

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	11618060270
Participant Name	MIKKUKUMAN
Test Center Name	Cosmo Foundation
Test Date	12/05/2024
Test Time	9:00 AM - 11:00 AM
Subject	Maintainer Electrical

Contina	Section	Α

Q.1 The thickness of galvanised iron plate electrodes used for earthing should not be less than:

Ans

✓ A. 6.3 mm

X B. 10 mm

X C. 3.15 mm

X D. 12.33 m

Question ID: 630680780965

Status: Answered

Chosen Option: A

Q.2 Which of the following is the drawback of AC electric power transmission?

Ans

X A. It is impossible to transmit power over a long distance.

✓ B. Effective resistance of AC transmission lines is increased due to skin effect.

X C. Power cannot be generated at higher voltages due to commutation problems.

X D. Step-up or step-down transformation of voltages is not possible.

Question ID: 630680780957

Status: Answered

Chosen Option : A

Q.3 Select the most appropriate option to fill in the blank.

The child _____ happy now.

Ans

A. seems

X B. seem

X C. seeming

X D. seemed

Question ID: 630680300682

Status: Answered

Chosen Option: A

	Which part of the DC machine is responsible for rectification in a DC get	nerator?
Ans	A. Commutator	
	X B. Interpoles	
	★ C. Field poles	
	X D. Yoke	
		Question ID : 630680780942
		Status: Answered
		Chosen Option : A
Q.5 Ans	A 400 V, three-phase, 50Hz supply is fed to a delta connected load having coils, each coil having an impedance of 12 ohms. Determine the line cut A. 19.24 A	ng three identical rent.
	✔ B. 57.73 A	
	X C. 115.46 A	
	★ D. 38.48 A	and the same of th
		Question ID : 630680780961
		Status : Answered
		Chosen Option : D
Q.6 Ans	The theory of the Eightfold Path is primarily related to the sermon of: ✓ A. Siddhartha Gautama ✓ B. Suddhodhana ✓ C. Mahaprajapati Gautami ✓ D. Ananda	
		Question ID : 630680305948
		Status : Not Answered Chosen Option :
Q.7	Which of the following is a three-terminal device capable of making or beconnections from a single position?	reaking two
ıns	X A. Intermediate switch	
	X B. Push-button switch	
	C. Two-way switch	
	X D. One-way switch	
		Question ID: 630680780993
		Question ID : 630680780993 Status : Answered

Q.8	The purpose of blocking diodes used in series-parallel connection of P	/ modules is to
Ans	✓ A. prevent power absorption by the failed string of PV modules	
	X B. enhance the power generating capacity of the PV module	
	✗ C. internal short circuit protection of PV cells	
	X D. bypass the failed module in a string of PV modules	
		Question ID : 630680780959 Status : Answered
		Chosen Option : D
Q.9	When was World Radio Day 2021 celebrated to raise a greater awarenes and the media regarding the importance of radio?	ss among the public
Ans	X A. 22 nd April	
	★ C. 18 th March	
	X D. 10 th January	
		Question ID : 63068074605
		Status: Not Answered
		Chosen Option :
Ans	निम्नलिखित में से कौन-से चरण अग्निशामक यंत्र के संचालन के सही क्रम को दर्शाते हैं ※ A. खींचो, लक्ष्य साधो, फैलाओ, दबाओ ※ B. लक्ष्य साधो, खींचो, दबाओ, फैलाओ ※ C. खींचो, लक्ष्य साधो, दबाओ, फैलाओ ※ D. लक्ष्य साधो, दबाओ, खींचो, फैलाओ	Question ID : 630680781010 Status : Answered Chosen Option : A
0.11		
Q.11	The space between the two gates through which majority carriers pass in a FET is called a	from source to drain
Ans	X A. terminal	
	X B. junction	
	X C. probe	
	✓ D. channel	
		Question ID : 630680780969

Q.12	How much electrical energy is consumed in an electric heater rated as for 60 minutes?	1000 W, 250 V, used
Ans	X A. 1000 W	
	★ B. 60 kWh	
	✓ C. 1 kWh	
	X D. 60000 W	
		Question ID : 630680780976
		Status : Answered Chosen Option : C
		Sind Spinor 10
Q.13	Which of the following statements are true? i) A semiconductor with excess of electrons is called N-type. ii) Free electrons are minority carriers in P-type semiconductor material iii) Copper and aluminium are examples of semiconductor materials. iv) Once the depletion layer is established, carriers can move freely three depletions.	
Ans	X A. iii and iv only	
	X B. i, ii and iii only	
	C. i, ii, iii, and iv	
	✓ D. i and ii only	
		Question ID : 630680780971 Status : Answered Chosen Option : D
Q.14 Ans	A uni-junction transistor has emitter(s) and base(s). X A. two; one X B. one; one C. one; two D. two; two	
		Question ID : 630680780968
		Status: Answered
	M.	Chosen Option: B
Q.15	In a certain code language, 'GLOW' is coded as '3214' and 'LONG' is code	led as '1438'. What
A	is the code for 'N' in the given code language?	
Ans	X A. 2	
	✓ B. 8 X C. 1	
	X D. 3	
		Question ID : 630680568432
		Status : Answered
		Chosen Option: B

Q.16 Which of the following is an example of non-conventional sources of energy? Ans A. Biomass energy X B. Hydro energy C. Coal-based thermal energy X D. Nuclear energy Question ID: 630680780953 Status: Answered Chosen Option: C Q.17 Which fire extinguisher should be used to extinguish a class C fire? X A. Halon type Ans X B. Liquid type X C. CO₂ type D. Dry powder type Question ID: 630680781007 Status: Answered Chosen Option: D Q.18 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 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. X A. iii and iv only X B. i, ii, iii, and iv C. i and ii only X D. i, ii and iii only Question ID: 630680780985 Status: Answered Chosen Option: C Q.19 Which of the following is true in case of statically induced EMF? X A. Conductor is moving in a stationary magnetic field B. Conductor is stationary and flux linking is changing X C. Conductor is moving and flux linking is also changing X D. Conductor is stationary in a stationary magnetic field Question ID: 630680780937 Status: Answered Chosen Option: A

ns	X A. 15.5%	
	X B. 15%	
	✓ C. 14.5%	
	X D. 14%	
		Question ID : 630680756618
		Status : Answered
		Chosen Option : C
_		
ecti	on : Section B	
Q.1	Cut-in speed in wind turbines is defined as:	
Ans	A. the minimum wind speed at which useful power can b	e generated
	X B. the wind speed at which the wind turbine delivers the re	ated power
	X C. the maximum wind speed at which the wind turbine is	designed to produce power
	igwedge D. the minimum speed at which the wind turbine starts m	ovement
		0 11 10 400400700074
		Question ID : 630680780954 Status : Answered
		Chosen Option : A
_		
Q.2	Which switch is operated by means of a projecting lever that downwards?	can be moved upwards and
Ans	✓ A. Toggle switch	
	X B. Modular switch	
	X C. Bell-push switch	
	X D. Pull switch	
	· M·	Question ID : 630680780998
		Status : Answered Chosen Option : D
		onoscii option. D
Q.3	An earth electrode is a piece of pipe electrically connected the earth	eted to the general mass of the
Ans	✓ A. metal	
	X B. rubber	
	★ C. wooden	
	X D. PVC	
		Question ID : 630680780962
		Status : Answered Chosen Option : A
		Chosen Option . A

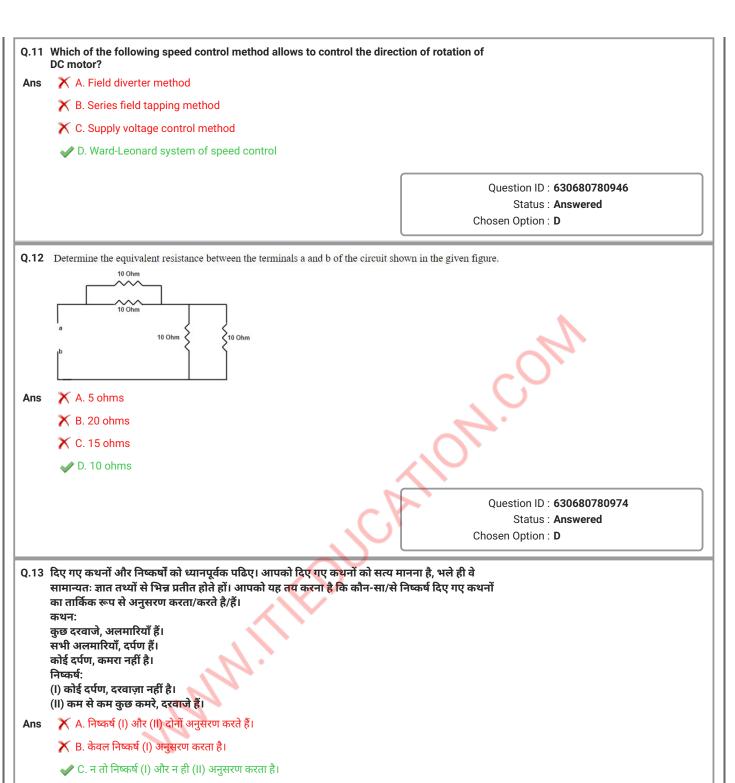
Q.20 For the construction of express way, part of Raju's field was taken by the Govt. As a result the length and the breadth of Raju's field got reduced by 10% and 5%, respectively. What is the net percentage decrease in the area of Raju's field?

Q.4 शरीर के बाहर चोट से सुरक्षा के लिए, अर्थात सिर, आंख, चेहरे, हाथ, बांह, पैर आदि की सुरक्षा के लिए उपयोग किए जाने वाले व्यक्तिगत सुरक्षा उपकरण (PPE) को किस प्रकार वर्गीकृत किया गया है? Ans 🗶 B. आवश्यक PPE 🗶 C. श्वसन प्रकार PPE 🗙 D. गैर-आवश्यक PPE Question ID: 630680781005 Status: Answered Chosen Option: B Q.5 Match the following. List I List II a) Class A i) Wood b) Class B ii) Gas iii) Oil c) Class C d) Class D iv) Metals X A. a-i, b-ii, c-iii, d-iv Ans X B. a-iv, b-iii, c-ii, d-i C. a-i, b-iii, c-ii, d-iv X D. a-iv, b-ii, c-iii, d-i Ouestion ID: 630680781014 Status: Answered Chosen Option : C Q.6 The carotid artery that is used to check the victim's pulse while providing first aid is located: X A. on the right side of the abdomen, close to the liver B. on either side of the neck, below the jaw bone X C. on the left side of the chest, close to the heart X D. on the either side of the head, between the forehead and the ear

> Question ID : 630680781015 Status : Answered

Chosen Option: C

Q.7	Select the most appropriate ANTONYM of the underlined word in the given sentence.	
	It was an <u>awkward</u> moment, and Mr. Satterthwaite was momentarily or	ut of words.
Ans	X A. Uneasy	
	→ B. Composed	
	★ C. Genius	
	X D. Terrible	
		Question ID: 630680375528
		Status : Answered
		Chosen Option : C
Q.8	The nucleus of an atom comprises of	
Ans	X A. protons, neutrons, and electrons	
	X B. neutrons only	
	X C. protons only	
	✓ D. protons and neutrons only	
	• .,	
		Question ID : 630680780967
		Status : Answered
		Chosen Option : D
Q.9	To reduce the error in a potential transformer, it is required to provide .	.10
Ans	X A. core of least permeability	
	✓ B. a short magnetic path	
	X C. a long magnetic path	Y
	 D. magnetic insulation between primary and secondary coils 	
	D. magnetic insulation between primary and secondary cons	
		Question ID : 630680781019
		Status : Answered
		Chosen Option : D
0.10	The direction of the rotation of a DC shunt motor can be changed by	
Ans	A. interchanging the supply connections	_
	X B. changing the direction of the field current only	
	C. changing the direction of the armature current only	
		aging the direction of
	D. either changing the direction of the armature current or by char the field current	iging the direction of
		Question ID : 630680780944
		Status : Answered
		Chosen Option : D



🔀 D. केवल निष्कर्ष (II) अनुसरण करता है।

Question ID : 630680349915 Status : Answered

Chosen Option: D

Q.14 The personal protective equipment (PPE) shown in the given figure is categorised as: X A. PPE6 Ans X B. PPE4 C. PPE8 / D. PPE2 Question ID: 630680781016 Status: Answered Chosen Option: B Q.15 Which of the following actions is NOT recommended while reporting an emergency over the telephone to an emergency service? X A. Explaining how the incident occurred Ans ✓ B. Not responding to the dispatcher's follow-up questions X C. Reporting the location of incident X D. Describing the nature of the emergency Question ID: 630680781004 Status: Answered Chosen Option: C Q.16 Which of the following logic gates gives low output (logic = 0) when all the inputs are in high state? Ans X A. AND X B. OR C. XNOR J. NAND Question ID: 630680781013 Status: Not Answered Chosen Option: --Q.17 COP26 में, भारत ने _ ् तक कार्बन तटस्थ बनने का वादा किया है। Ans X A. 2040 ✓ B. 2070 X C. 2050 X D. 2060 Question ID: 63068098967 Status: Not Answered Chosen Option: --

ns	तत्काल क्या कार्रवाई करने की अनुशंसा की जाती है? X A. पीड़ित को पानी पिलाएं।	
	✔ B. पीड़ित पर CPR शुरू करें।	
	X C. पीड़ित को अस्पताल ले जाएं।	
	🗙 D. पीड़ित की मौत की घोषणा करें।	
	Control and an arrangement	
		Question ID: 630680781009
		Status : Answered
		Chosen Option : B
2.19	How many fundamental elements are mentioned in Jainist supernatural things of the universe?	m to trace the natural and
Ans	X A. Nine	
	X B. Five	
	X C. Eight	and the same of th
	✓ D. Seven	
		Question ID: 630680216026
		Status : Answered
Q.20	एक वस्तु का अंकित मूल्य ₹2,000 है और उसे दो क्रमिक छूटों के बाद पहली छूट 20% है। दूसरी छूट कितनी है?	Status : Answered Chosen Option : B
	एक वस्तु का अंकित मूल्य ₹2,000 है और उसे दो क्रमिक छूटों के बाद पहली छूट 20% है। दूसरी छूट कितनी है?	Status : Answered Chosen Option : B
	पहली छूट 20% है। दूसरी छूट कितनी है?	Status : Answered Chosen Option : B
	पहली छूट 20% है। दूसरी छूट कितनी है? ৵ A. 10%	Status : Answered Chosen Option : B
	पहली छूट 20% है। दूसरी छूट कितनी है? A. 10%	Status : Answered Chosen Option : B
	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से
	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631
	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631
	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
Ans	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ➤ B. 8% ➤ C. 20%	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
ection	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% on: Section C What is the rating of a two-pin socket?	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
ection Q.1	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% on: Section C What is the rating of a two-pin socket? ✗ A. 32 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
ection Q.1	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% On: Section C What is the rating of a two-pin socket? ✗ A. 32 A, 250 V ✓ B. 6 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
ection	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% What is the rating of a two-pin socket? ✗ A. 32 A, 250 V ✓ B. 6 A, 250 V ✗ C. 16 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
ection Q.1	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% On: Section C What is the rating of a two-pin socket? ✗ A. 32 A, 250 V ✓ B. 6 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
Ans	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% What is the rating of a two-pin socket? ✗ A. 32 A, 250 V ✓ B. 6 A, 250 V ✗ C. 16 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered
Ans	पहली छूट 20% है। दूसरी छूट कितनी है? ✓ A. 10% ✗ B. 8% ✗ C. 20% ✗ D. 15% What is the rating of a two-pin socket? ✗ A. 32 A, 250 V ✓ B. 6 A, 250 V ✗ C. 16 A, 250 V	Status : Answered Chosen Option : B ₹1,440 में बेचा जाता है, जिसमें से Question ID : 630680756631 Status : Answered Chosen Option : B

П

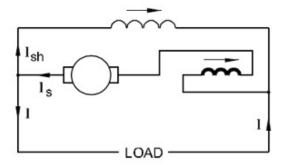
Q.2 The recommended cable size for a 5 HP motor having a full load current of 7.5 A is ____ Ans ✓ A. 2.0 mm² copper conductor cable X B. 1.0 mm² aluminium conductor cable X C. 0.5 mm² aluminium conductor cable X D. 0.5 mm² copper conductor cable Question ID: 630680780999 Status: Answered Chosen Option: A Q.3 Fleming's right-hand rule is employed to: X A. determine the direction of rotating magnetic field Ans B. determine the direction of dynamically induced EMF X C. determine the direction of motor rotation X D. determine the direction of armature movement Question ID: 630680780938 Status: Answered Chosen Option: A Q.4 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? X A. i, ii and iii only Ans B. ii, iii, and iv only X C. iii and iv only X D. i and ii only Question ID: 630680781000 Status: Answered Chosen Option: B Q.5 Which of the following statements is true regarding the severity of an electric shock? X A. Severity of the shock depends on the magnitude of the current only. 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 ✓ D. Severity of shock depends both on the magnitude of current and the duration of contact. Question ID: 630680781006 Status: Answered Chosen Option: D

दिए गए चित्र में प्रदर्शित सुरक्षा चिन्ह _____ का एक उदाहरण है। \chi A. निषेध चिन्ह 🗶 B. चेतावनी चिन्ह 🗶 C. सूचना चिन्ह Question ID: 630680781002 Status: Answered Chosen Option: D Select the most appropriate option that can substitute the highlighted segment in the given Q.7 He may not be a good worker, but he has a talent of speaking. X A. his own counsel Ans X B. shown his teeth C. the gift of the gab X D. a man of his words Question ID: 630680756661 Status: Not Answered Chosen Option: --Q.8 As per IE regulations, the load on each power sub-circuit should be restricted to ___ X A. 2000 W Ans X B. 500 W ✓ C. 3000 W X D. 1000 W Question ID: 630680780987 Status: Answered Chosen Option: C Q.9 In the context of waste disposal methods, incineration refers to ____ ✓ A. a process of controlled combustion of garbage to reduce it to incombustible matter Ans X B. a natural process involving breaking down the waste material into organic compounds that can be used as manure X C. a process compaction of waste materials into blocks and sending for recycling X D. a process of landfilling in low lying areas

Question ID : 630680781008 Status : Answered

Chosen Option : **D**

Q.10 Identify the type of DC generator shown in the given figure.



Ans X A. Differential long shunt compound generator

X B. Differential short shunt compound generator

X C. Cumulative short shunt compound generator

✓ D. Cumulative long shunt compound generator

Question ID: 630680780943

Status: Not Answered

Chosen Option: --

Q.11 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. 20 W

X B. 5 W

X C. 10 W

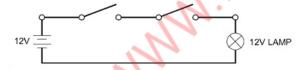
✓ D. 40 W

Question ID: 630680780975

Status : **Answered**

Chosen Option : D

Q.12 The circuit shown in the given figure is an electrical equivalent of the ______logic gate.



Ans

🗶 A. NAND

X B. NOT

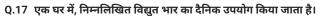
C. AND

X D. OR

Question ID : 630680781012 Status : Not Answered

Chosen Option: --

Ans	🗙 A. 15 अगस्त	
	🗶 B. 2 नवंबर	
	✓ C. 13 नवंबर	
	🗙 D. 26 जनवरी	
		Question ID : 63068091163
		Status : Answered
		Chosen Option : D
	In this question, three statements are given, followed by two conclus Assuming the statements to be true, even if they seem to be at variar known facts, decide which of the conclusions logically follow(s) from Statements: All purses are covers. All bags are covers. Some suitcases are bags. Conclusions:	nce with commonly
	I. Some purses are bags. II. Some suitcases are covers.	-0,
Ans	A. Both conclusions I and II follow.	
7	X B. Only conclusion I follows.	
	✓ C. Only conclusion II follows.	
	X D. Neither conclusion I nor II follows.	
		Status : Answered Chosen Option : A
Q.15 Ans	Which of the following is an example of ferromagnetic substances? A. Platinum	
Alls	X B. Bismuth	
	C. Nickel D. Graphite	
		Question ID : 630680780980
		Status : Not Answered
	N	Chosen Option :
	किसी धनराशि का मिश्रधन चक्रवृद्धि ब्याज की समान दर पर 4 वर्ष बाद ₹15,000 जाता है। वह धनराशि ज्ञात कीजिए।	और 8 वर्ष बाद ₹22,500 हो
Ans	X A. ₹7,500	
	X B. ₹12,000	
	✓ C. ₹10,000	
	X D. ₹12,500	
		Question ID : 630680524024 Status : Not Answered Chosen Option :



- (i) प्रतिदिन 6 घंटे के लिए 40 W की 3 लाइटों का उपयोग किया जाता है।
- (ii) प्रतिदिन 12 घंटे के लिए 80 W के 2 पंखों का उपयोग किया जाता है।
- (iii) प्रतिदिन 1 घंटे के लिए 1000 W के इमर्शन हीटर का उपयोग किया जाता है।
- यदि बिजली की लागत ₹3/यूनिट है तो अगस्त महीने के बिजली बिल की राशि की गणना करें।

Ans X A. ₹3,385.2

⊘ B. ₹338.52

X C. ₹364

X D. ₹3,640

Question ID: 630680780984

Status: Answered

Chosen Option: C

Q.18 निम्नलिखित में से किस वर्ष में अकबर ने अंततः मालवा को मुगल साम्राज्य में मिलाने में सफलता प्राप्त की?

Ans

✓ A. 1562

X B. 1574

X C. 1581

X D. 1570

Question ID: 630680326301

Status: Not Answered

Chosen Option: --

Q.19 The bypass diodes used in series-parallel connection of PV modules are connected _____

Ans

A. in parallel with each PV module

X B. in series with each PV module

X C. in parallel with each blocking module

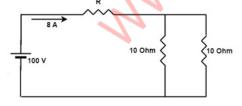
X D. in series with each blocking module

Question ID: 630680780955

Status: Not Answered

Chosen Option: --

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



Ans

X A. 2.5 ohms

✓ B. 7.5 ohms

X C. 10 ohms

X D. 5 ohms

Question ID: 630680780972

Status: Answered

Chosen Option: B

	on : Section D	
Q.1	Which of the following losses is categorised as mechanical losses in	DC machines?
Ans	X A. Eddy current loss	
	X B. Copper loss	
	C. Friction and windage loss	
	X D. Hysteresis loss	
		Out at last ID + C00C007000 40
		Question ID : 630680780940 Status : Answered
		Chosen Option : C
Q.2	दिसंबर 2022 में, निम्नलिखित में से किसने 25 m फिना (FINA) विश्व तैराकी चैंपिर ब्रेस्टस्ट्रोक में राष्ट्रीय रिकॉर्ड बनाया है?	ानशिप के 100 m
Ans	✔ A. चाहत अरोड़ा	
	🗶 B. शिव श्रीधर	
	🗶 C. रूपाली रिपले	
	🗶 D. कंचनमाला पांडे	
		Question ID : 630680170435 Status : Not Answered
		Chosen Option :
Q.3	Select the most appropriate option to fill in the blank. One hour has elapsed she went outside.	
Ans	X A. before	7,
	✓ B. since	
	★ C. after	
	★ C. after★ D. early	
		Question ID : 630680175874 Status : Answered
	X D. early	Status : Answered Chosen Option : A
Q.4		Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
Q.4 Ans	✗ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
	Value D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो ज्ञा	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
	 ▼ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो ज् ✓ A. 24 V 	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
	▼ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो उ ▼ A. 24 V ▼ B. 6 V	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
	▼ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो ज ▼ A. 24 V ▼ B. 6 V ▼ C. 8 V	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित नाता है।
	▼ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो ज ▼ A. 24 V ▼ B. 6 V ▼ C. 8 V	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित
	▼ D. early एक वोल्टेज परिचालित ELCB को उस समय ट्रिप होने के लिए डिज़ाइन किया गया धातु कार्य और अर्थ के सामान्य द्रव्यमान के बीच विभवांतर से अधिक हो ज ▼ A. 24 V ▼ B. 6 V ▼ C. 8 V	Status : Answered Chosen Option : A है जब संस्थापना के संरक्षित नाता है। Question ID : 630680780989

Q.J	The cable connected between the distributer to the consumers meter i	s called
Ans	X A. ring main	
	X B. feeder	
	C. connector	
	✓ D. service mains	
		Question ID : 630680780952
		Status : Answered Chosen Option : B
		Chosen Option . B
Q.6	Which of the following is considered as an earth fault?	
Ans	A. Live portion of an electrical system getting accidentally connect different electrical system	ed to live portion of a
	✗ B. Insulated portion of an electrical system getting accidentally co portion of a different electrical system	nnected to insulated
	C. Live portion of an electrical system getting accidentally connec	ted to earth
	✗ D. Live portion of an electrical system getting accidentally connect medium	ed to insulation
		Question ID : 630680780970
		Status : Answered
		Chosen Option : C
Q.7	पवन टरबाइन प्रणाली में, रोटर को हवा की ओर लाने के लिए ऊर्ध्वाधर अक्ष के अनुदिः समायोजित करने को कहा जाता है।	रा नैकेल (nacelle) को
Ans		
	🗙 B. टीटर कंट्रोल (teeter control)	
	🗙 C. हब कंट्रोल (hub control)	
	✔ D. यॉ कंट्रोल (yaw control)	
		Question ID : 630680780960
		Status : Answered
		Chosen Option : A
0.0	Charmy have wild they are found in this time of founds in India?	
Q.8 Ans		
	X B. The thorn forests and scrubs	
	★ C. Tropical deciduous forests	
	★ C. Tropical deciduous forests	Question ID : 630680511334
	★ C. Tropical deciduous forests	Question ID : 630680511334 Status : Not Answered

Earthing of non-current carrying metal work and conductor, which is essential for safety is known as ____ earthing. X A. low voltage Ans X B. high voltage X C. system D. equipment Question ID: 630680780963 Status: Answered Chosen Option: C Q.10 दो पाइप, P1 और P2, एक टैंक को क्रमशः 30 मिनट और 42 मिनट में भर सकते हैं। तीसरा पाइप P3, टैंक को 24 मिनट में खाली कर सकता है। सबसे पहले पाइप P1 और P2 खोले जाते हैं। 6 मिनट के बाद, पाइप P3 को भी खोल दिया जाता है। टैंक को पूरी तरह से भरने में कितना समय लगेगा? Ans \times A.32 $\frac{4}{7}$ मिनट \times B. 38 $\frac{4}{7}$ H = Z

✓ C. 48 $\frac{6}{13}$ H = Z

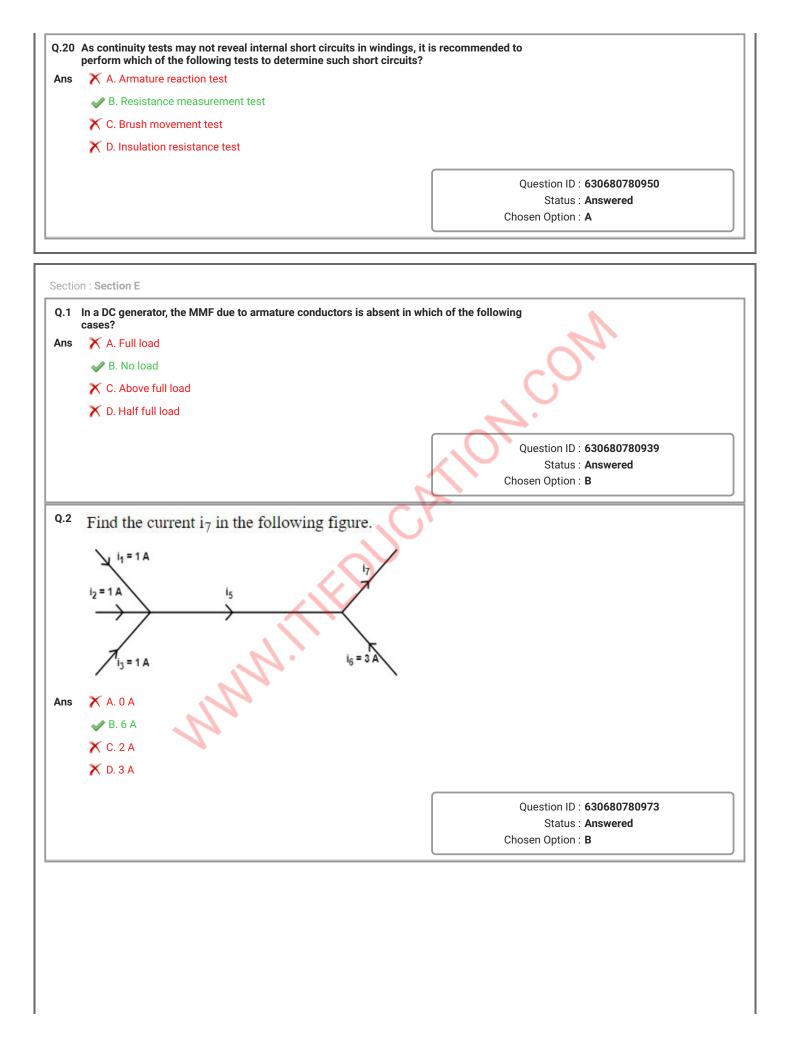
× D. 32 $\frac{2}{13}$ H = Z Question ID: 630680629073 Status: Answered Chosen Option: C Q.11 यदि संख्या 3965742 में प्रत्येक सम अंक में 2 जोड़ा जाए और प्रत्येक विषम अंक में से 1 घटाया जाए, तो इस प्रकार निर्मित नई संख्या में कितने अंक एक से अधिक बार आएंगे? Ans 🗙 A. एक भी नहीं 🗙 B. दो **X** C. एक 🥒 D. तीन Question ID: 630680542535 Status: Answered Chosen Option: B relays are capable of maintaining their contacts in the last assumed position without the maintained current in the coil. X A. Sensing B. Latching X C. Magnetic X D. Impulse

> Question ID: 630680780992 Status: Answered

Chosen Option: A

Q.13 The decimal equivalent of the binary number $[1011]_2$ is	
Ans X A. [100] ₁₀	
★ B. [10] ₁₀	
★ C. [111] ₁₀	
✓ D. [11] ₁₀	
	Question ID : 630680780966
	Status : Not Answered Chosen Option :
	Silectif option:
Q.14 Which series MCBs are designed to protect circuits with resistive load	s?
Ans X A. R series	
X B. DC series	
✓ C. L series	
X D. AC series	
	Question ID : 630680780988
	Status : Answered
	Chosen Option : D
Q.15 A three-phase balanced delta connection has a line voltage of 440 V. D. voltage.	Determine the phase
Ans X A. 220 V	X
✔ B. 440 V	
★ C. 762.08 V	Y ~
★ D. 254.04 V	
	Question ID : 630680780978 Status : Answered
	Chosen Option : B
Q.16 बिजली के झटके के मामले में, पीड़ित को विद्युन्मय चालक के संपर्क से हटाने के लिए सी वस्तु उपयुक्त है?	निम्नलिखित में से कौन-
Ans 🗸 A. सूखी लकड़ी की पट्टी	
🗙 B. गीली लकड़ी की पट्टी	
🗶 C. धातु की छड़ 🗶 D. नंगे मानव हाथ	
	Question ID : 630680781003
	Status : Answered
	Status : Answered
	Status : Answered

Q.17 What is the possible reason for DC motor failing to start upon connecting to supply? X A. Brushes ahead of neutral plane X B. Short circuit between filed coil turns X C. Loose foundation bolts D. Open circuit in starter Question ID: 630680780947 Status: Answered Chosen Option: B Q.18 Match the following. List I List II a) Resistance i) Henry b) Inductance ii) Volts iii) Farad c) Voltage d) Capacitance iv) Ohms Ans X A. a-iv, b-ii, c-i, d-iii ✓ B. a-iv, b-i, c-ii, 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: B Q.19 B.I.S. 9320 – 1979 के अनुसार, DC मशीनों में, जब उच्च वोल्टता परीक्षण प्रयुक्त किया जाता है, तो इन्सुलेशन प्रतिरोध _____ से कम नहीं होना चाहिए। Ans 🗶 B. 100 मेगा ओम 🗶 C. 1 मिली ओम 🗙 D. 1 माइक्रो ओम Question ID: 630680780949 Status: Answered Chosen Option: B



Q.3	A fuse selected for over-current protection should NOT have a fusing factor of more than		
Ans	★ A. 3.4		
	→ B. 1.4		
	X C. 5.9		
	★ D. 8.3		
		Question ID: 630680780991	
		Status : Answered	
		Chosen Option : B	
Q.4	In a certain code language, 'OWNS' is coded as '2964' and 'SONG' is code	led as '6479'. What	
A	is the code for 'G' in the given code language?		
Ans	X A. 6		
	★ B. 9		
	⋄ C. 7		
	★ D. 4		
		Question ID : 630680568451	
		Status : Answered	
		Chosen Option : C	
0.5	Select the most appropriate ANTONYM of the word 'Gorgeous' from the	given contence	
Q.J			
Ans	She is magnificent and brilliant, but her behaviour is dull but honest tow A. honest	arus me.	
	✓ B. dull		
	X C. brillant		
	X D. magnificent		
	A B. Maghinocht		
		Question ID : 630680597335	
		Status : Answered	
		Chosen Option : B	
0.6	Determine the rating of a fuse having 4 strands each of 35 SWG - coppe	r wire of 5 A.	
	(Assume the paralleling factor as 0.8.)		
Ans	X A. 35 A		
	→ B. 16 A		
	★ C. 2.5 A		
	★ D. 25 A		
		Question ID : 630680781001	
		Status : Not Answered	
		Chosen Option :	
		·	

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. X A. Primary turns = 25 and secondary turns = 11 Ans X B. Primary turns = 110 and secondary turns = 25 C. Primary turns = 1100 and secondary turns = 250 X D. Primary turns = 11 and secondary turns = 25 Question ID: 630680781021 Status: Answered Chosen Option: D Q.8 गंदे जल की आपूर्ति की निरंतर समस्या के कारण, किसी सोसायटी की जनसंख्या 2500 से घटकर 2275 हो जाती है। सोसायटी की जनसंख्या में कितने प्रतिशत की कमी होती है? ✓ A. 9% Ans X B. 11% X C. 10% X D. 8% Question ID: 630680756624 Status: Answered Chosen Option: A Q.9 Which of the following is NOT true in case of DC motors? X A. DC compound motor has both shunt and series fields for producing the required main flux in the poles. X B. Never open the shunt field of a compound motor when the motor is operating at high load. C. The direction of force produced on a current-carrying conductor placed in a magnetic field can be determined by Fleming's right-hand rule. 🗶 D. It is advisable to short-circuit the series field of the differential compound motor at the time of starting. Question ID: 630680780945 Status: Answered Chosen Option: A Q.10 द्विधात्विक रिले जहां तापमान में परिवर्तन की प्रतिक्रिया में द्विधात्विक एलिमेंट अपना आकार बदलता है, ___ रिले की श्रेणी में आते हैं। 🗙 A. फेरीड Ans 🗙 B. विद्युत चुंबकीय 🗶 C. लैचिंग 🖋 D. थर्मल Question ID: 630680780994 Status: Answered Chosen Option: D

Q.11 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

X D. Treating the earth pit with silica gel

Question ID: 630680780964 Status: Answered

Chosen Option : **D**

Q.12 Which of the following statements is NOT correct in case of a series circuit?

Ans X A. Total power is equal to the dissipated by the individual resistances

X B. The sum of voltage drops across the individual resistances equals the applied voltage

C. The total resistance is always less than the sum of individual resistances that make up the circuit.

X D. Current is the same in all parts of the circuit.

Question ID: 630680780982

Status : Answered

Chosen Option: C

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

Ans A. India ranks 125, and the report indicates significant progress against hunger since 2015

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

X C. India ranks 111, and the report highlights substantial progress against hunger since 2015.

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

Question ID: 630680579879

Status: Not Answered

Chosen Option: --

Q.14 निम्नलिखित में से किसने 1930 में नमक कानून तोड़ने के लिए तमिलनाडु में नमक मार्च का आयोजन किया था?

Ans X A. के. केलप्पन

\chi C. गोपालबंधु चौधरी

🟋 D. अंबिका कांत सिन्हा

Question ID: 630680163726

Status: Not Answered

Chosen Option: --

Q.15 Ans	Q.15 What is the rms value of the voltage of the sinusoidal wave wave if the peak value is 100 V? Ans X A. 282.4 V				
Alls	X B. 141.4 V				
	✓ C. 70.7 V				
	➤ D. 35.4 V				
	•••				
			Question ID : 630680780956		
			Status : Not Answered Chosen Option :		
		insformer the primary voltage.			
Ans	A. is in phase withB. is exactly in phase of	opposition with			
	X C. leads	opposition with			
	✓ D. lags				
			Question ID : 630680781018		
			Status : Answered		
			Chosen Option : A		
Q.17	Match the following	ıg.			
	Test control of the c	Marco 100 Autority approx			
	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	🗙 A. a-iii, b-ii, c-iv, d-i	M_{i}			
	X B. a-iv, b-ii, c-i, d-iii	11/2			
	C. a-iii, b-ii, c-i, d-iv D. a-iv, b-i, c-ii, d-iii	\mathcal{L}			
	D. a-iv, b-i, c-ii, d-iii				
	1		Question ID : 630680780958		
			Status : Answered		
			Chosen Option : C		
Q.18 In a current operated ELCB, the toroid ring is made of material.					
Ans	X A. high conductivity el	ectrical			
	B. high permeability m				
	C. high resistivity elect				
	X D. high reluctance mag	gnetic			
			Question ID : 630680780986		
			Status : Answered		
			Chosen Option : A		

