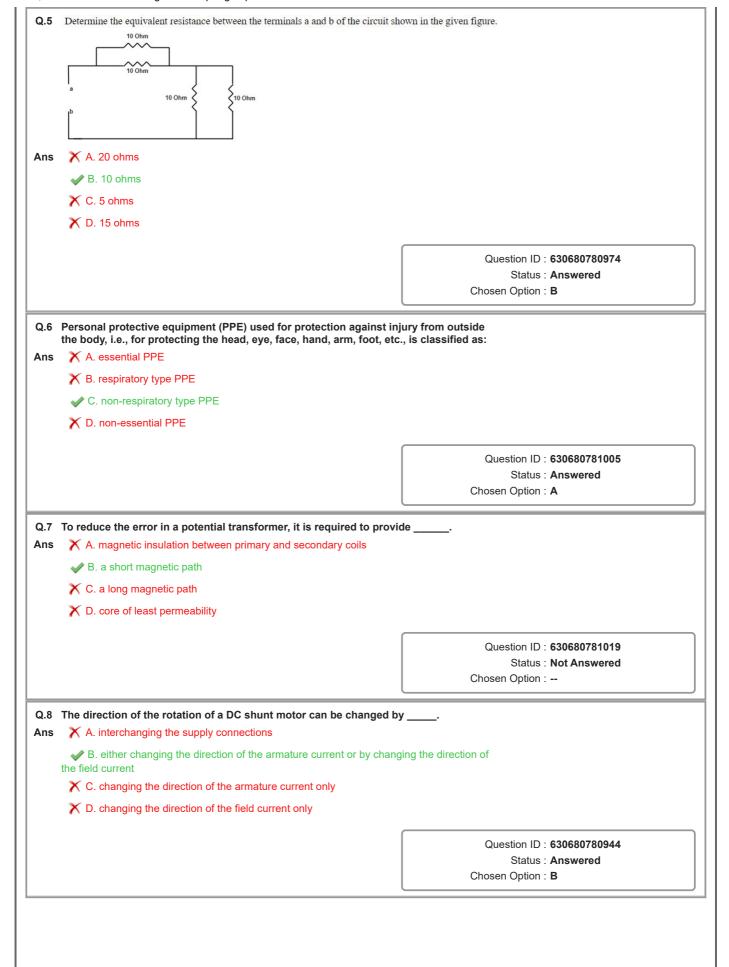
24, 4:3	39 PM cdn.digialm.com/per/g01/pub/1139/touchstone/Assessme	ntQPHTMLMode1/LMRCL241/LMRCL241S4D683/1715842679	
Q.17	17 Which of the following statements are true with respect to induced EMF? i) When changing flux produces EMF, the EMF is called statically induced EMF. ii) When the conductor moves and produces EMF, the EMF is called dynamically induced EMF. iii) EMF produced by flux linkages from the same coil is mutual induced EMF. iv) EMF produced by flux linkages from a neighbouring coil is self-induced EMF.		
Ans			
	✓ B. i and ii only		
	C. i, ii, iii, and iv		
	X D. iii and iv only		
		Question ID : 630680780985	
		Status : Answered	
		Chosen Option : B	
Q.18	Which part of the DC machine is responsible for rectification in a D	C generator?	
Ans	X A. Yoke		
	X B. Field poles		
	★ C. Interpoles		
	✓ D. Commutator		
		Question ID : 630680780942	
		Status : Answered	
		Chosen Option : D	
Q.19	Which of the following is an example of non-conventional sources	of energy?	
Ans	X A. Hydro energy		
	X B. Nuclear energy		
	C. Biomass energy		
	X D. Coal-based thermal energy		
		Question ID : 630680780953	
		Status : Answered Chosen Option : C	
		Chosen Option . C	
Q.20	Which of the following is the drawback of AC electric power transn	nission?	
Ans	X A. It is impossible to transmit power over a long distance.		
	X B. Step-up or step-down transformation of voltages is not possible		
	X C. Power cannot be generated at higher voltages due to commutar	tion problems.	
	✓ D. Effective resistance of AC transmission lines is increased due t	o skin effect.	
		Question ID : 630680780957	

Status : Answered

Chosen Option : D

Section : Section B

	It was an <u>awkward</u> moment, and Mr. Satterthwaite was momentari	ily out of words.	
Ans	X A. Genius		
	→ B. Composed		
	X C. Terrible		
	X D. Uneasy		
		Ouestion ID	: 630680375528
			: Answered
		Chosen Option	: A
O 2	At COP26, India has promised to become carbon neutral by		
Q.2 Ans	A. 2050	·	
	X B. 2040		
	✓ C. 2070		
	X D. 2060		
		Question ID	63068098967
		Status	Answered
		Chasen Ontion	. C
		Chosen Option	: C
Q.3	The carotid artery that is used to check the victim's pulse while p located:		: C
			: C
Q.3 Ans	located:	roviding first aid is	: C
	located: ✓ A. on either side of the neck, below the jaw bone	roviding first aid is	: C
	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the e	roviding first aid is	: C
	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the chest, close to the heart	roviding first aid is	
	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the chest, close to the heart	roviding first aid is ear Question ID	: 630680781015
	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the chest, close to the heart	roviding first aid is ear Question ID Status	: 630680781015 : Answered
	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the chest, close to the heart	roviding first aid is ear Question ID	: 630680781015 : Answered
Ans	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the chest, close to the heart	Question ID Status Chosen Option	: 630680781015 : Answered
Ans	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the existing the control of the left side of the chest, close to the heart X D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report	Question ID Status Chosen Option	: 630680781015 : Answered
Ans	located: A. on either side of the neck, below the jaw bone B. on the either side of the head, between the forehead and the example. C. on the left side of the chest, close to the heart D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report over the telephone to an emergency service?	Question ID Status Chosen Option	: 630680781015 : Answered
Ans	located: A. on either side of the neck, below the jaw bone B. on the either side of the head, between the forehead and the example. C. on the left side of the chest, close to the heart D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report over the telephone to an emergency service? A. Reporting the location of incident	Question ID Status Chosen Option	: 630680781015 : Answered
Ans Q.4	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the extension of the left side of the chest, close to the heart X D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report over the telephone to an emergency service? X A. Reporting the location of incident X B. Describing the nature of the emergency	Question ID Status Chosen Option	: 630680781015 : Answered
Ans Q.4	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the expectation of the left side of the chest, close to the heart X D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report over the telephone to an emergency service? X A. Reporting the location of incident X B. Describing the nature of the emergency X C. Explaining how the incident occurred	Question ID Status Chosen Option	: 630680781015 : Answered
Ans Q.4	located: ✓ A. on either side of the neck, below the jaw bone X B. on the either side of the head, between the forehead and the expectation of the left side of the chest, close to the heart X D. on the right side of the abdomen, close to the liver Which of the following actions is NOT recommended while report over the telephone to an emergency service? X A. Reporting the location of incident X B. Describing the nature of the emergency X C. Explaining how the incident occurred	Question ID Status Chosen Option Question ID	: 630680781015 : Answered



	X A. XNOR	
	X B. AND	
	X C. OR	
	✓ D. NAND	
		Question ID : 630680781013
		Status : Answered
		Chosen Option: D
10		
2.10	The personal protective equipment (PPE) shown in the given f	figure is categorised as:
Ans	★ A. PPE6	
	★ B. PPE4	
	✓ C. PPE2	
	X D. PPE8	
		Question ID : 630680781016
		Question ID : 630680781016 Status : Not Answered Chosen Option :
		Status : Not Answered Chosen Option :
Q.11	An earth electrode is a piece of pipe electrically connect of the earth	Status : Not Answered Chosen Option :
	An earth electrode is a piece of pipe electrically connect	Status : Not Answered Chosen Option :
	An earth electrode is a piece of pipe electrically connect of the earth	Status : Not Answered Chosen Option :
	An earth electrode is a piece of pipe electrically connect of the earth A. metal	Status : Not Answered Chosen Option :
	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber	Status : Not Answered Chosen Option :
	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber C. PVC	Status : Not Answered Chosen Option : ted to the general mass
	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber C. PVC	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962
	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber C. PVC	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered
	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber C. PVC	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962
\ns	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two successions.	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth A. metal B. rubber C. PVC D. wooden	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage?	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage? X A. 20%	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage? X A. 20% X B. 15%	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage? X A. 20% X B. 15% X C. 8%	Status : Not Answered Chosen Option : ted to the general mass Question ID : 630680780962 Status : Answered Chosen Option : A Coccessive discounts of
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage? X A. 20% X B. 15% X C. 8%	Status: Not Answered Chosen Option: ted to the general mass Question ID: 630680780962 Status: Answered Chosen Option: A Coccessive discounts of Question ID: 630680756631
Ans Q.12	An earth electrode is a piece of pipe electrically connect of the earth ✓ A. metal X B. rubber X C. PVC X D. wooden An item is marked for ₹2,000 and is sold for ₹1,440 after two such which the first is 20%. What is the second discount percentage? X A. 20% X B. 15% X C. 8%	Status: Not Answered Chosen Option: ted to the general mass Question ID: 630680780962 Status: Answered Chosen Option: A ccessive discounts of ?

Q.13 What is the recommended immediate action to be taken when an accident victim is found to have no pulse after checking for it?

X A. Take the victim to the hospital.

B. Give water to the victim.

C. Start CPR on the victim.

D. Declare the death of the victim.

Question ID: 630680781009 Status: Answered Chosen Option: C

Q.14 Cut-in speed in wind turbines is defined as:

X A. the minimum speed at which the wind turbine starts movement

X B. the wind speed at which the wind turbine delivers the rated power

X C. the maximum wind speed at which the wind turbine is designed to produce power

D. the minimum wind speed at which useful power can be generated

Question ID: 630680780954 Status: Answered Chosen Option: A

Q.15 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.

You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some doors are wardrobes.

All wardrobes are mirrors.

No mirror is a room.

Conclusions:

(I) No mirror is a door.

(II) At least some rooms are doors.

Ans X A. Both conclusions (I) and (II) follow.

✓ B. Neither conclusion (I) nor (II) follows.

C. Only conclusion (I) follows.

X D. Only conclusion (II) follows.

Question ID: 630680349915 Status: Answered

Chosen Option: B

Q.16 Which of the following speed control method allows to control the direction of rotation of DC motor?

Ans

X A. Supply voltage control method

B. Ward-Leonard system of speed control

X C. Series field tapping method

X D. Field diverter method

Question ID: 630680780946

Status: Answered

Chosen Option: B

Q.17	Match	the	fol	lowing.
------	-------	-----	-----	---------

List I	List II
a) Class A	i) Wood
b) Class B	ii) Gas
c) Class C	iii) Oil
d) Class D	iv) Metals

Ans X A. a-iv, b-iii, c-ii, d-i

X C. a-i, b-ii, c-iii, d-iv

X D. a-iv, b-ii, c-iii, d-i

Question ID: 630680781014 Status: Answered

Chosen Option : B

Q.18 Which switch is operated by means of a projecting lever that can be moved upwards and downwards?

Ans X A. Pull switch

X B. Bell-push switch

C. Toggle switch

X D. Modular switch

Question ID: 630680780998

Status: Answered

Chosen Option : C

Q.19 The nucleus of an atom comprises of _____.

X A. neutrons only

X B. protons only

C. protons and neutrons only

X D. protons, neutrons, and electrons

Question ID: 630680780967

Status: Answered

Chosen Option: C

Q.20 How many fundamental elements are mentioned in Jainism to trace the natural and supernatural things of the universe?

X A. Nine Ans

B. Seven

X C. Eight

X D. Five

Question ID: 630680216026

Status: Not Answered

Chosen Option: --

Section: Section C

 ${\bf Q.1}$ In this question, three statements are given, followed by two conclusions numbered ${\bf I}$ 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:

All purses are covers.

All bags are covers.

Some suitcases are bags.

Conclusions:

I. Some purses are bags.

II. Some suitcases are covers.

Ans

- A. Only conclusion II follows.
- X B. Only conclusion I follows.
- C. Neither conclusion I nor II follows.
- D. Both conclusions I and II follow.

Question ID: 630680519108 Status: Answered

Chosen Option: A

Q.2 Calculate the power dissipated by a resistor with a resistance of 10 Ω when a current of 2 A flows through it.

Ans X A. 5 W

X B. 10 W

✓ C. 40 W

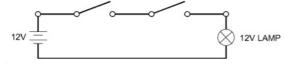
X D. 20 W

Question ID: 630680780975

Status: Answered

Chosen Option: C

The circuit shown in the given figure is an electrical equivalent of the logic gate.



Ans

✓ A. AND

X B. NAND

X C. NOT

X D. OR

Question ID: 630680781012

Status: Answered

Chosen Option : A

Q.4 The bypass diodes used in series-parallel connection of PV modules are connected

Ans

X A. in parallel with each blocking module

X B. in series with each blocking module

X C. in series with each PV module

D. in parallel with each PV module

Question ID: 630680780955

Not Attempted and Status:

Marked For Review

Chosen Option: --

5/23/24, 4:39 PM cdn. digialm. com/per/g01/pub/1139/touchstone/AssessmentQPHTMLMode1/LMRCL241/LMRCL241S4D683/1715842679908...Q.5 As per IE regulations, the load on each power sub-circuit should be restricted to X A. 500 W X B. 2000 W X C. 1000 W ✓ D. 3000 W Question ID: 630680780987 Status: Answered Chosen Option: D Q.6 Select the most appropriate option that can substitute the highlighted segment in the given sentence. He may not be a good worker, but he has a talent of speaking. Ans X A. shown his teeth X B. a man of his words C. the gift of the gab X D. his own counsel Question ID: 630680756661 Status: Answered Chosen Option: C Q.7 Which of the following statements is true regarding the severity of an electric shock? ✓ A. Severity of shock depends both on the magnitude of current and the duration of Ans contact. X B. Severity of the shock depends on the duration of the current only. X C. Severity of shock is independent of the magnitude of current and the duration of contact. X D. Severity of the shock depends on the magnitude of the current only. Question ID: 630680781006 Status: Answered Chosen Option : A Q.8 The recommended cable size for a 5 HP motor having a full load current of 7.5 A is Ans ✓ A. 2.0 mm² copper conductor cable X B. 0.5 mm² copper conductor cable X C. 0.5 mm² aluminium conductor cable X D. 1.0 mm² aluminium conductor cable Question ID: 630680780999 Status: Answered Chosen Option: A Q.9 A sum of money becomes ₹15,000 after 4 years and ₹22,500 after 8 years at the same rate of compound interest. Find the sum. **Ans X** A. ₹12,500 X B. ₹12,000 C. ₹10,000 X D. ₹7,500 Question ID: 630680524024 Status: Answered

Chosen Option: B

	In which of the following years did Akbar finally succeed in annexin Mughal empire?		
Ans	X A. 1581		
	✓ B. 1562		
	X C. 1574		
	X D. 1570		
			630680326301
		Status : Chosen Option :	Not Answered
		Chosen Option :	
	In a household, the following electrical loads are daily used. (i) 3 nos. of 40 W lights used for 6 hours/day (ii) 2 nos. of 80 W fans used for 12 hours/day (iii) 1 nos. of 1000 W immersion heater used for 1 hour/day Calculate the cost of the electric bill for the month of August if the o ₹3/unit.	cost of energy is	
Ans	X A. ₹364		
	X B. ₹3,640		
	✓ C. ₹338.52		
	X D. ₹3,385.2		
		Question ID :	630680780984
			Answered
		Chosen Option :	C
	National Sports Day, i.e., 29 th August. But for the year 2021, this aw A. 26 th January B. 15 th August		
	🗙 A. 26 th January		
	 X A. 26th January X B. 15th August ✓ C. 13th November 	ard was given on:	63068091163
	 X A. 26th January X B. 15th August ✓ C. 13th November 	ard was given on: Question ID:	63068091163 Not Answered
	 X A. 26th January X B. 15th August ✓ C. 13th November 	ard was given on: Question ID:	Not Answered
Ans	 ★ A. 26th January ★ B. 15th August ★ C. 13th November ★ D. 2nd November 	Question ID :	Not Answered
Ans 0.13	 X A. 26th January X B. 15th August ✓ C. 13th November 	Question ID :	Not Answered
Ans	 ★ A. 26th January ★ B. 15th August ★ C. 13th November ★ D. 2nd November What is the rating of a two-pin socket?	Question ID :	Not Answered
Ans	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V 	Question ID :	Not Answered
Q.13	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V 	Question ID :	Not Answered
Ans Q.13	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V 	Question ID :	Not Answered
Q.13	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V 	Question ID : Status : Chosen Option :	Not Answered
Ans Q.13	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Ans 0.13	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V 	Question ID : Status : Chosen Option :	Not Answered 630680780997 Answered
Ans 0.13 Ans	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V ✓ D. 6 A, 250 V ✓ D. 6 A, 250 V 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Q.13 Ans	 ★ A. 26th January ★ B. 15th August ✔ C. 13th November ★ D. 2nd November ★ A. 32 A, 250 V ★ B. 2 A, 250 V ★ C. 16 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ✔ A. determine the direction of dynamically induced EMF 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Q.13 Ans	 ★ A. 26th January ★ B. 15th August ✔ C. 13th November ★ D. 2nd November ★ A. 32 A, 250 V ★ A. 32 A, 250 V ★ C. 16 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ★ B. 2 A, 250 V ★ D. 6 A, 250 V ★ D. 6 A, 250 V ★ B. determine the direction of dynamically induced EMF ★ B. determine the direction of rotating magnetic field 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Q.13 Ans	 ★ A. 26th January ★ B. 15th August ✔ C. 13th November ★ D. 2nd November ★ A. 32 A, 250 V ★ B. 2 A, 250 V ★ C. 16 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ✔ A. determine the direction of dynamically induced EMF 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Q.13 Ans	 ★ A. 26th January ★ B. 15th August ✔ C. 13th November ★ D. 2nd November ★ A. 32 A, 250 V ★ A. 32 A, 250 V ★ C. 16 A, 250 V ✔ D. 6 A, 250 V ✔ D. 6 A, 250 V ★ B. 2 A, 250 V ★ D. 6 A, 250 V ★ D. 6 A, 250 V ★ B. determine the direction of dynamically induced EMF ★ B. determine the direction of rotating magnetic field 	Question ID : Status : Chosen Option : Question ID : Status : Status :	Not Answered 630680780997 Answered
Q.13 Ans	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V ✓ D. 6 A, 250 V ✓ D. 6 A, 250 V ✓ B. determine the direction of dynamically induced EMF X B. determine the direction of rotating magnetic field X C. determine the direction of armature movement 	Question ID: Status: Chosen Option: Question ID: Status: Chosen Option:	630680780997 Answered D
Q.13 Ans	 X A. 26th January X B. 15th August ✓ C. 13th November X D. 2nd November X D. 2nd November What is the rating of a two-pin socket? X A. 32 A, 250 V X B. 2 A, 250 V X C. 16 A, 250 V ✓ D. 6 A, 250 V ✓ D. 6 A, 250 V ✓ B. determine the direction of dynamically induced EMF X B. determine the direction of rotating magnetic field X C. determine the direction of armature movement 	Question ID: Status: Chosen Option: Question ID: Status: Chosen Option:	Not Answered 630680780997 Answered

Q.15 Which of the following is an example of ferromagnetic substances?

Ans 💢 A. Platinum

X B. Bismuth

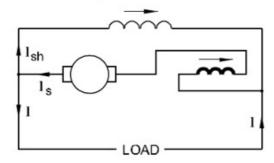
X C. Graphite

D. Nickel

Question ID : 630680780980 Status : Answered

Chosen Option : D

Q.16 Identify the type of DC generator shown in the given figure.



Ans X A. Differential short shunt compound generator

X B. Cumulative short shunt compound generator

C. Cumulative long shunt compound generator

X D. Differential long shunt compound generator

Question ID : 630680780943

Status : Answered

Chosen Option : D

- Q.17 Consider the following statements as per IE regulations for the main switch and distribution board.
 - i) The neutral wire should have a break in the form of a switch or fuse unit.
 - ii) All main switches should be either of metal-clad enclosed pattern or of any insulated enclosed pattern.
 - iii) The main switchgear should be located in a place where it is accessible.
 - iv) Switchboards shall not be erected above gas stoves or sinks.

Which of the above statements are true?

Ans

A. ii, iii, and iv only

X B. i and ii only

X C. iii and iv only

X D. i, ii and iii only

Question ID : 630680781000

Status : Answered

Chosen Option : A

Q.18 The safety sign shown in the given figure is an example of _____



Ans X A. warning sign

B. mandatory sign

X C. information sign

X D. prohibition sign

Question ID: 630680781002

Status : Answered

Chosen Option : B

Q.19 In the context of waste disposal methods, incineration refers to _____

Ans X A. a process compaction of waste materials into blocks and sending for recycling

X B. a process of landfilling in low lying areas

C. a process of controlled combustion of garbage to reduce it to incombustible matter

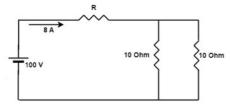
X D. a natural process involving breaking down the waste material into organic compounds that can be used as manure

Question ID: 630680781008

Status: Answered

Chosen Option : C

Q.20 For the circuit shown in the given figure, determine the value of the unknown resistance R.



Ans

✓ A. 7.5 ohms

X B. 10 ohms

X C. 5 ohms

X D. 2.5 ohms

Question ID: 630680780972

Status : Answered

Chosen Option : A

Section: Section D

Q.1 The cable connected between the distributer to the consumers meter is called ____

Ans X A. feeder

X B. ring main

C. service mains

X D. connector

Question ID : 630680780952 Status : Answered

Chosen Option : C

Q.2 _____ relays are capable of maintaining their contacts in the last assumed position without the maintained current in the coil.

Ans A. Latching

X B. Magnetic

X C. Sensing

X D. Impulse

Question ID: 630680780992

Status: Answered

Chosen Option: A

Q.3 Two pipes P1 and P2, can fill a tank in 30 minutes and 42 minutes, respectively. The third pipe P3 can empty the completely filled tank in 24 minutes. Initially P1 and P2 are opened. After 6 minutes, P3 is also opened. The tank will get filled in:

Ans

$$\times$$
 A 38 $\frac{4}{7}$ minutes

$$\times$$
 B. $32\frac{4}{7}$ minutes

$$\checkmark$$
 0.48 $\frac{6}{13}$ minutes

$$\times$$
 D. $32\frac{2}{13}$ minutes

Question ID: 630680629073

Status: Answered

Chosen Option : C

Q.4 Earthing of non-current carrying metal work and conductor, which is essential for safety is known as ______ earthing.

Ans

X A. low voltage

X B. high voltage

C. equipment

X D. system

Question ID: 630680780963

Status : Answered

Chosen Option : C

	Shaggy horn wild ibex are found in which type of forests in le	ndia?
Ans	X A. Mangrove forests	
	X B. Tropical deciduous forests	
	✗ C. The thorn forests and scrubs	
	✓ D. Montane forests	
		Question ID : 630680511334
		Status : Not Answered Chosen Option :
Q.6	Select the most appropriate option to fill in the blank. One hour has elapsed she went outside.	
Ans	X A. early	
	X B. before	
	X C. after	
	✓ D. since	
		Ougstion ID + 620690475074
		Question ID : 630680175874 Status : Answered
		Chosen Option : D
Q.7	In December 2022, who among the following has set the nati- breaststroke in 25 m FINA World Swimming Championships'	
Ans	X A. Kanchanmala Pande	
	🗡 B. Rupali Repale	
	✗ B. Rupali Repale✓ C. Chahat Arora	
	C. Chahat Arora	
	C. Chahat Arora	Question ID : 630680170435
	C. Chahat Arora	Question ID : 630680170435 Status : Not Answered Chosen Option :
	C. Chahat Arora	Status : Not Answered
	C. Chahat Arora D. Siva Sridhar Which of the following is considered as an earth fault?	Status : Not Answered Chosen Option :
Q.8 Ans	 ✓ C. Chahat Arora ✓ D. Siva Sridhar Which of the following is considered as an earth fault? ✓ A. Insulated portion of an electrical system getting accidental 	Status : Not Answered Chosen Option :
	C. Chahat Arora D. Siva Sridhar Which of the following is considered as an earth fault?	Status : Not Answered Chosen Option : ally connected to insulated
	 ✓ C. Chahat Arora ✓ D. Siva Sridhar Which of the following is considered as an earth fault? ✓ A. Insulated portion of an electrical system getting accidental portion of a different electrical system ✓ B. Live portion of an electrical system getting accidentally considered as an earth fault? 	Status : Not Answered Chosen Option : ally connected to insulated connected to live portion of a
	 ✓ C. Chahat Arora X D. Siva Sridhar Which of the following is considered as an earth fault? X A. Insulated portion of an electrical system getting accidental portion of a different electrical system X B. Live portion of an electrical system getting accidentally of different electrical system X C. Live portion of an electrical system getting accidentally of the control of the	Status : Not Answered Chosen Option : ally connected to insulated connected to live portion of a connected to insulation
	 ✓ C. Chahat Arora ✓ D. Siva Sridhar Which of the following is considered as an earth fault? ✓ A. Insulated portion of an electrical system getting accidental portion of a different electrical system ✓ B. Live portion of an electrical system getting accidentally of different electrical system ✓ C. Live portion of an electrical system getting accidentally of medium 	Status: Not Answered Chosen Option: ally connected to insulated connected to live portion of a connected to insulation connected to earth
	 ✓ C. Chahat Arora ✓ D. Siva Sridhar Which of the following is considered as an earth fault? ✓ A. Insulated portion of an electrical system getting accidental portion of a different electrical system ✓ B. Live portion of an electrical system getting accidentally of different electrical system ✓ C. Live portion of an electrical system getting accidentally of medium 	Status : Not Answered Chosen Option : ally connected to insulated connected to live portion of a connected to insulation

Q.9 Match the following.

List I	List II	
a) Resistance	i) Henry	
b) Inductance	ii) Volts	
c) Voltage	iii) Farad	
d) Capacitance	iv) Ohms	

Ans

- A. a-iv, b-i, c-ii, d-iii
 - X B. a-iv, b-ii, c-i, d-iii
 - X C. a-iii, b-ii, c-i, d-iv
 - X D. a-iii, b-ii, c-iv, d-i

Question ID: 630680780977 Status: Answered

Chosen Option: A

Q.10 A voltage operated ELCB is designed to trip when the potential difference between the protected metal work of the installation and the general mass of earth exceeds

Ans

- X A. 8 V
- ✓ B. 24 V
- X C. 12 V
- X D. 6 V

Question ID: 630680780989

Status: Not Answered

Chosen Option: --

Q.11 As per B.I.S. 9320 - 1979, in DC machines, the insulation resistance, when the high voltage test is applied, should NOT be less than _

Ans

- A. 1 mega ohm
- X B. 1 micro ohm
- X C. 1 milli ohm
- X D. 100 mega ohms

Question ID: 630680780949 Status: Answered

Chosen Option : D

Q.12 A three-phase balanced delta connection has a line voltage of 440 V. Determine the phase voltage.

Ans X A. 220 V

X B. 254.04 V

✓ C. 440 V

X D. 762.08 V

Question ID: 630680780978

Status: Answered

Chosen Option: C

Q.13	The decimal equivalent of the binary number [1011] ₂ is			
Ans	✓ A. [11] ₁₀			
	★ B. [111] ₁₀			
	 ★ C. [100]₁₀ ★ D. [10]₁₀ 			
		Question ID : 630680780966		
		Status : Answered		
		Chosen Option : A		
	If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 3965742, how many digits will appear more than once in the new number thus formed?			
Ans	X A. One			
	✓ B. Three			
	X C. Two			
	X D. None			
		Question ID : 630680542535		
		Status : Answered		
		Chosen Option : B		
	 ★ A. Eddy current loss ✔ B. Friction and windage loss ★ C. Copper loss ★ D. Hysteresis loss 			
Ans	✓ B. Friction and windage loss✓ C. Copper loss			
Ans	✓ B. Friction and windage loss✓ C. Copper loss	Over 15 to 17 0000007000 10		
Ans	✓ B. Friction and windage loss✓ C. Copper loss	Question ID : 630680780940 Status : Answered		
Ans	✓ B. Friction and windage loss✓ C. Copper loss	Question ID : 630680780940 Status : Answered Chosen Option : B		
	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss 	Status : Answered Chosen Option : B		
Q.16	✓ B. Friction and windage loss✓ C. Copper loss	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable.	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitably victim from contact with the live conductor?	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod 	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand 	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod 	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand 	Status : Answered Chosen Option : B		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand 	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered		
Q.16	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand 	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand 	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar 	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the conductor of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the protect circuits with the protect circuits with resist	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the protect	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the conductor of the following items is suitable victim from contact with the live conductor? ✓ A. L series ✓ B. DC series ✓ C. R series 	Status : Answered Chosen Option : B e for removing the Question ID : 630680781003 Status : Answered Chosen Option : A		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the conductor of the following items is suitable victim from contact with the live conductor? ✓ A. L series ✓ B. DC series ✓ C. R series 	Status : Answered Chosen Option : B Question ID : 630680781003 Status : Answered Chosen Option : A loads? Question ID : 630680780988		
Q.16 Ans	 ✓ B. Friction and windage loss ✓ C. Copper loss ✓ D. Hysteresis loss In case of an electric shock, which of the following items is suitable victim from contact with the live conductor? ✓ A. Dry wooden bar ✓ B. Metallic rod ✓ C. Bare human hand ✓ D. Wet wooden bar Which series MCBs are designed to protect circuits with resistive leading to the conductor of the following items is suitable victim from contact with the live conductor? ✓ A. L series ✓ B. DC series ✓ C. R series 	Status: Answered Chosen Option: B e for removing the Question ID: 630680781003 Status: Answered Chosen Option: A		

	In a wind turbine system, adjusting the nacelle about the vertical axis to bring the rotor facing the wind is termed as		
Ans	X A. teeter control		
	X B. hub control		
	✓ C. yaw control		
	✗ D. pitch control		
		Question ID : 630680780960 Status : Answered Chosen Option : C	
Q.19	As continuity tests may not reveal internal short circuits in winding recommended to perform which of the following tests to determine circuits?	gs, it is e such short	
Ans	✓ A. Resistance measurement test		
	X B. Armature reaction test		
	★ C. Brush movement test		
	X D. Insulation resistance test		
		Question ID : 630680780950 Status : Answered Chosen Option : A	
Q.20 Ans	What is the possible reason for DC motor failing to start upon contact A. Loose foundation bolts	necting to supply?	
A113	X B. Short circuit between filed coil turns		
	X C. Brushes ahead of neutral plane		
	✓ D. Open circuit in starter		
		Question ID : 630680780947 Status : Answered Chosen Option : D	

Section : Section E

Q.1 Who among the following organised a Salt March in Tamil Nadu to break the Salt Law in 1930?

Ans 🗳 A. C Rajagopalachari

X B. Gopalbandhu Chaudhuri

X C. K Kelappan

X D. Ambika Kant Sinha

Question ID : 630680163726 Status: Answered

Chosen Option : C

Ans	X A. 1558.8 W			
	★ B. 100 W			
	★ C. 173.2 W			
	✓ D. 800 W			
		Question ID : 630680780983		
		Status : Answered		
		Chosen Option : D		
	A fuse selected for over-current protection should NOT	have a fusing factor of more		
ں Ans	than X A. 3.4			
	✓ B. 1.4			
	X C. 8.3			
	X D. 5.9			
		Question ID : 630680780991		
		Status : Answered Chosen Option : B		
Q.4 I	In a DC generator, the MMF due to armature conductor following cases?	s is absent in which of the		
Ans '	✓ A. No load			
	X B. Half full load			
	X C. Full load			
	X D. Above full load			
		Question ID : 630680780939 Status : Answered		
		Chosen Option : A		
Q.5 [Determine the rating of a fuse having 4 strands each of (Assume the paralleling factor as 0.8.)	35 SWG - copper wire of 5 A.		
Ans	X A. 35 A			
	✓ B. 16 A			
	★ C. 25 A			
	X D. 2.5 A			
		Question ID : 630680781001 Status : Not Answered		

	Q.7 What is the rms value of the voltage of the sinusoidal wave wave if the peak value is 100 V?			
Ans				
7.11.0	★ B. 282.4 V			
	X C. 35.4 V			
	C. 35.4 VX D. 141.4 V			
		Question ID : 630680780956		
		Status : Answered		
		Chosen Option : A		
Q.8	Which of the following statements is NOT correct in case of a series	circuit?		
Ans	✓ A. The total resistance is always less than the sum of individual resistances that make			
	up the circuit. X B. Total power is equal to the dissipated by the individual resistance	e		
	C. Current is the same in all parts of the circuit.	<u> </u>		
	 Out the sum of voltage drops across the individual resistances equal 	is the applied		
	із ше арріїец			
		O f ID		
		Question ID : 630680780982 Status : Answered		
		Chosen Option : A		
Q.9	The no-load current in a transformer the primary voltage.			
Ans	X A. leads			
	→ B. lags → C. A.			
	C. is in phase with			
	X D. is exactly in phase opposition with			
		Question ID : 630680781018		
		Question ID : 630680781018 Status : Answered		
Q.10	The bimetallic relays where the bimetallic element changes its shap changes in temperature comes under the category of relays.	Status : Answered Chosen Option : B		
Q.10 Ans		Status : Answered Chosen Option : B		
	changes in temperature comes under the category of relays.	Status : Answered Chosen Option : B		
	changes in temperature comes under the category of relays. **A. ferreed**	Status : Answered Chosen Option : B		
	changes in temperature comes under the category of relays. *\times A. ferreed *\times B. thermal	Status : Answered Chosen Option : B		
	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic	Status : Answered Chosen Option : B e, in response to		
	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994		
	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic	Status : Answered Chosen Option : B e, in response to		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language?	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6 B. 7	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6 B. 7 C. 9	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6 B. 7	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6 B. 7 C. 9	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B s coded as '6479'.		
Ans	changes in temperature comes under the category of relays. X A. ferreed B. thermal C. electromagnetic D. latching In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is What is the code for 'G' in the given code language? X A. 6 B. 7 C. 9	Status : Answered Chosen Option : B e, in response to Question ID : 630680780994 Status : Answered Chosen Option : B		

Q.12 The population of a society reduced from 2500 to 2275 due to continuous problem of dirty water supply. What is the percentage decrease in population of the society?

Ans

X B. 8%

X C. 11%

✓ D. 9%

Question ID : 630680756624
Status : Answered
Chosen Option : D

Q.13 Which of the following statements is the best elaboration of India's state in the Global Hunger Index (GHI) 2023?

Ans X A. India ranks 111, and the report highlights substantial progress against hunger since

X B. India ranks 125, and the report suggests no change in the progress against hunger since 2015.

C. India ranks 111, and the report suggests progress against hunger has nearly halted since 2015

X D. India ranks 125, and the report indicates significant progress against hunger since 2015.

Question ID : 630680579879 Status : Not Answered

Chosen Option: --

Q.14 Match the following.

List I	List II	
a) Moderator	i) Provides fission material	
b) Fuel rods	ii) Cadmium	
c) Control rods	iii) Transfers heat	
d) Coolant	iv) Slows down neutrons	

Ans X A. a-iii, b-ii, c-i, d-iv

X B. a-iii, b-ii, c-iv, d-i

X C. a-iv, b-ii, c-i, d-iii

✓ D. a-iv, b-i, c-ii, d-iii

Question ID : 630680780958 Status : Answered

Chosen Option : D

Q.15 In a transformer, the number of turns per volt is 10. The primary voltage is 110 V. Find the primary and secondary turns required if secondary voltage is to be 25 V.

Ans X A. Primary turns = 25 and secondary turns = 11

X B. Primary turns = 11 and secondary turns = 25

C. Primary turns = 110 and secondary turns = 25

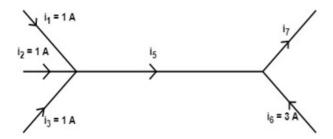
✓ D. Primary turns = 1100 and secondary turns = 250

Question ID : 630680781021

Status : Answered

Chosen Option : D

Q.16 Find the current i_7 in the following figure.



Ans

X A. 3 A

X C. 2 A

X D. 0 A

Question ID: 630680780973

Status: Answered

Chosen Option: B

Q.17 Reluctance and permeability in magnetic circuits are analogous to ____ _, respectively, in electric circuits.

Ans

X A. conductivity; resistance

X B. permanence; conductance

C. resistance; conductivity

D. conductance; permanence

Question ID: 630680780979

Status: Answered

Chosen Option : C

Q.18 Select the most appropriate ANTONYM of the word 'Gorgeous' from the given sentence.

She is magnificent and brilliant, but her behaviour is dull but honest towards me.

Ans

X A. magnificent

X B. brillant

C. dull

X D. honest

Question ID: 630680597335

Status: Answered

Chosen Option : A

Q.19 Which of the following methods is suggested to bring down the earth electrode resistance to an acceptable value?

Ans

X A. Connecting a number of earth electrodes in series

X B. Coating the earth electrodes with paint

C. Connecting a number of earth electrodes in parallel

D. Treating the earth pit with silica gel

Question ID: 630680780964

Status: Answered

Chosen Option: C

Q.20 Which of the following is NOT true in case of DC motors?

Ans X A. Never open the shunt field of a compound motor when the motor is operating at high load.

→ B. The direction of force produced on a current-carrying conductor placed in a magnetic field can be determined by Fleming's right-hand rule.

X C. It is advisable to short-circuit the series field of the differential compound motor at the time of starting.

X D. DC compound motor has both shunt and series fields for producing the required main flux in the poles.

Question ID : 630680780945 Status : Answered

Chosen Option : B