

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	4:30 PM - 6:30 PM
Subject	Junior Engineer S and T

	Padma Bhushan awardee Shanta Dhananjayan is a famous exponen	t of
Ans	X A. Kathak	
	X B. Odissi	
	★ C. Sattriya	
	✓ D. Bharatanatyam	
		Question ID : 630680552874 Status : Not Answered Chosen Option :
Q.2	Paradox of thrift states that, if all the people of the economy income they save, the total value of savings in the economy will not	
Ans	X A. increase; change	
	★ C. increase; decrease	
	✗ D. decrease; change	
		Question ID : 63068054970 Status : Answered
		Chosen Option : C
Q.3	The magnetic reluctance of a magnetic circuit is:	
Ans	X A. proportional to the length of the circuit and proportional to the are path	a of the magnetic
	→ B. proportional to the length of the circuit but inversely proportional to magnetic path → B. proportional to the length of the circuit but inversely proportional to the circui	o the area of the
	C. None of the given	
	X D. proportional to the length of the circuit and also proportional to the permeability of the material	e relative
		Question ID : 630680780488
		Status : Answered
		Chosen Option : B

Q.4 A three-phase, 415 V, 20 KW motor draws line current of 27 A. What will be the phase current if the winding is delta connected?

Ans

 \checkmark A. $9\sqrt{3}A$

× B. 27√3 A

X c. 81 A

X D. 27 A

Question ID : 630680780491 Status : Answered Chosen Option : A

Q.5 Select the most appropriate option to fill in the blank.

She is the cleverest physicist the world _____ ever known.

Ans X A. had

X B. have

X C. has had

D. has

Question ID : 630680512914
Status : Answered
Chosen Option : D

Q.6 A system with transfer function:

$$T(s) = \frac{(S+1)}{S(S+4)}$$

The pole of the transfer function is:

Ans X A. S = infinity

⊘ B. S = 0 and S = (-)4

X C. S = (-)1

X D. S = 1

Question ID : 630680780572 Status : Answered

Chosen Option : B

Q.7 Which of the following groups of hills are part of the 'Purvachal'?

Ans X A. The Patkai, Naga, Manipur and Rajmahal hills

X B. The Garo, Khasi, Rajmahal and Mizo hills

X C. The Garo, Naga, Rajmahal and Mizo hills

D. The Patkai, Naga, Manipur and Mizo hills

Question ID : 630680511076

Status: Not Answered

Chosen Option : --

Ans	What is the code for 'E' in the given code language?	
	★ A. 8	
	✓ B. 5	
	X C. 7	
	X D. 9	
		Question ID : 630680568447
		Status : Answered
		Chosen Option : D
	to a second of P. N. Sandard and the decomposition of the second of the	University of the second second
Q.9	is a one kind of P-N junction that conducts current a one kind of diode that is used to generate light.	t in one direction and is
Ans	X A. Neon lamp; mercury vapour lamp	
	X B. CFL; neon lamp	
	✓ C. Diode; LED	
	✗ D. Neon lamp; CFL	
		Question ID : 630680780515 Status : Answered
		Chosen Option : C
Q.10	The armature current drawn by a 200 V DC series motor of and back EMF 180 V is:	of armature resistance 1 Ω
Ans	✓ A. 20 A	
	X B. 40 A	
	X C. (−)40 A	
	X D. (–)20 A	
		Question ID : 630680780499
		Status : Answered
Q.11	If a NOT gate is connected at the output of an OR gate, w	Status : Answered Chosen Option : D
	gate?	Status : Answered Chosen Option : D
Q.11 Ans	gate? A. OR Gate	Status : Answered Chosen Option : D
	gate? X A. OR Gate X B. EX-OR Gate	Status : Answered Chosen Option : D
	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate	Status : Answered Chosen Option : D
	gate? X A. OR Gate X B. EX-OR Gate	Status : Answered Chosen Option : D
	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate	Status : Answered Chosen Option : D
	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered
	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate	Status : Answered Chosen Option : D Phich will be the resulting Question ID : 630680780555
Ans	gate? ★ A. OR Gate ★ B. EX-OR Gate ★ C. NAND Gate ◆ D. NOR Gate	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D
Ans	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D
Ans	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate D. NOR Gate A P-N junction diode and a Zener diode conduct A. P-N Junction diode: Reverse and	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D
Ans	gate? X A. OR Gate X B. EX-OR Gate X C. NAND Gate ✓ D. NOR Gate A P-N junction diode and a Zener diode conduct X A. P-N Junction diode: Reverse and Zener diode: reverse direction X B. P-N Junction diode: in forward direction	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D
Ans	y A. OR Gate X B. EX-OR Gate X C. NAND Gate ✓ D. NOR Gate ✓ D. NOR Gate X A. P-N junction diode and a Zener diode conduct X A. P-N Junction diode: Reverse and Zener diode: reverse direction X B. P-N Junction diode: in forward direction Zener diode: in reverse direction X C. P-N Junction diode: Forward	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D
Ans	y A. OR Gate X B. EX-OR Gate X C. NAND Gate D. NOR Gate D. NOR Gate A P-N junction diode and a Zener diode conduct A. P-N Junction diode: Reverse and Zener diode: reverse direction X B. P-N Junction diode: in forward direction Zener diode: in reverse direction X C. P-N Junction diode: Forward Zener diode: Forward direction D. P-N Junction diode: Forward	Status : Answered Chosen Option : D which will be the resulting Question ID : 630680780555 Status : Answered Chosen Option : D

Q.13 The armature of a separately excited DC motor is fed from an AC supply through a full wave controlled converter. What is the armature voltage at 0° delay angle? Consider that the peak voltage of the AC source is 100 $\boldsymbol{\pi}$ volts.

Ans X A. 50 V

X B. 0 V

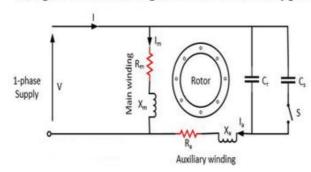
✓ C. 200 V

X D. 100 V

Question ID: 630680780535 Status: Answered

Chosen Option : D

The given circuit diagram shows which type of motor?



X A. Separately excited DC motor

X B. Shunt wound DC motor

X C. Split-phase induction motor

D. Capacitor-start capacitor-run induction motor

Question ID: 630680780497

Status: Answered

Chosen Option : D

Q.15 Which of the following statements is correct about mercury vapour lamps?

X A. The efficiency is 80-90 lumens per watt.

X B. There is no auxiliary electrode in them except for main electrodes.

X C. Whenever supply voltage is provided, it reaches full intensity within 1 minutes.

D. The inner tube is filled with argon and a certain amount of mercury.

Question ID: 630680780514

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.16 Methods such as constant voltage, constant current, a mixed constant current/constant voltage and pulse method are related to _

X A. discharging a capacitor

B. charging a capacitor

C. charging a battery

D. discharging a battery

Question ID: 630680780533

Status: Not Answered

Chosen Option: --

5/23/24, 4:37 PM $cdn. digialm. com/per/g01/pub/1139/touchstone/AssessmentQPHTMLMode1/LMRCL241/LMRCL241S6D735/1715842502390\dots \\ 2012 and 2012 and$ Q.17 Each group of letters in the following triads is related to the subsequent one following a certain logic. Select the option in which the triad follows the same logic. PATH - HTPA - PTAH SHOP - POSH - SOHP X A. NEWS - SWNE - EWNS Ans X B. YAKS - AKYS - AKSY C. LORD - DRLO - LROD X D. RATE - RTAE - ETAR Question ID: 630680574581 Status: Answered Chosen Option: C Q.18 A 10 KVA 2000/400 V transformer has the primary and secondary resistances as 5.5 Ω and 0.2 Ω , respectively. The reactances of the primary and secondary sides are 12 Ω and 0.45 Ω , respectively. The equivalent resistance of transformer referred to secondary is: Χ Α. 0.22 Ω Ans X B. 0.93 Ω × C. 0.48 Ω D. 0.42 Ω Question ID: 630680780506 Status: Answered Chosen Option: D Q.19 When a number is divided by 38, the remainder is 21. The remainder when the same number is divided by 19 will be: Ans X A. 0 X B. 1 √ C. 2 X D. 3 Question ID: 63068068442 Not Attempted and Status: Marked For Review Chosen Option: --Q.20 Select the most appropriate idiom that can substitute the underlined segment in the given sentence. He is not worldly wise and that is the reason he wasted his money in foolish and unpractical tasks. X A. standing in good stead Ans B. quixotic projects C. pyrrhic victory X D. picking holes Question ID: 630680597455 Status: Answered Chosen Option : B

Q.21 The laplace domain expression of voltage across inductor and capacitor are:

$$\checkmark \land \frac{1}{sC}I(s)$$
 and $sLI(s)$

$$\times$$
 B. $\frac{1}{sC}I(s)$ and $\frac{1}{s}LI(s)$

$$\times$$
 c. $\frac{1}{sC}I(s)$ and $\frac{1}{sL}I(s)$

 \times D. sCI(s) and sLI(s)

Question ID: 630680780573 Status: Answered

Chosen Option : A

Q.22 The cathode and anode in a dry cell are commonly made of _____ and __ respectively.

X A. zinc ; carbon

X B. zinc ; magnesium

C. carbon; zinc

X D. glass ; rubber

Question ID: 630680780532

Status: Not Answered

Chosen Option: --

Q.23 The primary current of 33/11 kV transformer is 50 amp. What will the secondary current

Ans X A. 50 amp

X B. 4.5 amp

C. 150 amp

X D. 100 amp

Question ID: 630680780503

Status: Answered

Chosen Option : C

Q.24 A girl goes on a cycling trip. In the first part she travels for 2 hours at a speed of 35 km/hr. Next, she travels at a speed of 30 km/hr for 80 minutes, and then she cycles at a speed of 40 km/hr for 57 minutes. How much distance (in km) she cycled in the entire journry?

Ans X A. 125

X B. 152

✓ C. 148

X D. 136

Question ID: 630680633837

Not Attempted and Status: Marked For Review

Chosen Option: --

	What is the name of India's first full stack Artificial Intelligence Bhavish Aggarwal introduced in 2023?	.,
Ans	X A. Shakti	
	✓ B. Krutrim	
	★ C. Sifra	
	X D. Agni	
		0 11 12 00000
		Question ID : 630680777148 Status : Not Answered
		Chosen Option :
Q.26	Three equal capacitances are connected in parallel. Each cap equivalent capacitance will be:	acitance value is C. The
Ans	★ A. 3/2C	
	★ B. C/3	
	★ C. 3/C	
	✓ D. 3 C	
		Question ID : 630680780486
		Status : Answered Chosen Option : D
	✓ B. to reduce the voltage of the line✓ C. to reduce the skin effect✓ D. to reduce frequency	
		Question ID : 630680780508
		Status : Answered
		Chosen Option: B
	There are four layers of the TCP/IP models, which are:	
	✗ A. internet, network access, transport and rejection✓ B. internet, network access, transport and application	
Q.28 Ans	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	
	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	Question ID : 630680780562
	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	Status : Answered
	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	
	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	Status : Answered
Ans	 ✓ B. internet, network access, transport and application ✓ C. internet, network access, communication and application 	Status : Answered

Section: Section B

Q.1 Select the most appropriate ANTONYM of the underlined word.

She had already visited the knife swallower's show and was severely disappointed.

Ans X A. angry

B. satisfied

C. unhappy

D. injured

Question ID: 63068069060

Status: Answered

Chosen Option: B

Question ID : 630680320718
Status : Not Answered
hosen Option :
Question ID: 630680780566 Status: Answered
hosen Option : A
Question ID : 630680780513
Status : Answered
hosen Option : C
ıx
Question ID : 630680780490 Status : Answered
hosen Option : C
Question ID : 630680780510
Status : Answered hosen Option : B

Q.7 Which Union Ministry launched the 'NEERMAN' Awards in July 2021? Ans A. Ministry of Power X B. Ministry of Animal Husbandry, Dairying And Fisheries X C. Ministry of Panchayati Raj X D. Ministry of Ayush Question ID: 630680158431 Status: Not Answered Chosen Option: --Q.8 In an ACSR, SR is used to: Ans X A. to enhance the corona effect B. to increase the mechanical strength X C. to increase the conductivity X D. to decrease the tensile strength Question ID: 630680780517 Status: Answered Chosen Option: B Q.9 The parallel port of any computer is generally called: Ans X A. modem port X B. speaker port C. printer port X D. VGA port Question ID: 630680780559 Status: Answered Chosen Option : D Q.10 The present population of a town is 5,50,000. If it increases at the rate of 10% per annum, then what will be its population after 3 years? Ans X A. 7,23,500 X B. 7,23,050 X C. 7,32,500 ✓ D. 7,32,050 Question ID: 630680524249 Status: Answered Chosen Option : D Q.11 Transform the time domain current i(t) = 5 sin (377t + 150°) into phasor in Indian nominal frequency. **Ans** X A. I = 5 ang (90°) X B. I = 5 ang (60°) X C. I = 5 ang (377°) ✓ D. I = 5 ang (150°) Question ID: 630680780483 Status: Answered Chosen Option : D

Q.12	In a certain code language, 'LAND' is coded as '4618' a What is the code for 'O' in the given code language?	nd 'LOAD' is coded as '6438'.
Ans	✓ A. 3	
	★ B. 4	
	X C. 1	
	X D. 6	
		0 11 15
		Question ID : 630680568430 Status : Answered
		Chosen Option : A
0.40	A S LID DC comics maken is commented to a 200 V DC com	was Hawanak is the summer
Q.13	A 2 HP DC series motor is connected to a 200 V DC souneglecting series resistance?	irce. How much is the current
Ans	★ A. 7.43 A	
	✔ B. 7.46 A	
	X C. 3.71 A	
	X D. 0.743 A	
		Question ID : 630680780502
		Status : Answered
		Chosen Option : B
Q 14	If the valance band is full and the conduction band is e	mnty it means that the material
Q. 17	is:	mpty, it means that the material
Ans	X A. close to semiconductor	
	X B. close to conductor	
	★ C. Between conductor and semiconductor	
	D. close to insulator	
		Question ID : 630680780520
		Status : Answered
		Chosen Option : D
Q.15	Who had founded the Poona Sarvajanik Sabha in 1870'	?
Ans	✓ A. Mahadev Govind Ranade	
	X B. Mahatma Gandhi	
	✗ C. Gopal Krishna Gokhale	
	X D. Pheroz Shah Mehta	
		Question ID : 630680362748 Status : Not Answered
		Chosen Option :
Q.16 Ans	Which of the following statements is correct about DIA A. Both operate on gate signal	C and TRIAC?
Alla	X B. All are right	
		uding a gate terminal
		uunig a gate terriinai.
	C. Both are three-terminal semiconductor devices incl	but TPIAC acts as a controlled bi
	 C. Both are three-terminal semiconductor devices incl D. DIAC acts as an uncontrolled bidirectional device, directional device. 	but TRIAC acts as a controlled bi-
	✓ D. DIAC acts as an uncontrolled bidirectional device,	
	✓ D. DIAC acts as an uncontrolled bidirectional device,	Question ID : 630680780570 Status : Answered

Q.17	For turning the SCR off, the	interruption current is less than the
Ans	X A. collector ; gate trigger currer	
	X B. emitter; peak repetitive off-s	e forward voltage
	X C. anode ; gate trigger current	
	D. anode ; holding current	
		Question ID : 630680780524
		Status : Answered Chosen Option : D
		Onoscii Option . B
Q.18	A, B and C can do a work in 20 da	, 30 days and 60 days, respectively. In how many
		s assisted by B and C both on every third day?
Ans	X A. 14	
	X B. 12	
	X C. 13	
	✓ D. 15	
		Question ID: 630680239319
		Status : Not Answered
		Chosen Option :
Q.19		al "X" has resistivity of 10 ⁻⁸ Ω/cm and material "Y"
Ans	has resistivity of $10^8 \Omega$ /cm. Then: X A. X is an insulator and Y is a s	niconductor
AllS		
	B. X is a semiconductor and Y	
	C. X is a conductor and Y is an	
	X D. X is an insulator and Y is a	ductor
		Question ID : 630680780516
		Status : Answered
		Chosen Option : C
Q.20	their kVA ratings. The rating of the	rallel such that they share load in proportion to rst transformer is 250 kVA and its leakage of the second transformer is 50 kVA, then its
Ans	X A. 0.025 pu	
	X B. 0.1 pu	
	✓ C. 0.125 pu	
	X D. 0.005 pu	
		Question ID : 630680780498
		Status : Answered Chosen Option : D
		Onesen option . B
Q.21	Which of the following atoms is p	sent in a PVC insulator?
Ans	X A. Oxigen	
	X B. Silicon	
	C. Hydrogen	
	C. HydrogenD. Nitrogen	
	•	
	•	Question ID : 630680780522
	•	Question ID : 630680780522 Status : Not Answered Chosen Option :

	Select the most appropriate verb to fill in the blank.	
	One of the members of the jury alwaysjudgement.	dissent in the final
Ans	X A. express	
	X B. expressional	
	✓ C. expresses	
	X D. expressive	
		Question ID : 630680147440 Status : Answered
		Chosen Option : C
Q.23	In intrinsic semiconductor, the current conduction	under sunlight is:
Ans	X A. No one is true	
	✓ B. very less	
	C. zero	
	X D. very high	
		Question ID : 630680780565
		Status : Not Answered
		Chosen Option :
	Which dance form among the following is highly rit and-dance introduction, sprinkling of holy water, an invocations of goddesses? A. Odissi	
Λne		
Ans		
Ans	X B. Kathakali	
Ans	➤ B. Kathakali C. Kuchipudi	
Ans	X B. Kathakali	
Ans	➤ B. Kathakali C. Kuchipudi	Question ID : 630680756648
Ans	➤ B. Kathakali C. Kuchipudi	Status : Not Answered
Ans	➤ B. Kathakali C. Kuchipudi	
Q.25	 ➤ B. Kathakali ✓ C. Kuchipudi ➤ D. Kathak Current density is the highest for:	Status : Not Answered
Q.25	 ➤ B. Kathakali ✓ C. Kuchipudi ➤ D. Kathak Current density is the highest for: ✓ A. copper 	Status : Not Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc 	Status : Not Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass 	Status : Not Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc 	Status : Not Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass 	Status : Not Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered
Q.25	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass 	Status: Not Answered Chosen Option: Question ID: 630680780519
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ?	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 X B. 163 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 X B. 163 X C. 167 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 X B. 163 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Ans Q.26	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 X B. 163 X C. 167 	Status: Not Answered Chosen Option: Question ID: 630680780519 Status: Answered Chosen Option: A
Q.25 Ans	 X B. Kathakali ✓ C. Kuchipudi X D. Kathak Current density is the highest for: ✓ A. copper X B. zinc X C. brass X D. aluminium What should come in place of '?' in the given series 57 66 80 99 123 ? ✓ A. 152 X B. 163 X C. 167 	Question ID: 630680780519 Status: Answered Chosen Option: A

Q.27 When energy has to be supplied during each cycle of magnetism while magnetising the core of a transformer, it is known as:

Δns

- A. hysteresis loss
- X B. Eddy current loss
- X C. reactive power loss
- X D. a combination of Eddy current loss and hysteresis loss

Question ID : 630680780505 Status : Answered

Chosen Option: C

- Q.28 Identify whether the given statements are correct or incorrect.
 - (A) Moving iron instruments have non-uniform scale.
 - (B) Moving coil instruments have uniform scale.

Ans X A. Only A is correct

- B. Both A and B are correct
- X C. Only B is correct
- X D. Both A and B are incorrect

Question ID : 630680780545 Status : Answered

Chosen Option: B

Section: Section C

Q.1 According to the law of inverse squares of illumination, if D is the distance between the light source and the surface, then the illumination of surface is proportional to:

Ans

- X A. D²
- X B. D
- \times c. $\frac{1}{r}$
- \checkmark D. $\frac{1}{D^2}$

Question ID: 630680780509

Status : Answered

Chosen Option : D

Q.2 What is the full form of 'RS' in the context of RS-232 based communication?

Ans

A. Recommended Standard

X B. Recommended Serial Communication

X C. Recommended Serial

X D. Readjusted Solution

Question ID : 630680780558

Status : Answered

Chosen Option : C

Q.3	Polyester	plastic is a material of	

Ans X A. low dielectric, low temperature resistance and low tensile strength

X B. low dielectric, high temperature resistance and low tensile strength

C. high dielectric, high temperature resistance and high tensile strength

X D. low dielectric, high temperature resistance and high tensile strength

Question ID : 630680780523
Status : Answered
Chosen Option : C

Q.4 In electrical indicating instruments, Torque-A moves the pointer, Torque-B opposes the pointer's movement and Torque-C helps the pointer reach the final indicating position at the earliest. Then, A is ______, B is _____ and C is

Ans X A. controlling torque; damping torque; deflecting torque

X B. controlling torque; deflecting torque; damping torque

X C. deflecting torque; damping torque; controlling torque

✓ D. deflecting torque; controlling torque; damping torque

Question ID : 630680780546 Status : Answered

Chosen Option : D

Q.5 In a variable speed DC motor, what will be the relation between back EMF E_g and supply voltage V_a during motoring mode and regenerative breaking mode?

Ans

Motoring mode: $V_a < E_g$

X A.

Regenerative mode: $E_g = V_a$

Motoring mode: $V_a > E_a$

✓ B.

Regenerative mode: $E_g > V_a$

Motoring mode: $V_a > E_g$

X C.

Regenerative mode: $E_g = V_a$

Motoring mode: $V_a = E_a$

X D.

Regenerative mode: $E_g = V_a$

Question ID : 630680780536

Status: Not Answered

Chosen Option: --

Q.6 Which of the following is a factor that can lead to a decrease in the aggregate demand?

Ans X A. A decrease in the taxes

X B. An increase in government spending

X C. A decrease in the interest rates

D. A decrease in the money supply

Question ID : 630680321529

Status: Not Answered

Chosen Option : --

	Which of the following numbers is exactly divisible by 44?		
Ans	X A. 8,64,324		
	★ B. 5,32,868		
	★ C. 6,98,522		
	✓ D. 6,97,884		
		Question ID : 630680545920 Status : Answered	
		Chosen Option : D	
		5	
Q.8	Communication through USB follows:		
Ans	✓ A. serial communication and one bit at a time		
	X B. serial communication and multiple bits at a time		
	✗ C. parallel communication and multiple bits at a time		
	X D. parallel communication and one bit at a time		
		Question ID : 630680780560	
		Status : Not Answered	
		Chosen Option :	
Q.9	In a transistor circuit, α is called		
Ans	X A. injection factor		
	✓ B. amplification factor		
	C. reduction factor		
	X D. rejection factor		
	D. Tojection factor		
		Question ID : 630680780568	
		Status : Answered	
Q.10	In a row of 29 people facing north, Diya is 13 th from the right end. right of Diya, what is Tina's position from the left end?	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end?	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th	Status : Answered Chosen Option : B	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045	
Ans	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the A. First World War B. Second Anglo Afghan War	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the A. First World War B. Second Anglo Afghan War C. Second World War	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	_
Ans Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the A. First World War B. Second Anglo Afghan War	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Ans Q.11	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the A. First World War B. Second Anglo Afghan War C. Second World War	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered	
Ans	right of Diya, what is Tina's position from the left end? A. 23 rd B. 22 nd C. 25 th D. 24 th The Cripps Mission came to India during the A. First World War B. Second Anglo Afghan War C. Second World War	Status : Answered Chosen Option : B If Tina is 6 th to the Question ID : 630680519045 Status : Answered Chosen Option : B	

Q.12 The process of joining, combining and forming one piece of material from separate pieces of material by heating these materials to a temperature high enough to cause softening or melting is called: A. welding Ans X B. heating X C. condensing X D. cable joing Question ID: 630680780543 Status: Answered Chosen Option : A Q.13 In a certain code language, 'FLOW' is coded as '4792' and 'LOAF' is coded as '7269'. What is the code for 'A' in the given code language? X A. 9 Ans X B. 7 X C. 2 ✓ D. 6 Question ID: 630680568434 Status: Answered Chosen Option: D Q.14 The force on a current carrying conductor in a magnetic field: X A. decreases with current X B. increase with area of the conductor C. increases with flux density D. decreases with the length of the conductor Question ID: 630680780489 Status: Answered Chosen Option : C Q.15 In the given network, if the 10 Ω resistor is short circuited, then the equivalent resistance between A and B is equal to ✓ A. 10 Ω Ans X B. 20 Ω × C. 5 Ω X D. 15 Ω Question ID: 630680780479 Status: Answered Chosen Option : A

Q.16 The use of hairsprings and damping vane in the permanent magnet moving coil DC metre are

_, respectively.

Ans X A. to return the coil to its original position when there is no current through the coil and to reduce the amplitude of oscillations

X B. to give the RMS value and average value of the measured signal

C. to reduce the amplitude of oscillations and to return the coil to its original position when there is no current through the coil

X D. to give the average value and to reduce the amplitude of oscillations

Question ID: 630680780551 Status: Answered

Chosen Option: A

- Q.17 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
 - A. It was extracted from uraninite and this discovery was published five days later.
 - B. It was isolated in its metallic state through electrolysis in 1911.
 - C. Radium was discovered by Madame Marie Curie and Pierre Curie.
 - D. They found it in the form of radium chloride from an ore mined at Jachymov.

X A. ADCB

✓ B. CDAB

X C. BCDA

X D. BCAD

Question ID: 630680204469

Status: Answered

Chosen Option: B

Q.18 A variable resistor in series with the shunt resistor for shunt motor is used to control:

X A. only the speed of the motor

B. the speed, torque and armature current of the motor

C. only the armature current of the motor

D. only the torque of the motor

Question ID: 630680780576

Status: Not Answered

Chosen Option: --

Q.19 Which of the following schemes covers the risks faced by livestock farmers on account of fortuitous accidents, disease and disabilities and is being increasingly accepted by farmers across India in 2023?

Ans

A. Sampoorna Pashudhan Kavach

X B. Pradhan Mantri Jeevan Jyoti Bima Yojana

X C. Saral Krishi Bima

X D. Krishi Suraksha Bima Yojana

Question ID: 630680275422

Status: Answered

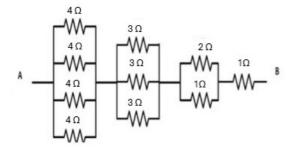
Chosen Option: A

Q.20 The two-wattmeter method of power measurement is suitable for: A. only balanced system X B. only unbalanced system X C. when source is balanced but load is unbalanced X D. both balanced and unbalanced system Question ID: 630680780550 Status: Answered Chosen Option: A Q.21 In a lithium-ion battery, oxidation takes place in: X A. both, anode and cathode X B. anode X C. electrolyte D. cathode Question ID: 630680780530 Status: Answered Chosen Option: C Q.22 How many electromagnets are arranged in an induction type energy meter? X A. Three B. Two X C. One X D. Four Question ID: 630680780549 Status: Answered Chosen Option : B Q.23 Select the most appropriate option to fill in the blank. John being extremely ____ could not perform any of his tasks to completion. Ans X A. flexible X B. sincere X C. annoying D. incompetent Question ID: 63068066095 Status: Answered Chosen Option: D Q.24 The transfer function of a system: X A. is the ratio of output to that of the input in time domain considering initial conditions initial condition X C. is the ratio of output to that of the input in time domain without considering initial X D. is the ratio of Laplace transform of output to that of the input considering initial Question ID: 630680780571 Status: Answered Chosen Option: B

Q.25	A workshop was conducted last year as well as this year participants increased by 25% and the fees for the worl. The amount that the organisers received this year is ₹4 year. If no other expenses were made, then the amount this year is:	kshop was increased by 20%. I0,000 more than that of the last
Ans	X A. ₹1,40,000	
	✓ B. ₹1,20,000	
	X C. ₹1,35,700	
	X D. ₹1,30,055	
		Question ID: 630680628870 Status: Answered Chosen Option: A
Q.26 Ans	A three-phase squirrel cage induction motor of rating 4 runs at a speed of 1440 rpm. The frequency of the rotor	
1113	✓ A. 2 Hz ➤ B. 200 Hz	
	X C. 2.5 Hz	
	X D. 20 Hz	
	► D. 20 HZ	
		Question ID : 630680780495
		Status : Answered
		Chosen Option : A
Q.27 Ans	The current in a circuit is 10 amp and power factor is 1. phasor representation of current are and A. resistive; 10 < 0° **B. inductive; 10 < 90°	. The nature of the circuit and _, respectively.
	★ C. inductive; 10 < −90°	
	 ✓ D. capacitive; 10 < 90° 	
	B. dapaolityo, 10 100	
		Question ID : 630680780485
		Status : Answered
		Chosen Option : A
Q.28 Ans	Which of the following is the most recent landform of landform A. Indian Peninsula	ndia?
	X B. Aravalli Range	
	C. Indo-Gangetic Plains	
	X D. Dharwar Craton	
		Question ID : 630680511366 Status : Answered

Section : Section D

Q.1 The equivalent resistance between terminals A and B in the shown circuit is:



Χ Β. 4 Ω

X C. 1.33 Ω

X D. 10 Ω

Question ID: 630680780478

Status: Answered

Chosen Option: A

Q.2 If R is not present in a series resonance circuit, the theoretical value of the current will

Ans X A. a very small positive value but not zero

X B. zero

X C. a negative value

D. infinity

Question ID: 630680780494

Status: Answered

Chosen Option : $\boldsymbol{\mathsf{D}}$

Q.3 Heaviside bridge gives the value of:

Ans A. mutual inductance

X B. capacitance

X C. resistance

X D. temperatue

Question ID: 630680780552

Status : Answered

Chosen Option : A

Q.4 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans X A. 9 – 81 – 91 – 182

Question ID: 630680467182

Status : Answered

Chosen Option : B

Q.5 Which of the following is NOT a quantitative tool to control the extent of money supply by the Central Bank?

Ans

- X A. Open Market Operation
- X B. Cash Reserve Ratio
- C. Margin Requirement
- X D. Bank Rate

Question ID: 630680580470 Status: Not Answered

Chosen Option: --

Q.6 The I^2R loss of a transformer at full load is 4 kW. The same loss at half load will be:

Ans X A. 4 KW

- **★** B. 8 kW
- ✓ C. 1 kW
- X D. 2 kW

Question ID : 630680780504 Status : Answered

Chosen Option : C

Q.7 The uncertainty of the S-R flip-flop arises when S_n and R_n are equal to:

Ans

$$\checkmark$$
 A. $S_n = R_n = 1$

$$\mathbf{X}$$
 B. $S_n = R_n = 0$

$$\times$$
 c. $S_n = 0, R_n = 1$

$$\times$$
 D. $S_n = 1$ and $R_n = 0$

Question ID: 630680780553

Status : **Answered**

Chosen Option : A

Q.8 Which of the following institutes, situated at Poojappurna, Trivandapuram, provides teaching in Indian classical dance?

Ans X A. Uday Shankar India Cultural Centre

X C. Visva-Bharati University

X D. Kathak Nrityakala Kendra

Question ID: 630680139011

Status: Not Answered

Chosen Option: --

Q.9 Mr. X donated 10% of his income to an old age home and deposited 20% of the remaining in the bank. If Mr. X is left with ₹14,400, then his total income is:

Ans

- X A. ₹15,000
- X B. ₹18,000
- X C. ₹15,500
- **✓** D. ₹20,000

Question ID : 630680756625

Status : Answered

Chosen Option : B

Q.10 Convert (736)₈, an octal number into a binary number. Ans X A. 111111111 X B. 111101110 X C. 011111101 ✓ D. 111011110 Question ID: 630680780554 Status: Answered Chosen Option: D Q.11 Which of the following statements about a BLDC motor is correct? X A. A single phase is wound on the rotor. X B. Rotor field is excited by a DC source C. Hall effect sensors are used to control the speed. X D. Brushless DC motor has a commutator. Question ID: 630680780575 Status: Answered Chosen Option: B Q.12 Identify whether the given statements about light are true or false. (A) Light with wavelengths below 400 nanometers is infrared. (B) Light with wavelengths above 700 nanometers is ultraviolet. A. Both A and B are false Ans B. A is true and B is false X C. B is true and A is false X D. Both A and B are true Question ID: 630680780511 Status: Answered Chosen Option : D Q.13 A 200 V lamp has 4000 lumens at current of 1 amp. What is the luminous efficiency? Ans X A. 50 X C. 15 X D. 4000 Question ID: 630680780512 Status: Answered Chosen Option: B Q.14 A lead-acid battery of 10 Ah rating can theoretically discharge: X A. 10 amperes for four hours X B. 10 amperes for three hours C. 5 amperes for two hours X D. 10 amperes for two hours Question ID: 630680780528 Status: Not Answered Chosen Option: --

Q.15 A car travels the first 10 km at 40 km/h, the next 20 km at 50 km/h, and the last 30 km at 60 km/h. Find the average speed (in km/h) for the entire journey.

$$\times$$
 A. 53 $\frac{6}{23}$

$$\times$$
 B. $52\frac{6}{23}$

$$\times$$
 B. $52\frac{6}{23}$
 \times C. $53\frac{4}{23}$

✓ D.
$$52\frac{4}{23}$$

Question ID: 630680499249

Status: Answered

Chosen Option : D

Q.16 If the two coils are connected in series and the current enters the coils in the same direction, the total induced EMF, both in coil A and B, due to the mutual inductance M will be:

Ans

$$\times$$
 A. $M\frac{di}{dt}$

$$\checkmark$$
 B. $2M\frac{di}{dt}$

$$\times$$
 c. $(-)M\frac{di}{dt}$

$$\times$$
 D. (-) $2M\frac{di}{dt}$

Question ID: 630680780487

Status: Answered

Chosen Option: B

Q.17 For providing a better environment for the generations to come, India is now committed to reduce emissions intensity of its GDP by _____ by 2030.

Ans

Question ID: 630680194411

Status: Not Answered

Chosen Option: --

Q.18 In star delta starting, an induction motor is connected through a the starting period. Then, once the motor reaches the required speed, the motor is connected through a

X A. star connection; star connection

X B. None of the given option

C. star connection; delta connection

D. delta connection; star connection

Question ID: 630680780496

Status: Answered

Chosen Option: C

Q.19 The power consumed by a three-phase load can be expressed by:

 \times A. $P = 3V_L I_L \cos \emptyset$

$$P = \sqrt{3} V_p I_p \cos \emptyset$$

('P' in subscript denotes phase quantitites)

$$P = \sqrt{3} V_L I_L \cos \emptyset$$

('L' in subscript denotes phase quantitites)

$$\times$$
 D. $P = \sqrt{3} V_p I_p \sin \emptyset$

Question ID: 630680780493

Status: Answered

Chosen Option: A

Q.20 In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the

Statements:

All papers are folders.

All books are scales.

Some books are papers.

Conclusions:

I. Some scales are folders.

II. Some folders are books.

Ans X A. Only conclusion I follows.

B. Neither conclusion I nor II follows.

C. Both conclusions I and II follow.

X D. Only conclusion II follows.

Question ID: 630680519109

Status: Answered

Chosen Option: B

"By controlling frequency and flux density, the amount of heat can be controlled." Which method of heating?

Ans X A. Resistance heating

X B. Radiant heating

C. Eddy current heating

X D. Arc heating

Question ID: 630680780541

Status: Answered

Chosen Option : C

Q.22 Select the most appropriate ANTONYM of the underlined word in the given sentence.

Local bank officials may be more successful in dealing with hundreds and thousands of these small borrowers than a single asset reconstruction company.

Ans X A. efficacious

B. inutile

X C. fruitful

X D. effective

Question ID: 630680102518

Status: Answered

Chosen Option: B

	The administrative office of the university holds meetings	-
Ans	X A. lowly	
	X B. meekly	
	C. frequently	
	X D. ferociously	
		Ougstion ID : 620690224044
		Question ID : 630680321914 Status : Answered
		Chosen Option : C
_		
	The SCR structure is basically a/an:	
Ans	A. NPPN structure like a four-transistor arrangement	
	X B. NPPN structure like a two-transistor arrangement	
	✓ C. PNPN structure like a two-transistor arrangement	
	X D. PNPN structure like a four-transistor arrangement	
		Question ID : 630680780525
		Status : Answered
		Chosen Option : C
0.05	Militaba of the following is a share shall be of heless and lead 0	
Q.25 Ans	Which of the following is a characteristic of balanced load? A. All the three phases may have the same power factor.	
Allo	B. All the three phases do not have the same impedance in magnit	udo and phase angle
	C. The power drawn by a load should be equal to any of the phase	8.
	A D. All All a discussion because the control of th	Andrew constr
	✓ D. All the three phases have the same impedance in magnitude ar	d phase angle.
	✓ D. All the three phases have the same impedance in magnitude ar	d phase angle. Question ID: 630680780492
	✓ D. All the three phases have the same impedance in magnitude ar	
	✓ D. All the three phases have the same impedance in magnitude ar	Question ID : 630680780492
Q.26		Question ID : 630680780492 Status : Answered Chosen Option : D
Q.26 Ans	 ✓ D. All the three phases have the same impedance in magnitude ar Who among the following was the head of the department of Justice ✓ A. Sadr-us Sudur 	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justic	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justic ★ A. Sadr-us Sudur ★ B. Vakil-i-Dar	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justice X A. Sadr-us Sudur X B. Vakil-i-Dar X C. Muhtasib	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justic ★ A. Sadr-us Sudur ★ B. Vakil-i-Dar	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justice X A. Sadr-us Sudur X B. Vakil-i-Dar X C. Muhtasib	Question ID : 630680780492 Status : Answered Chosen Option : D
	Who among the following was the head of the department of Justice ✓ A. Sadr-us Sudur ✓ B. Vakil-i-Dar ✓ C. Muhtasib	Question ID : 630680780492 Status : Answered Chosen Option : D e in Sultanate? Question ID : 630680362739 Status : Not Answered
	Who among the following was the head of the department of Justice ✓ A. Sadr-us Sudur ✓ B. Vakil-i-Dar ✓ C. Muhtasib	Question ID : 630680780492 Status : Answered Chosen Option : D e in Sultanate? Question ID : 630680362739
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be?	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be?	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be? A 2 A B. 52 A	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be? A. 2 A B. 52 A C. 50 A	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be? A 2 A B. 52 A	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be? A. 2 A B. 52 A C. 50 A	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:
Ans	Who among the following was the head of the department of Justice A. Sadr-us Sudur B. Vakil-i-Dar C. Muhtasib D. Qazi-ul-Quzzat A 110 V DC shunt generator delivers a load current of 50 amp. The armature and field circuit are 0.2 Ω and 55 Ω, respectively. What will be? A. 2 A B. 52 A C. 50 A	Question ID: 630680780492 Status: Answered Chosen Option: D e in Sultanate? Question ID: 630680362739 Status: Not Answered Chosen Option:

Q.28 Mention the welding process by which material at the joint is heated to a molten state and allowed to solidify.

Ans

X A. Plastic welding

X B. Radio frequency welding

X C. Cold welding

D. Fusion Wleding

Question ID : 630680780542 Status : Answered Chosen Option : D

Section: Section E

Q.1 What are the full forms of AAC and AAAC?

Ans X A. AAC – Alloy Auminium Conductor; AAAC – All Aluminium Alloy Conductor

X B. AAC – All Alloy Conductor; AAAC – All Aluminium Alloy Conductor

C. AAC – All Aluminium Conductor; AAAC – All Aluminium Alloy Conductor

X D. AAC – Aluminium-Aluminium Conductor; AAAC – All Aluminium Alloy Conductor

Question ID : 630680780518
Status : Answered
Chosen Option : C

Q.2 ____ can be accessed by a microprocessor with a 16-bit address bus.

Ans X A. 16 KB

X B. 32 KB

X C. 8 KB

✓ D. 64 KB

Question ID : 630680780557 Status : Answered

Chosen Option : D

Q.3 A DC motor drive should be capable of:

Ans X A. five quadrant operations

X B. six quadrant operations

X C. only first quadrant operations

D. four quadrant operations

Question ID : 630680780538 Status : Not Answered

Chosen Option : --

Q.4 In what circumstances is an economy said to be in recession?

Ans A. If real GDP falls for two consecutive quarters.

X B. If real GDP falls in one year compared with the year before.

X C. If real GDP falls for two consecutive years.

X D. If real GDP falls in one quarter compared with the quarter before.

Question ID : 630680324082 Status : Not Answered

Chosen Option: --

Q.5 For which motor is the torque characteristic $T \alpha I_a^2$?

Ans

- A. Series motor
- X B. Shunt motor
- C. Synchronous motor
- X D. Induction motor

Question ID: 630680780500 Status: Answered Chosen Option: A

Q.6 P is twice as good a workman as Q and takes 27 days less than Q to complete a piece of work. If they work on alternate days beginning with P, then how many days will it take to complete the work?

Ans

- ✓ A. 36
- $\times 8.36\frac{1}{4}$ $\times 0.36\frac{3}{4}$
- $\times 0.36\frac{1}{2}$

Question ID: 630680590844 Status: Not Answered

Chosen Option: --

Which motor is extensively used for electric traction in electric trams and what is the return path for electric trams?

Ans X A. Synchronous motor ; rail

B. DC series motor ; rails

X C. DC series motor ; neutral wire

X D. DC shunt motor; rails

Question ID: 630680780537 Status: Answered Chosen Option: B

Q.8 Select the option in which the given materials are correctly paired with their respective properties.

X A. Silver - Insulator; Silicon - SemiConductor; Glass - Insulator; Gold - Conductor

X C. Silver – Conductor; Silicon – Conductor; Glass – Insulator; Gold – Insulator

X D. Silver – Conductor; Silicon – SemiConductor; Glass – Conductor; Gold – Conductor

Question ID: 630680780521 Status: Answered

Chosen Option: B

Q.9 ISA in computer operation directly supports:

Ans A. CPU operatipon

X B. printer operation

X C. sound card operation

X D. gaming

Question ID: 630680780561 Status: Not Answered

Chosen Option: --

O 10	What does	the term	'maintenance-free	hattery'	hasically	mean?
Q. IU	vviiat uoes	me remi	IIIaiiileiiaiile-iiee	Dallely	Dasically	IIICaii:

ns X A. The quality of anode material tend and cathode tends to degrade slowly

B. The quality of electrolyte tends to slowly degrade

X C. The quality of cathode tends to degrade slowly

X D. The quality of anode material tends to slowly degrade

Question ID : 630680780529 Status : Not Answered

Chosen Option : --

Q.11 The closed loop transfer function is

$$T(S) = \frac{G(S)}{1 + G(s)H(S)}$$

The characteristic equation is:

Ans

$$\checkmark$$
 A. $1+G(s)H(S)$

$$\times$$
 B. $G(S)$

$$\times$$
 C. $H(S)$

$$\times$$
 D. $1 + G(s)H(S)$

Question ID: 630680780574

Status: Answered

Chosen Option : D

Q.12 _____ district of Tamil Nadu is also known as 'Granary of South India'

Ans X A. Thirunelveli

X B. Tiruppur

C. Thanjavur

X D. Tiruvannamalai

Question ID : 63068087426

Status: Not Answered

Chosen Option : --

Q.13 A DC generator is connected to a 220 V DC mains. The current delivered by the generator to the mains is 100 A. The armature resistance is 0.1 Ω . The armature copper loss is:

1033 13

Ans X A. 10000 W

X B. 10 W

X C. 100 W

✓ D. 1000 W

Question ID : 630680780507

Status : Answered

Chosen Option : D

Q.14 Select the most appropriate meaning of the given idiom.

To ride hell for leather

Ans A. To ride with at fast speed

X B. To ride with at slow speed

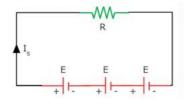
X C. To speak very fluently

X D. To speak rudely

Question ID: 630680134946 Status: Answered

Chosen Option : D

Q.15 Neglecting internal resistance of the cells, what is the total voltage applied across 'R'?



Ans

✓ A. 3E

X B. 4E

X C. 2E X D. E

Question ID: 630680780480

Status: Answered

Chosen Option: D

Q.16 Who founded the 'Samata Sainik Dal' in 1927?

X A. Mahatma Gandhi

X B. Jyotiba Phule

C. Dr. BR Ambedkar

💢 D. Jawaharlal Nehru

Question ID: 630680321389

Status: Not Answered

Chosen Option: --

Q.17 What is the input voltage (Vin) required to fire the SCR when a 400 Ω resistor is connected in series with the gate of an SCR and the gate current required to fire the SCR is 0.001 amp? Consider that the junction voltage between the gate and cathode is 0.7 V.

Ans X A. 3 V

X B. 11.1 V

X C. 2.1 V

✓ D. 1.1 V

Question ID: 630680780526

Status: Answered

Chosen Option: D

		Chosen Option: B				
		Status : Answered				
		Question ID : 630680543540				
	X D. 16%					
	✓ C. 14%					
	★ B. 12%					
	The marked price of a woolen jacket is ₹7,200. During the ₹6,192. Determine the discount percentage. X A. 18%	he off season, it is sold for				
		Chosen Option : D				
		Status : Answered				
		Question ID : 630680780564				
	✓ D. 0.48; 1.21					
	★ C. 1.21; 0.48					
1113	X B. 0.48; 1					
Ans	respectively. X A. 0.48; 81.2					
 2.20	The ripple factor of full wave and half wave rectifier are	and,				
		Chosen Option : C				
		Question ID : 630680780539 Status : Answered				
		0 " 10 2222222				
	X D. Reactance motor					
	✓ C. Wound type					
1113	X B. Squirrel cage					
Q.19 Ans	Rotor resistances are used for which type of induction X A. Capacitor start single-phase motor	motor?				
		Chosen Option : B				
		Status : Answered				
		Question ID : 630680780527				
	X D. Copper and iron					
	X C. Iron and brass					
Ans	Auminium A. Copper and aluminium					
	190 1999 199					
	• Iron					
	Nickel					
	Brass					
	 Copper 					

Q.22				
	A single-phase, 230 V, 50 Hz AC mains fed fully controlled bridge re 200 V DC, 1500 rpm, 10 A separately excited DC motor with ripple-ficurrent under all operating conditions. The armature resistance is 1 torque is 15 Nm. What will the motor speed be at a firing angle of 30	ee continuous Ω and motor		
Ans	X A. 1428.78 rpm			
	✓ B. 1318.5 rpm			
	★ C. 2955.54 rpm			
	X D. 904 rpm			
		Question ID : 630680780534		
		Status : Not Answered Chosen Option :		
Q.23	Select the most appropriate adjective to fill in the blank.			
	cities like London and Paris are hectic and crowded, which sometimes strangulates the public experiences.			
Ans				
	X B. Meditative			
	✓ C. Large			
	X D. Solitary			
		Question ID : 630680321910 Status : Answered		
		Chosen Option : D		
Q.24	This law states that the amount of chemical change produced by a electrode-electrolyte boundary is proportional to the quantity of electrolyte boundary is proportional to the proportional to			
	is being referenced here?			
Ans	is being referenced here? X A. Ostwald's law of electrolysis			
Ans				
Ans	X A. Ostwald's law of electrolysis			
Ans	A. Ostwald's law of electrolysisB. Ampere's law of electrolysis			
Ans	 A. Ostwald's law of electrolysis B. Ampere's law of electrolysis C. Kohlrausch's law of electrolysis 			
Ans	 A. Ostwald's law of electrolysis B. Ampere's law of electrolysis C. Kohlrausch's law of electrolysis 	Question ID : 630680780531		
Ans	 A. Ostwald's law of electrolysis B. Ampere's law of electrolysis C. Kohlrausch's law of electrolysis 	Question ID : 630680780531 Status : Answered Chosen Option : D		
	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis 	Status : Answered Chosen Option : D		
	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ?	Status : Answered Chosen Option : D		
	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ?	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 ★ C. 207 	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 ★ C. 207 	Status : Answered Chosen Option : D		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 ★ C. 207 	Status : Answered Chosen Option : D ries? Question ID : 630680542310		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 ★ C. 207 	Status : Answered Chosen Option : D ries? Question ID : 630680542310 Status : Answered		
Q.25	 ★ A. Ostwald's law of electrolysis ★ B. Ampere's law of electrolysis ★ C. Kohlrausch's law of electrolysis ★ D. Faraday's law of electrolysis What should come in place of the question mark (?) in the given se 262 237 221 212 208 ? ★ A. 206 ★ B. 200 ★ C. 207 	Status : Answered Chosen Option : D ries? Question ID : 630680542310 Status : Answered		

2.26	A voltmeter that can read 10 V maximum has a 2 Ω interns to read 100 V, then the resistance inserted in the series w					
Ans	🗙 Α. 20 Ω					
	X B. 9 Ω					
	Χ C. 10 Ω					
	✔ D. 18 Ω					
		Question ID : 630680780547				
		Status : Answered				
		Chosen Option : D				
	Since November 2020, to ensure women's safety, Delhi G at major locations, with panic buttons to send a for help.	overnment has deployed 20 a signal to the control centre				
Ans	✓ A. enforcement vans					
	X B. women autos					
	X C. martial vehicles					
	X D. enforcement buggies					
		Question ID : 630680115183				
		Status : Not Answered				
		Chosen Option :				
	Each vowel in the word CONSUMABLE is changed to the it in the English alphabetical order and each consonant is preceding it in the English alphabetical order. How many the group of letters thus formed? X A. One	s changed to the second letter				
1113	✓ B. Zero					
	X C. Two					
	X D. Three					
		Question ID : 630680533510				
		Question ID : 630680533510 Status : Answered				