

CPRI EXAMINATION

Test Centre Name:

Candidate User ID (as per Admit card): **Exam Date:** 19/12/2022 **Exam Timing:** 9:00 AM - 10:30 AM Exam Name: TECHNICIAN GRADE 1 Note: Questions answered are highlighted with selection Which is the wrong letter cluster in the following number series? ABC, DBF, GBI, KBL, MBO, PBR GBI KBL (Correct Answer) MBO O DBF Average marks of 5 students in a subject are 68. By how much will the average be increased, if marks of one student wrongly taken as 65 instead of 80? **4** 0 1 3 (Correct Answer) 2 In the given sentence, identify the segment which contains a grammatical error. India export 12.01 million tonnes of rice and four million tonnes of sugar in the last five years. India export (Correct Answer) Sugar in Million tonnes And four The difference between the squares of ages of Amar and Arif is 36 and the average of their ages after 2 years is 11. After how many years, will the ratio of their ages (Amar:Arif) be 8:7? 4 years 5 years 6 years (Correct Answer) 8 years Which of the following is an example of Aerosol? Milk **Paints** Smoke (Correct Answer) Cheese f 8 boxes A, B, C, D, E, F, G and H are stacked one above another. Four boxes are placed between C and G, which is placed 3rd from the bottom of the stack. Two boxes are placed between A and D, which is placed immediately above G. Only 1 box is placed between A and F, which is placed immediately below B. Which box is placed at the bottom of the stack if E is not placed at the bottom of the stack? H (Correct Answer) A Either A or H

Two trains with different lengths cross a platform of length 400 m in 25 sec individually. In how much time will they cross each other when they are running in the same direction, if their respective speeds are 144

km/hr and 165.6 km/hr (in seconds)?

	○ 200	
	O 160	
	O 185	
	225 (Correct Answer)	
8	In the question given, relations between different elements are shown in the statements. These statements are followed by two conclusions. Find out which of the given conclusions follow(s) the given statements. And select the correct alternative from the given choices.	
	Statements: $U > H = G \ge N$; $E < N > W \ge O$	
	Conclusions: I. G > E	
	II. H > N	
	 Only conclusion I is true (Correct Answer) Only conclusion II is true Either conclusion I or II is true Neither conclusion I nor II is true 	
9	Select the option that most closely resembles the mirror imag placed to its right side.	e of the given figure when the mirror is
	A CONTRACTOR OF THE CONTRACTOR	
	CAP47S233k96qbp	
	CAP47S233K96qbp 'I	
	CAP47S233k96qbp .II	
	III' CAP47S233k96qbp	
	CAP475233k96qdp .VI	
	II (Correct Answer) III IV	
10	In each of the questions below are given some statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.	
	Statements:	
4	No cap is a slap.	
	Some laps are slaps.	
	Conclusions:	
. .	I. No cap is a lap. II. All laps are caps.	
1		
	if only conclusion I follows	
	if only conclusion II follows	
	if either conclusion I or II follows	
	if neither conclusion I or II follows (Correct Answer)	
11	Fill in the blank with the correct word.	
	No bomb was found on the airport premises as the caller	
	informed on the phone. The call proved to be a	

	foxHoax (Correct Answer)persuasionknot
12	Which of the following is not a tributary of Ganga?
	GhaghraKosiManas (Correct Answer)Mahananda
13	A solid cone whose height is 24 cm and radius of the base is 14 cm is melted and recast into a regular pyramid of equilateral triangle. If the height of the pyramid is 77√3 cm, then what is side of the base of triangular base of the pyramid?
	 14 cm 15 cm 16 cm (Correct Answer) 12 cm
14	The Charminar monument is located in -
	Lucknow Belagavi Hyderabad (Correct Answer) Bengaluru
15	Which answer figure will complete the pattern in the question figure?
	© (Correct Answer)
16	In which year was the Brahmo Samaj was founded?
	□ 1825□ 1828 (Correct Answer)□ 1833□ 1842
17	Kathakali is a dance-form of which of the following state-

Tamil Nadu

Karnataka

	Kerala (Correct Answer)Gujarat
18	In which year was the Jaisalmer Fort built?
	 1123 1156 (Correct Answer) 1178 1189
19	In the following question, a sentence has been given in Direct Speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect Speech. "I love to play cricket," he said.
	 He said that he loves to play cricket. He said that he will love to play cricket. He said that he would love to play cricket. He said that he loved to play cricket. (Correct Answer)
20	In the following passage, some words have been left out and replaced by a blank represented by a letter. First, read the passage and try to understand what it is about. Then fill in the blanks as per the questions given. Actions, by themselves, have no power. They derive theirA from our intentions. Why get up in the morning? Because we have a purpose. Why take medicines? To heal. If that is the case, should weB our actions C intentions? The answer is apparent; the intentions need to be D The intention is the purpose that E how we will plan or act in a particular manner. Which of the following word will fill in the blank B?
	govern (Correct Answer) governs governing governed
21	Who out of the following was the successor of Chandragupta Maurya? Ashoka Samudragupta Bindusara (Correct Answer) Bimbisara
22	What should come in place of the question mark (?) in the following question? $\sqrt{(19 \times 650 \div 13 + 18.5 \times 4) \times 13} = ?$
	418 415 413 416 (Correct Answer)

23

	In the following passage, some words have been left out and replaced by a blank represented by a letter. First, read the passage and try to understand what it is about. Then fill in the blanks as per the questions given. Actions, by themselves, have no power. They derive their A from our intentions. Why get up in the morning? Because we have a purpose. Why take medicines? To heal. If that is the case, should we
	B our actions C intentions? The answer is apparent; the intentions need to be D The intention is the purpose that E how we will plan or act in a particular manner.
	Which of the following word will fill in the blank D?
	overseen (Correct Answer) oversaw
	O oversee
	overseeing
24	Fill in the blank with the Correct option in the context.
	The British government successfullythe revolt of 1857.
	repressed
	suppressed (Correct Answer)
	oppressed
	pressed
25	In which year did J. Chadwick discover a sub-atomic particle which was eventually named neutron?
	O 1930
	● 1932 (Correct Answer)
	O 1934
	0 1936
26	What is the full-form of IFSC in banking?
	Indian Financial System Code (Correct Answer)
	International Financial Systematic Coding
	Indian Fund Synchronization Code
	International Fund Synchronization Code
27	In a row of 15 children, when Ruksana was shifted three places towards right, she becomes 9th from the right end. What was his earlier position from the left end of the row?
	4 (Correct Answer)
	5
	6
	0 7
\	
28	At a certain rate of compound interest, a certain sum amounts to Rs. 51840 in 4 years and Rs.74649.6 in 6 years. What is the compound interest earned in fifth year?
	Rs.10368 (Correct Answer)
	Rs.10240
	O Rs.10400
	® Rs.11425
29	In the following question, a sentence has been given in
	In the following question, a sentence has been given in
	Passive Voice. Out of the four alternatives suggested,
	select the one which best expresses the same sentence in Active Voice.
	Active voice.

The cake is being cut and distributed by Susie.

	Susie was cutting and distributing the cake.
	Susie cut and distributed the cake.
	Susie had been cutting and distributing the cake.
	Susie is cutting and distributing the cake. (Correct Answer)
30	From the given responses, find the missing letter cluster in the series. HANDWASH, KDNDWASH, ?, HANDZDSH, HANDWAVK
	○ HAQPVZSH
	HAQGWASH (Correct Answer)
	O HAOPWASH
	○ KDQGWASH
31	In the given sentence, identify the segment which contains the grammatical error. Though many people think that heart issues are a "men's problem," heart disease affects more women then men.
	O Many people
	O Women then men (Correct Answer)
	Olssues are
	O Affects
32	Who is the author of the book 'The God of Small Things'?
	Arundhati Roy (Correct Answer)
	○ William Dalryample
	O Mulk Raj Anand
	○ Khushwant Singh
33	If ABJURATION is written as AJRTOBUAIN then how will ACCOMPLISH be written as?
	ACMLSCOPIH (Correct Answer)
	ACIMISCOIPH
	AMCLOSCPIH
	AMCLSCOPIH
	AMICLISCOPIN
34	
<i>3</i> 1	Choose the word from the options that is most similar in
	meaning to the given word.
	Describera
	Repellent
	Autonomous
	Unpleasant (Correct Answer)
	Innocuous
	Incessant
	Incessant
35	What is the minimum age required for a person to qualify as a Presidential candidate in India?
	That is a minimum age required for a person to qualify as a most defined and all all all all and a minimum age
	25 years
	O 30 years
	35 years (Correct Answer)
	O 40 years
36	Two parallel sides of a trapezium are in the ratio 3: 5 respectively and height is 4 cm more than the smaller
	parallel side. If area of trapezium is 896 cm², then find the height of trapezium.
	28 cm (Correct Answer)
	24 cm
	32 cm
	○ 32 cm
	20 UII
37	Which of the following state government has launched AMLAN (Anemia Mukta Lakhya Abhiyan)
51	
	programme recently?

Maharashtra

- Karnataka
- Odisha (Correct Answer)
- Himachal Pradesh

38

What should come in place of the question mark (?) in the following question?

 $(9^2 \times 27 + 3^3 \times 7 + ?)^{\frac{1}{2}} = 59$

- 0 1090
- 0 1111
- 1105 (Correct Answer)
- 0 1087

39

If 12% of 75% of 80% of a = 18, then which of the following is true?

- I. 4% of 18% of a = 2.4
- II. 30% of a% of 1200 = 720
- III. 6% of a = 21
- Only I
- Only III
- Only II
- None of these (Correct Answer)

40

Select the option in which the words share the same relationship as that shared by the given pair of words.

School: Study

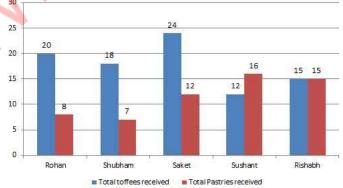
- University : President
- Temple : Worship (Correct Answer)
- GoldenTemple : Amritsar
- Ozoo: Animals

41 Find the missing number in a series given below: 12, 6, ___, 9, 18, 45, 135, 472.5

- 8
- **18**
- 0 10
- 6 (Correct Answer)

42

Vishal distributed toffees and pastries to his friends on the occasion of his birthday. Information about the number of toffees received and number of pastries received by some of his friends are given in the line graph.



Total toffees received by Rohan, Shubham, Saket, Sushant, and Rishabh together is 17.8% of total toffees distributed by Vishal. Find the number of toffees distributed by Vishal.

	© 600
	500 (Correct Answer)
	○ 400 ○ 540
	340
43	In the following question, select the related letters from the given alternatives. QNKH: GDAX :: WTQN: ?
	○ MKGD
	MJGD (Correct Answer)
	O MIJD
	○ MJHD
44	If '×' means 'addition', '-' means 'division', '/' means 'subtraction' and '+' means 'multiplication', then what will be the value of the expression $32 - 4 + 5/21 - 7 + 5/12$?
	O 11
	13 (Correct Answer)
	0 17
	O 21
45	In the following passage, some words have been left out and replaced by a blank represented by a letter. First, read the passage and try to understand what it is about. Then fill in the blanks as per the questions given. Actions, by themselves, have no power. They derive their A from our intentions. Why get up in the morning? Because we have a purpose. Why take medicines? To heal. If that is the case, should we B our actions C intentions? The answer is apparent; the intentions need to beD The intention is the purpose thatE how we will plan or act in a particular manner. Which of the following word will fill in the blank C?
	o and but
	or (Correct Answer)
	o for
46	The Pushkar Fair, is an annual festival organized in which state of India?
	○ Kerala
	○ Karnatak <mark>a</mark>
	Rajasthan (Correct Answer)
	○ Maharashtra
47	Veena sells all her shop's items at Rs. 45 each. The materials cost is Rs. 30 for each item and she has
	overhead expenses of Rs. 2800 per week in order to operate that manufacturing unit. What is the number
	of units she should produce and sell in order to make a profit of Rs. 1400 per week?
	320
	300
	O 250
	280 (Correct Answer)
48	Select the option that will improve the bracketed part of the sentence. In case no improvement is needed select 'No improvement'. Peterkin readjusted his hat and was soon listening with (as much interest) as I was.
	o so much interest
	as many interests
	o so many interests
	No Improvement. (Correct Answer)

	In the following passage, some words have been left out and replaced by a blank represented by a letter. First, read the passage and try to understand what it is about. Then fill in the blanks as per the questions given. Actions by themselves by the passage and try to proper They derive their
	Actions, by themselves, have no power. They derive their A from our intentions. Why get up in the morning? Because we have a purpose. Why take medicines? To heal. If that is the case, should we B our actions C intentions? The
	answer is apparent; the intentions need to beD The intention is the purpose thatE how we will plan or act in a particular manner.
	Which of the following word will fill in the blank A?
	weakness
	strength (Correct Answer) core
	o matter
50	Select the correctly spelt word.
	o exilerate
	omonotanous
	meticulious
	onarrative (Correct Answer)
51	Which of the following soils is known as the 'Ultisols'?
	Red clay Soil (Correct Answer) Alluvial Soil
	O Black Soil
	Laterite Soil
52	Select the figure that will come next in the following series:/ Select the figure that will come next in the following series: Problem Figures Answer Figures (a) (b) (c) (d)
	A (Correct Answer) B C
1	© D
53	A bag contains some sugar. 12 kg of sugar is replaced with white crystals. The process is repeated 1 more time. The amount of sugar in the bag now is 25/3 kg. What was the amount of sugar in the bag initially (in kg)?
	O 24
	36
	30 37 (Correct Approxi)
	27 (Correct Answer)
EΛ	If a source digit number 6124v70 is divisible by 0, then what is the value of (2v + 2)2

If a seven-digit number 6124x78 is divisible by 9, then what is the value of (2x + 3)?

- 19 (Correct Answer)
- 0 17
- **21**

In the question below, there are two statements followed by four conclusions given in options. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion logically follow(s) from the given statements.

Statements:

Some books are cards.

Some cards are pretty.

Conclusions:

- (A) ALL books are pretty.
- (B) All pretty are books.
- (C) All cards are books.
- (D) Some pretty are cards.
- A
- ОВ
- \circ C
- D (Correct Answer)

56

The given pie chart shows the sales of a company over five years.



Sale = expenditure + profit

Profit % = (profit/expenditure) x 100 %

If profit of the company in 2001 was 10%, in 2002 was 25% and in 2003 was 40%, then find the ratio of expenditure in 2001, 2002 and 2003 together to sale of the company in 2004 and 2005 together.

- 52:35 (Correct Answer)
- 9 49 : 26
- 0 3:2
- 36:23
- Two pipes A and B whose flow rates are in the ratio 3: 2 when opened together can fill a tank in 6 hours. If pipe A along with draining pipe which can empty the tank in 20 hours is opened together then the tank will be filled in how much time?
 - 15 hours
 - 60 hours
 - 30 hours
 - 20 hours (Correct Answer)
- 58 Who was elected as the new president of the International Hockey Federation (FIH)?

	O Dato Fumio Ogura
	O Mohammad Tayyab Ikram (Correct Answer)
	Thierry Weil
	Rajeev Shukla
59	Choose the word from the options that is opposite in
	meaning to the given word.
	Inadvertent
	Unintentional
	Impious
	Deliberate (Correct Answer)
	Peevish
60	
60	In the following passage, some words have been left out
	and replaced by a blank represented by a letter. First, read the passage and try to understand what it is about. Then fill
	in the blanks as per the questions given.
	Actions, by themselves, have no power. They derive their
	A from our intentions. Why get up in the
	morning? Because we have a purpose. Why take
	medicines? To heal. If that is the case, should weB our actionsC intentions? The
	answer is apparent; the intentions need to beD
	The intention is the purpose thatEhow we will
	plan or act in a particular manner.
	Which of the following word will fill in the blank E?
	which of the following word will the in the blank B?
	O suggests
	negates
	makes
	O defines (Correct Answer)
61	What type of maintenance schedule is to be done for transformers of capacities less than 1000 KVA, on an
	hourly basis?
	Checking of De-hydrating breather
	Checking of Oil level in transformer
	Checking of Load (Amperes) & Voltage (Correct Answer)
	Checking of Earth resistance
62	Name the device that does not rotate continuously, but rotates in the form of pulses.
	Stepper motor (Correct Answer)
	Repulsion motor
	O Universal motor
	Shaded pole motor
63	Illumination is defined as –
03	illumination is defined as –
	The energy radiated from a luminous body per second in the form of light waves.
	The amount of light emitted in a direction by a source of one candle power.
	Luminous flux emitted by a light source per unit solid angle.
	Uuminous flux reaching a surface perpendicularly per unit area. (Correct Answer)
64	Which of the following specifications is not mandatory to be labelled on the underground cables?
	Type of cable
	Cable code
	Number of cores
	Type of insulator (Correct Answer)
	VI

Which are manufactured by using resistance wire wrapped around an insulating core like ceramic

	porcelain etc.?
	Carbon film resistors
	Wire-wound resistors (Correct Answer)
	Carbon composition resistors
	O PTC resistors
66	Which of the following is not a cause of the incorrect magnitude of fluxes error, caused by the driving
	system of an energy meter?
	Improper lag adjustment
	Unsymmetrical magnetic circuit (Correct Answer)
	Change in resistance with temperature
	Abnormal frequencies
67	The moving coil is connected in series with a across the terminals of the incoming machine
	• Inductor
	Resistor
	O Lamp
	Capacitor (Correct Answer)
68	Which one of the following is not the requirement for producing dynamically induced emf?
	Magnetic field
	Electric field (Correct Answer)
	Conductor
	Relative motion between the conductor and the magnetic field.
69	Aggressive behaviour of an employee can be categorised as a/an
	O Physiological hazard
	Psychological hazard (Correct Answer)
	O Physical hazard
	O Ergonomic hazard
70	Which one of the following is incorrect with respect to series wound DC generators?
	With the increase in load the terminal voltage of the machine increases.
	After reaching its maximum value it starts to decrease.
	The decrease in the value is due to the magnetizing effect of the armature. (Correct Answer)
	With the increase in load the field current increases.
74	
71	Name this tool used by electricians.
	sтоск
	WOODEN HANDLE
	FACE
	O Hammer ball pein
	Gimlet
	O Pincer
	Mallet (Correct Answer)
72	refers to the imaginary line joining the two poles of a magnet.
	Magnetic field
	Magnetic axis (Correct Answer)

Magnetic lines

	Magnetic neutral axis
73	Name the process in which a metal is deposited on the surface of another metal by the method of electrolysis.
	Electroplating (Correct Answer)
	Nano plating
	SolderingBrazing
	o brazing
74	Which of the following statement mentioned below is correct?
	1) The power factor can be one
	2) The power factor can be less than one
	3) The power factor can be greater than one
	4) The power factor can be one or less than one
	1,2 & 4 are correct and 3 is incorrect (Correct Answer)
	4 is correct and 1,2, and 3 are incorrect
	2 & 3 are correct and 1 & 4 are incorrect
	All are correct.
75	acts as a rotor in an excitation alternator.
	Armature (Correct Answer)
	WindingCl. 6
	Shaft Slot
76	is a phenomenon in the alternator which is caused by continuous fluctuation in load.
	Hunting (Correct Answer)Booster
	Transient Excitation
77	The ratio of the mass of a given volume of liquid to the mass of the same volume of water at is known as the specific gravity of the liquid.
	○ 10°C
	○ 5°C
	● 4°C (Correct Answer)
	○ 20°C
78	What is a trickle charge?
	Charging of a battery at a very low rate for a long time. (Correct Answer)
	Charging of a battery at a very fast rate for a short time.
	First charging of a new uncharged battery
	Charging of a battery when it is put into service for the first time.
79	Which type of reflector is used in a damp and corrosive atmosphere?
	Oispersive type (Correct Answer)
	Mirror type
	Parabolic type Softlight
	- Johnson
80	Which of the following describes the use of a cross-cut chisel?
	It is used for chipping excess metal off from castings.
	It is used for squaring materials at the corners.
	It is used for removing metal from large flat surfaces. It is used for cutting keyways. (Correct Answer)
	- It is assa for cutting revivays, recrited //IISWell

81	What is the term given to the accidental connection of a live portion of an electrical system to the earth?
	Earth electrode
	Leakage current
	Step potential
	Earth fault (Correct Answer)
	Editifiadit (Coffect Aliswer)
82	
02	The symbol represents:
	T I
	6
	O Circuit haveless
	Circuit breaker
	Thermostat
	Pressure switch (Correct Answer)
	Three pole switches
83	Which of the following is a valid technique to detect a short circuit in a series circuit?
	A huge current flow is indicated by the ammeter (Correct Answer)
	The full supply voltage is indicated in the voltmeter The full supply voltage is indicated in the voltmeter
	Infinite resistance is indicated in the ohmmeter
	No current is indicated in the ammeter
0.4	
84	How can we compensate for the demagnetizing effect of reduced induced emf in large machines?
	Providing compensating windings in series with the armature (Correct Answer)
	Increasing the ampere-turns in field windings
	Providing compensating windings in parallel with the armature
	Decreasing the ampere-turns in field windings
	Decreasing the ampere-turns in held windings
85	[192 1 1 1 1 1 1 1 1 1
05	What is the crimping capacity of this tool?
	9
	RATCHET
	(000)
	DIE
	0.46 mm to 3.25 mm (Correct Answer)
	0.5 mm to 6 mm
	7.01 mm to 10.92 mm
	9.44 mm to 12.7 mm
86	is also called as a constant voltage generator.
	O DC series generator
	DC shunt generator (Correct Answer)
	Short shunt compound generator
	Long shunt compound generator
87	According to which law, the algebraic sum of all branch currents meeting at a point is zero?
	Kirchhoff's first law (Correct Answer)
	Ohm's law
	Coulomb's law
	○ Kirchhoff's second law
88	The constant losses in shunt and compound generators are equal to
	Stray loss + windage loss
	Mechanical loss+ stray loss

and diameter	NAME OF THE PARTY	
I) Diameter less than 0.071 nm A. Measurement by resistan and diameter II) Diameter over and including 0.071 nm up to 1.000 nm III) Diameter over 1.000 nm C. Measurement only by resistance III-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-A & III-A Ny should there be an AC supply to the electrodes in case of an around the effect of electrolytic emf with the instrument reaction of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	A STATE OF THE PARTY OF THE PAR	COLUMNIA
and diameter II) Diameter over and including 0.071 nm up to 1.000 nm diameter III) Diameter over 1.000 nm diameter C. Measurement only by the diameter over 1.000 nm resistance I-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A To avoid there be an AC supply to the electrodes in case of an avoid the effect of electrolytic emf with the instrument reaction of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	7.071 mii	ANALYSIS CONTRACTOR OF THE PROPERTY OF THE PRO
0.071 nm up to 1.000 nm III) Diameter over 1.000 nm resistance I-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A ry should there be an AC supply to the electrodes in case of an To avoid the effect of electrolytic emf with the instrument reactors to stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument		1) Diameter less than 0.071 hin
III) Diameter over 1.000 nm resistance C. Measurement only by resistance I-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A ny should there be an AC supply to the electrodes in case of an To avoid the effect of electrolytic emf with the instrument react To stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	ncluding B. Measurement only by the	II) Diameter over and including
resistance I-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A ry should there be an AC supply to the electrodes in case of an To avoid the effect of electrolytic emf with the instrument react To stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	promiting proposition and the proposition of the pr	
I-C, II-A & III-B (Correct Answer) I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A ny should there be an AC supply to the electrodes in case of an area are are are are are are are are ar		
I-A, II-B & III-C I-C, II-B & III-C I-B, II-A & III-A ny should there be an AC supply to the electrodes in case of an To avoid the effect of electrolytic emf with the instrument reac To stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	resistance	resistance
ny should there be an AC supply to the electrodes in case of ar To avoid the effect of electrolytic emf with the instrument reac To stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	ct Answer)	I-A, II-B & III-C I-C, II-B & III-C
To stop the vibration of the meter needle To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument		
To reduce the voltage drop inside the instrument To decrease the handle rotating speed of the instrument	-	
To decrease the handle rotating speed of the instrument		'
	•	,
e Flectrochemical equivalent (FCF) of Silver is million	e rotating speed of the instrument	to decrease the handle rotatin
Talling	valent (ECE) of Silver is milligram	e Electrochemical equivalent (E
1.1200		1.1200
1.1300		1.1300
1.182		1.182
1.1182 (Correct Answer)	er)	1.1182 (Correct Answer)
cording to the Flemings, right-hand rule the forefinger points	s, right-hand rule the foretinger points to the	cording to the Flemings, right-
Motion of the conductor	cor	Motion of the conductor
Direction of the magnetic flux (Correct Answer)		
Direction of the current		-
Direction of the Voltage	e	Direction of the Voltage
nat is the name of the device which is used to measure the insu	device which is used to measure the insulat	nat is the name of the device w
A common tester		A common tester
Megger (Correct Answer)	ver)	Megger (Correct Answer)
Multimeter		Multimeter
Simple meter		Simple meter
nat will happen if one cell connection in a series group is rever		
It will cause a short circuit	ell connection in a series group is reversed	nat will happen if one cell conn
It will produce a lower battery output voltage than expected (
The cells will be permanently damaged	cuit	It will cause a short circuit
No change in the batter output voltage	cuit battery output voltage than expected (Cor	It will cause a short circuit It will produce a lower battery

Which of the following is NOT a desirable characteristic of an insulator?

Low dielectric strength (Correct Answer)

Mechanical hazard (Correct Answer)

Unguarded machinery can be categorised as a ______.

 Resistance to temperature Mechanical strength

Physiological hazard

Physical hazard

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Flexibility

96

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	Ergonomic nazard
97	Which of the following diagrams give an estimation of the actual physical position of the components used for the wiring installation work?
	Layout diagram
	○ Installation plan
	Wiring diagram (Correct Answer)
	○ Circuit diagram
98	Which type of capacitor is used for starting AC capacitor-type motors?
	An electrolytic capacitor of polarized types
	A ceramic capacitor of non-polarized types
	An electrolytic capacitor of non-polarized types (Correct Answer)
	A ceramic capacitor of polarized types
99	Which of the following demonstrates the work of conduit saddles?
	○ To join two or more conduits
	To protect the cable insulation from damage
	To fasten the conduit on the surface of a wall (Correct Answer)
	○ To bend a conduit
100	If the current in an electric lamp is 7 amperes, find the quantity of electricity flowing towards the filament
	in 10 minutes.
	O 70 Coulomb
	4200 Coulomb (Correct Answer)
	0.7 Coulomb
	85.71 Coulomb