

RRB ALP CBT-II

**Previous Year Paper
(Armature & Coil Winder)
06 May, 2025 Shift 1**



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
CEN 01/2024 - ALP / सहायक लोको पायलट



Roll Number	
Candidate Name	
Test Center Name	
Community	
Test Date	06/05/2025
Test Time	9:30 AM - 12:00 PM
Subject	Armature and Coil Winder
Application Photograph	
Exam Day Photograph	

* Note

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : PART-A

Q.1 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)

Ans ☒ 1. SA – WQ

☒ 2. MU – QL

☒ 3. WE – AU

☒ 4. DL – HB

Question Type : **MCQ**

Question ID : **441009155644**

Option 1 ID : **441009617746**

Option 2 ID : **441009617744**

Option 3 ID : **441009617743**

Option 4 ID : **441009617745**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.2 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in 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/subtracting/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.)

11 – 121 – 221 – 171; 27 – 729 – 829 – 779

Ans ☒ 1. 16 – 196 – 296 – 246

☒ 2. 23 – 529 – 629 – 589

☒ 3. 13 – 169 – 244 – 188

☒ 4. 25 – 625 – 725 – 675

Question Type : **MCQ**

Question ID : **441009155594**

Option 1 ID : **441009617544**

Option 2 ID : **441009617545**

Option 3 ID : **441009617543**

Option 4 ID : **441009617546**

Status : **Answered**

Chosen Option : 1

Q.3	Which of the following is NOT one of the 5S principles?
Ans	☒ 1. Sort ☒ 2. Standardise ☒ 3. Supervise ☒ 4. Sustain
Question Type : MCQ Question ID : 441009156589 Option 1 ID : 441009621519 Option 2 ID : 441009621520 Option 3 ID : 441009621521 Option 4 ID : 441009621522 Status : Answered Chosen Option : 3	
Q.4	What should come in place of the question mark (?) in the given series? 17 29 41 59 77 101 125 ?
Ans	☒ 1. 155 ☒ 2. 175 ☒ 3. 161 ☒ 4. 149
Question Type : MCQ Question ID : 441009155606 Option 1 ID : 441009617591 Option 2 ID : 441009617594 Option 3 ID : 441009617593 Option 4 ID : 441009617592 Status : Answered Chosen Option : 1	
Q.5	Which of the following represents an item with kinetic energy?
Ans	☒ 1. A stone in motion ☒ 2. A compressed spring ☒ 3. A book resting on a table ☒ 4. An extended rubber band
Question Type : MCQ Question ID : 441009160695 Option 1 ID : 441009636567 Option 2 ID : 441009636568 Option 3 ID : 441009636565 Option 4 ID : 441009636566 Status : Answered Chosen Option : 1	

Q.6 Which of the following is NOT a fundamental quantity in the SI system?	
Ans	☒ 1. Force
	☐ 2. Luminous intensity
	☐ 3. Time
	☐ 4. Amount of substance
Question Type : MCQ Question ID : 441009153555 Option 1 ID : 441009609391 Option 2 ID : 441009609393 Option 3 ID : 441009609390 Option 4 ID : 441009609392 Status : Answered Chosen Option : 1	
Q.7 What is the scientific notation for 55,60,000 km?	
Ans	☐ 1. 5.56×10^4 km
	☐ 2. 55.6×10^4 km
	☐ 3. 556×10^6 km
	☒ 4. 5.56×10^6 km
Question Type : MCQ Question ID : 441009153560 Option 1 ID : 441009609413 Option 2 ID : 441009609412 Option 3 ID : 441009609411 Option 4 ID : 441009609410 Status : Answered Chosen Option : 4	
Q.8 In Engineering Drawing, principal lines are drawn to represent _____.	
Ans	☒ 1. visible edges and surface boundaries of objects
	☐ 2. wide lines along which the prints are trimmed
	☐ 3. interior or hidden edges
	☐ 4. axes of cylindrical, conical or spherical objects
Question Type : MCQ Question ID : 441009156542 Option 1 ID : 441009621331 Option 2 ID : 441009621332 Option 3 ID : 441009621333 Option 4 ID : 441009621334 Status : Answered Chosen Option : 1	

Q.9	Akshay gets 2% increase in his sale amount in the first year and 25% in the second year. With that his present sale is ₹1,42,800. What was his sale (in ₹) two years ago?
Ans	✗ 1. 1,40,000 ✗ 2. 92,000 ✓ 3. 1,12,000 ✗ 4. 1,14,240

Question Type :	MCQ
Question ID :	441009153618
Option 1 ID :	441009609644
Option 2 ID :	441009609645
Option 3 ID :	441009609642
Option 4 ID :	441009609643
Status :	Answered
Chosen Option :	3

Q.10	If $a = 21$ and $b = 19$, find the value of $\frac{a^2 + b^2 + ab}{a^3 - b^3}$.
Ans	✓ 1. $\frac{1}{2}$ ✗ 2. $\frac{2}{5}$ ✗ 3. $\frac{2}{3}$ ✗ 4. $\frac{3}{5}$

Question Type :	MCQ
Question ID :	441009153591
Option 1 ID :	441009609534
Option 2 ID :	441009609536
Option 3 ID :	441009609535
Option 4 ID :	441009609537
Status :	Answered
Chosen Option :	1

Q.1	In winters, people wear jacket because ____.
1	
Ans	☒ 1. it looks good
	☒ 2. fabric of jacket is an insulator of heat so it traps body heat
	☒ 3. fabric of jacket is a conductor of heat so it traps body heat
	☒ 4. jacket allows the heat to flow from our body to surroundings

Question Type :	MCQ
Question ID :	441009154519
Option 1 ID :	441009613238
Option 2 ID :	441009613240
Option 3 ID :	441009613239
Option 4 ID :	441009613241
Status :	Answered
Chosen Option :	2

Q.1	E, F, G, H, P, Q, and R, are sitting around a circular table facing the centre. F sits fourth to the right of E. Only R sits between F and H. H is NOT an immediate neighbour of E. Only P sits between E and G. How many people sit between G and Q when counted from the right of G?
2	
Ans	☒ 1. One
	☒ 2. Four
	☒ 3. Three
	☒ 4. Two

Question Type :	MCQ
Question ID :	441009155670
Option 1 ID :	441009617847
Option 2 ID :	441009617850
Option 3 ID :	441009617849
Option 4 ID :	441009617848
Status :	Answered
Chosen Option :	4

Q.1	What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
3	
	$32 + 28 \div 3 \times 4 - 15 = ?$
Ans	☒ 1. 26
	☒ 2. 32
	☒ 3. 20
	☒ 4. 29

Question Type :	MCQ
Question ID :	441009155590
Option 1 ID :	441009617527
Option 2 ID :	441009617529
Option 3 ID :	441009617528
Option 4 ID :	441009617530
Status :	Answered
Chosen Option :	1

Q.1 4	Find the value of 96.86572×10^7 .
Ans	✖ 1. 96,86,572 ✖ 2. 0.9686572 ✖ 3. 9,68,65,720 ✔ 4. 96,86,57,200
Question Type : MCQ Question ID : 441009153655 Option 1 ID : 441009609792 Option 2 ID : 441009609793 Option 3 ID : 441009609790 Option 4 ID : 441009609791 Status : Answered Chosen Option : 4	
Q.1 5	Calculate the energy possessed by an object of mass 10 kg when it is raised to a height of 5 m from the ground. Given: $g = 9.8 \text{ m s}^{-2}$.
Ans	✖ 1. 400 J ✔ 2. 490 J ✖ 3. 450 J ✖ 4. 500 J
Question Type : MCQ Question ID : 441009153500 Option 1 ID : 441009609172 Option 2 ID : 441009609170 Option 3 ID : 441009609173 Option 4 ID : 441009609171 Status : Answered Chosen Option : 2	
Q.1 6	A is thrice as good a workman as B and together they can finish a piece of work in 12 days. In how many days can A alone finish the work?
Ans	✖ 1. 14 days ✔ 2. 16 days ✖ 3. 12 days ✖ 4. 18 days
Question Type : MCQ Question ID : 441009153651 Option 1 ID : 441009609775 Option 2 ID : 441009609776 Option 3 ID : 441009609774 Option 4 ID : 441009609777 Status : Answered Chosen Option : 2	

Q.1 7	Which of the following features allows the user to quickly find emails received from a specific sender?																	
Ans	✖ 1. Filter																	
	✖ 2. Draft																	
	✔ 3. Sort																	
	✖ 4. Archive																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156675</td></tr><tr><td>Option 1 ID :</td><td>441009621864</td></tr><tr><td>Option 2 ID :</td><td>441009621866</td></tr><tr><td>Option 3 ID :</td><td>441009621863</td></tr><tr><td>Option 4 ID :</td><td>441009621865</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>1</td></tr></table>	Question Type :	MCQ	Question ID :	441009156675	Option 1 ID :	441009621864	Option 2 ID :	441009621866	Option 3 ID :	441009621863	Option 4 ID :	441009621865	Status :	Answered	Chosen Option :	1
Question Type :	MCQ																	
Question ID :	441009156675																	
Option 1 ID :	441009621864																	
Option 2 ID :	441009621866																	
Option 3 ID :	441009621863																	
Option 4 ID :	441009621865																	
Status :	Answered																	
Chosen Option :	1																	
Q.1 8	What should come in place of the question mark (?) in the given series? UT27, RQ25, NM23, ?																	
Ans	✖ 1. JH19																	
	✖ 2. IH29																	
	✖ 3. IG21																	
	✔ 4. IH21																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009155678</td></tr><tr><td>Option 1 ID :</td><td>441009617880</td></tr><tr><td>Option 2 ID :</td><td>441009617881</td></tr><tr><td>Option 3 ID :</td><td>441009617879</td></tr><tr><td>Option 4 ID :</td><td>441009617882</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009155678	Option 1 ID :	441009617880	Option 2 ID :	441009617881	Option 3 ID :	441009617879	Option 4 ID :	441009617882	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009155678																	
Option 1 ID :	441009617880																	
Option 2 ID :	441009617881																	
Option 3 ID :	441009617879																	
Option 4 ID :	441009617882																	
Status :	Answered																	
Chosen Option :	4																	
Q.1 9	The areas of three adjacent faces of a solid cuboid are 162 cm ² , 144 cm ² and 50 cm ² . What is the volume (in cm ³) of the cuboid?																	
Ans	✖ 1. 1365																	
	✖ 2. 805																	
	✖ 3. 833																	
	✔ 4. 1080																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153666</td></tr><tr><td>Option 1 ID :</td><td>441009609836</td></tr><tr><td>Option 2 ID :</td><td>441009609837</td></tr><tr><td>Option 3 ID :</td><td>441009609835</td></tr><tr><td>Option 4 ID :</td><td>441009609834</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009153666	Option 1 ID :	441009609836	Option 2 ID :	441009609837	Option 3 ID :	441009609835	Option 4 ID :	441009609834	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009153666																	
Option 1 ID :	441009609836																	
Option 2 ID :	441009609837																	
Option 3 ID :	441009609835																	
Option 4 ID :	441009609834																	
Status :	Answered																	
Chosen Option :	4																	

Q.20

The median of the data 2, 6, 4, 8, 1, 2, 5, 8, 9, 10, 12, 9, 7, 8, 3, 1, 0, 9, 2, 5 is ____.

Ans

✔ 1. 5.5

✘ 2. 6.5

✘ 3. 6

✘ 4. 5

Question Type : MCQ

Question ID : 441009153634

Option 1 ID : 441009609707

Option 2 ID : 441009609709

Option 3 ID : 441009609708

Option 4 ID : 441009609706

Status : Answered

Chosen Option : 1

Q.21

এই প্রশ্নে, একটি বিবৃতি দেওয়া হয়েছে, এরপর I এবং II সংখ্যায়ুক্ত দুটি পদক্ষেপ দেওয়া হয়েছে। আপনাকে বিবৃতিতে দেওয়া তথ্য, সত্য বলে ধরে নিতে হবে। বিবৃতিতে প্রদত্ত তথ্যের ভিত্তিতে, কোন পদক্ষেপ(গুলি) অনুসরণ করা যুক্তিসঙ্গত হবে তা নির্ধারণ করুন।

বিবৃতি:

আজ বিকেলে জয়পুরের একটি মলে একটি বড় অগ্নিকাণ্ড ঘটে, যার ফলে ভিতরে উপস্থিত বেশ কয়েকজন ব্যক্তি আহত হয়েছেন।

পদক্ষেপ:

পুলিশকে অবশ্যই পরীক্ষা করে দেখতে হবে যে শপিং মলে অগ্নি সুরক্ষা বিধি অনুসরণ করা হয়েছিল কিনা।

ট্রাফিক পুলিশকে অগ্নিকান্ডের স্থান থেকে যানজট দূর করতে হবে, যাতে আটকে পড়া ব্যক্তিদের উদ্ধার করা যায়।

Ans

✘ 1. I বা II কোনোটিই অনুসরণ করে না।

✘ 2. শুধুমাত্র I অনুসরণ করে।

✔ 3. I এবং II উভয়ই অনুসরণ করে।

✘ 4. শুধুমাত্র II অনুসরণ করে।

Question Type : MCQ

Question ID : 441009155684

Option 1 ID : 441009617905

Option 2 ID : 441009617903

Option 3 ID : 441009617906

Option 4 ID : 441009617904

Status : Answered

Chosen Option : 3

Q.2	Which key combination is commonly used for copying text in many text editing applications in Windows?
Ans	✓ 1. Ctrl+C ✗ 2. Ctrl+V ✗ 3. Ctrl+S ✗ 4. Tab

Question Type :	MCQ
Question ID :	441009156680
Option 1 ID :	441009621884
Option 2 ID :	441009621886
Option 3 ID :	441009621885
Option 4 ID :	441009621883
Status :	Answered
Chosen Option :	1

Q.2	Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.
3	Statements: Some ships are boats. All boats are submarines. Some submarines are yachts Conclusions: (I) Some yachts are boats. (II) Some yachts are ships.
Ans	✗ 1. Both conclusions (I) and (II) follow. ✗ 2. Only conclusion (II) follows. ✗ 3. Only conclusion (I) follows. ✓ 4. Neither conclusion (I) nor (II) follows.

Question Type :	MCQ
Question ID :	441009155654
Option 1 ID :	441009617786
Option 2 ID :	441009617784
Option 3 ID :	441009617783
Option 4 ID :	441009617785
Status :	Answered
Chosen Option :	4

Q.2	In a certain code language, 'LOVE' is coded as '8364' and 'EARS' is coded as '3517'.
4	What is the code for 'E' in the given code language?
Ans	1. 5 2. 4 3. 3 4. 7
Question Type : MCQ Question ID : 441009155628 Option 1 ID : 441009617681 Option 2 ID : 441009617680 Option 3 ID : 441009617679 Option 4 ID : 441009617682 Status : Answered Chosen Option : 3	
Q.2	Alloys are preferred over pure metals in electrical heating devices:
5	
Ans	1. because alloys oxidise (burn) readily at high temperatures. 2. because the resistivity of an alloy is generally higher than its constituent metals. 3. because the elasticity of an alloy is higher than that of its constituent metals. 4. because the resistivity of an alloy is lower than that of its constituent metals.
Question Type : MCQ Question ID : 441009153506 Option 1 ID : 441009609197 Option 2 ID : 441009609194 Option 3 ID : 441009609196 Option 4 ID : 441009609195 Status : Marked For Review Chosen Option : 4	

Q.2 6	If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 12$, then the value of $\frac{121\tan^2\theta - 3}{169\cot^2\theta + 1}$ is:
Ans	☒ 1. $-\frac{83}{21}$
	☒ 2. $\frac{83}{61}$
	☒ 3. $\frac{83}{21}$
	☒ 4. $-\frac{83}{61}$

Question Type :	MCQ
Question ID :	441009153669
Option 1 ID :	441009609848
Option 2 ID :	441009609847
Option 3 ID :	441009609846
Option 4 ID :	441009609849
Status :	Answered
Chosen Option :	2

Q.2 7	Which term describes the maximum amount of solar energy that a photovoltaic (PV) system can convert into electricity under standard test conditions?
Ans	☒ 1. Peak load
	☒ 2. Effective capacity
	☒ 3. Nameplate capacity
	☒ 4. Rated capacity

Question Type :	MCQ
Question ID :	441009158532
Option 1 ID :	441009629064
Option 2 ID :	441009629065
Option 3 ID :	441009629066
Option 4 ID :	441009629063
Status :	Answered
Chosen Option :	4

Q.2	Rakesh starts a business with a capital of ₹2,50,000. He incurs a loss of 5% during the first year. However, he makes a profit of 4% on his remaining investment during the second year. Finally, he makes a profit of 20% on his new capital during the third year. Find his total profit at the end of three years.
8	
Ans	✓ 1. ₹46,400 ✗ 2. ₹46,600 ✗ 3. ₹46,500 ✗ 4. ₹46,700

Question Type :	MCQ
Question ID :	441009153653
Option 1 ID :	441009609782
Option 2 ID :	441009609784
Option 3 ID :	441009609783
Option 4 ID :	441009609785
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.2	নিম্নলিখিত কোন প্রযুক্তিটি একটি তড়িৎ-রাসায়ন প্রক্রিয়ার মাধ্যমে কাজ করে যা হাইড্রোজেন গ্যাস (H ₂) এবং অক্সিজেনে সঞ্চিত শক্তিকে দহন ছাড়াই বৈদ্যুতিক শক্তিতে রূপান্তরিত করে?
9	
Ans	✓ 1. হাইড্রোজেন জ্বালানি কোষ ✗ 2. বায়ু শক্তি ✗ 3. জলবিদ্যুৎ শক্তি ✗ 4. সৌরতাপ শক্তি

Question Type :	MCQ
Question ID :	441009158535
Option 1 ID :	441009629077
Option 2 ID :	441009629076
Option 3 ID :	441009629075
Option 4 ID :	441009629078
Status :	Marked For Review
Chosen Option :	1

Q.3 0	ইঞ্জিনিয়ারিং ড্রয়িং এ রেখা (line) কী?
Ans	✖ 1. দৈর্ঘ্য, প্রস্থ এবং উচ্চতা সহ ত্রিমাত্রিক বস্তু ✖ 2. কোনো স্পেস বা ড্রয়িং শীটে অবস্থিত মাত্রাবিহীন অবস্থান যার কোনো প্রস্থ, উচ্চতা বা গভীরতা নেই ✖ 3. একটি ব্লোজড কার্ড যেখানে সমস্ত বিন্দু একটি স্থির কেন্দ্রবিন্দু থেকে সমান দূরত্বে থাকে ✔ 4. এক-মাত্রিক ফিগার, যার দৈর্ঘ্য আছে কিন্তু প্রস্থ নেই
Question Type : MCQ Question ID : 441009156540 Option 1 ID : 441009621324 Option 2 ID : 441009621323 Option 3 ID : 441009621325 Option 4 ID : 441009621326 Status : Answered Chosen Option : 4	
Q.3 1	Refer to the following letter, number and symbol series and answer the question that follows. Counting to be done from left to right only. (Left) K A T & 4 @ Y # 6 K & 2 R % 7 D 3 5 E * S (Right) How many such symbols are there which are immediately preceded by a number and also immediately followed by a letter?
Ans	✖ 1. Three ✖ 2. Two ✔ 3. One ✖ 4. Four
Question Type : MCQ Question ID : 441009160820 Option 1 ID : 441009637006 Option 2 ID : 441009637005 Option 3 ID : 441009637004 Option 4 ID : 441009637007 Status : Answered Chosen Option : 3	

Q.3 The resistance of a metallic wire is R. If the radius of the metallic wire is reduced to half of its initial value while keeping all other parameters the same, the new resistance becomes _____.

Ans ☒ 1. 2R

☒ 2. 4R

☒ 3. $\frac{R}{4}$

☒ 4. $\frac{R}{2}$

Question Type : MCQ

Question ID : 441009153488

Option 1 ID : 441009609122

Option 2 ID : 441009609123

Option 3 ID : 441009609125

Option 4 ID : 441009609124

Status : Answered

Chosen Option : 3

Q.3 একটি বাণিজ্যিক বিন্দিংয়ে এনার্জি অডিট পরিচালনা করে নিম্নলিখিত কোন সুবিধাটি পাওয়া যেতে পারে?

Ans ☒ 1. একক ব্যবহার অনুযায়ী বিদ্যুৎশক্তির মূল্য হ্রাস

☒ 2. বিন্দিংটির বাজার মূল্য হ্রাস

☒ 3. বিদ্যুৎ বিলের ব্যয় বৃদ্ধি

☒ 4. বিদ্যুৎশক্তি সাশ্রয়ের সুযোগ চিহ্নিতকরণ

Question Type : MCQ

Question ID : 441009158536

Option 1 ID : 441009629082

Option 2 ID : 441009629079

Option 3 ID : 441009629081

Option 4 ID : 441009629080

Status : Answered

Chosen Option : 4

Q.3	Which of the following correctly describes the direction of electric current?																
4																	
Ans	☒ 1. From low potential to high potential																
	☒ 2. Opposite to the direction of positive charge flow																
	☒ 3. Opposite to the direction of electron flow																
	☒ 4. Same as the direction of electron flow																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153493</td></tr><tr><td>Option 1 ID :</td><td>441009609142</td></tr><tr><td>Option 2 ID :</td><td>441009609145</td></tr><tr><td>Option 3 ID :</td><td>441009609143</td></tr><tr><td>Option 4 ID :</td><td>441009609144</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>3</td></tr></table>		Question Type :	MCQ	Question ID :	441009153493	Option 1 ID :	441009609142	Option 2 ID :	441009609145	Option 3 ID :	441009609143	Option 4 ID :	441009609144	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
Question ID :	441009153493																
Option 1 ID :	441009609142																
Option 2 ID :	441009609145																
Option 3 ID :	441009609143																
Option 4 ID :	441009609144																
Status :	Answered																
Chosen Option :	3																

Q.3	The mode of 4, 6, 4, 6, 5, 7, 5, 7, 4, 6, 7, 6 is:																
5																	
Ans	☒ 1. 7																
	☒ 2. 4																
	☒ 3. 6																
	☒ 4. 5																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153644</td></tr><tr><td>Option 1 ID :</td><td>441009609749</td></tr><tr><td>Option 2 ID :</td><td>441009609746</td></tr><tr><td>Option 3 ID :</td><td>441009609748</td></tr><tr><td>Option 4 ID :</td><td>441009609747</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>3</td></tr></table>		Question Type :	MCQ	Question ID :	441009153644	Option 1 ID :	441009609749	Option 2 ID :	441009609746	Option 3 ID :	441009609748	Option 4 ID :	441009609747	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
Question ID :	441009153644																
Option 1 ID :	441009609749																
Option 2 ID :	441009609746																
Option 3 ID :	441009609748																
Option 4 ID :	441009609747																
Status :	Answered																
Chosen Option :	3																

Q.3	If an electric heater draws a current of 5 A when the potential difference across its terminals is 75 V, what current will it draw when the potential difference is increased to 150 V?																
6																	
Ans	☒ 1. 20 A																
	☒ 2. 30 A																
	☒ 3. 15 A																
	☒ 4. 10 A																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153507</td></tr><tr><td>Option 1 ID :</td><td>441009609201</td></tr><tr><td>Option 2 ID :</td><td>441009609200</td></tr><tr><td>Option 3 ID :</td><td>441009609198</td></tr><tr><td>Option 4 ID :</td><td>441009609199</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>		Question Type :	MCQ	Question ID :	441009153507	Option 1 ID :	441009609201	Option 2 ID :	441009609200	Option 3 ID :	441009609198	Option 4 ID :	441009609199	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																
Question ID :	441009153507																
Option 1 ID :	441009609201																
Option 2 ID :	441009609200																
Option 3 ID :	441009609198																
Option 4 ID :	441009609199																
Status :	Answered																
Chosen Option :	4																

Q.3 7 আটজন ব্যক্তি দুটি সমান্তরাল সারিতে এমনভাবে বসে আছে, যাতে প্রতিটি সারিতে 4 জন করে থাকে এবং পার্শ্ববর্তী ব্যক্তিদের মধ্যে সমান দূরত্ব বজায় থাকে। সারি 1 এ - A, B, C এবং D সকলেই দক্ষিণদিকে মুখ করে বসে আছে। সারি 2 এ - P, Q, R এবং S সকলেই উত্তরদিকে মুখ করে বসে আছে। এইভাবে প্রত্যেক ব্যক্তি বিপরীত সারির অন্য একজন ব্যক্তির মুখোমুখি বসে রয়েছে।
R এর ডানদিকে মাত্র তিনজন বসে আছে। S এবং P এর ঠিক পাশে যে বসে আছে, D তার মুখোমুখি বসেছে। S এর বামদিকে দ্বিতীয় স্থানে যে বসে আছে, C তার মুখোমুখি বসেছে। A এর মুখোমুখি R বসেনি।
B এর মুখোমুখি কে বসেছে?

- Ans
- ☒ 1. P
- ☒ 2. Q
- ☒ 3. R
- ☒ 4. S

Question Type : MCQ

Question ID : 441009155639

Option 1 ID : 441009617723

Option 2 ID : 441009617726

Option 3 ID : 441009617724

Option 4 ID : 441009617725

Status : Answered

Chosen Option : 3

Q.3 8 কর্মক্ষেত্রে সিস্টেমের ব্যর্থতার (system failure) ক্ষেত্রে প্রথম প্রয়োজনীয় পদক্ষেপ কোনটি?

- Ans
- ☒ 1. সমস্যাটি রিপোর্ট করে জরুরি প্রোটোকল অনুসরণ করা
- ☒ 2. সকল বিদ্যুৎ উৎসের স্থায়ীভাবে সংযোগ বিচ্ছিন্ন করা
- ☒ 3. ব্যর্থতা উপেক্ষা করে কাজ চালিয়ে যাওয়া
- ☒ 4. পরীক্ষা-নিরীক্ষা ছাড়াই অবিলম্বে সমস্ত সিস্টেম পুনরায় চালু করা

Question Type : MCQ

Question ID : 441009156584

Option 1 ID : 441009621501

Option 2 ID : 441009621500

Option 3 ID : 441009621502

Option 4 ID : 441009621499

Status : Answered

Chosen Option : 1

Q.3 9	কোনটি একটি কর্মশালায় 5S ধারণার একটি প্রয়োগ?																
Ans	✗ 1. এফিসিয়েন্সি উন্নত করতে সুরক্ষা প্রোটোকল অপসারণ করা ✓ 2. সহজে অ্যাক্সেসের জন্য টুল এবং উপকরণ সংগঠিত রাখা ✗ 3. উপযুক্ত স্টোরেজ ব্যবস্থা ছাড়া অতিরিক্ত টুল ব্যবহার করা ✗ 4. নিরাপত্তা তত্ত্বাবধায়কদের সংখ্যা বৃদ্ধি করা																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156588</td></tr> <tr><td>Option 1 ID :</td><td>441009621517</td></tr> <tr><td>Option 2 ID :</td><td>441009621515</td></tr> <tr><td>Option 3 ID :</td><td>441009621518</td></tr> <tr><td>Option 4 ID :</td><td>441009621516</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>1</td></tr> </table>		Question Type :	MCQ	Question ID :	441009156588	Option 1 ID :	441009621517	Option 2 ID :	441009621515	Option 3 ID :	441009621518	Option 4 ID :	441009621516	Status :	Answered	Chosen Option :	1
Question Type :	MCQ																
Question ID :	441009156588																
Option 1 ID :	441009621517																
Option 2 ID :	441009621515																
Option 3 ID :	441009621518																
Option 4 ID :	441009621516																
Status :	Answered																
Chosen Option :	1																
Q.4 0	কর্মক্ষেত্রে বৈদ্যুতিক দুর্ঘটনা (electrical accidents) রোধে নিচের কোনটি কার্যকর উপায়?																
Ans	✗ 1. ছোট বৈদ্যুতিক ত্রুটি উপেক্ষা করা ✗ 2. খালি হাতে তড়িৎ যুক্ত তারে কাজ করা ✓ 3. উত্তাপযুক্ত সরঞ্জাম ব্যবহার করা এবং রাবারের গ্লাভস পরা ✗ 4. অতিরিক্ত বৈদ্যুতিক সরঞ্জাম ঠান্ডা করার জন্য জল ব্যবহার করা																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156591</td></tr> <tr><td>Option 1 ID :</td><td>441009621529</td></tr> <tr><td>Option 2 ID :</td><td>441009621528</td></tr> <tr><td>Option 3 ID :</td><td>441009621527</td></tr> <tr><td>Option 4 ID :</td><td>441009621530</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>3</td></tr> </table>		Question Type :	MCQ	Question ID :	441009156591	Option 1 ID :	441009621529	Option 2 ID :	441009621528	Option 3 ID :	441009621527	Option 4 ID :	441009621530	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
Question ID :	441009156591																
Option 1 ID :	441009621529																
Option 2 ID :	441009621528																
Option 3 ID :	441009621527																
Option 4 ID :	441009621530																
Status :	Answered																
Chosen Option :	3																
Q.4 1	Two containers, one painted black and the other painted white, have been kept in sunlight for one hour in the afternoon. Choose the correct observation.																
Ans	✗ 1. There is no effect on either container. ✗ 2. The white container becomes hotter than the black container. ✗ 3. Both containers become equally hot. ✓ 4. The black container becomes hotter than the white container.																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009154515</td></tr> <tr><td>Option 1 ID :</td><td>441009613225</td></tr> <tr><td>Option 2 ID :</td><td>441009613223</td></tr> <tr><td>Option 3 ID :</td><td>441009613224</td></tr> <tr><td>Option 4 ID :</td><td>441009613222</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>4</td></tr> </table>		Question Type :	MCQ	Question ID :	441009154515	Option 1 ID :	441009613225	Option 2 ID :	441009613223	Option 3 ID :	441009613224	Option 4 ID :	441009613222	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																
Question ID :	441009154515																
Option 1 ID :	441009613225																
Option 2 ID :	441009613223																
Option 3 ID :	441009613224																
Option 4 ID :	441009613222																
Status :	Answered																
Chosen Option :	4																

Q.4	In a certain code language, 'WILD' is coded as '8164' and 'DOGS' is coded as '3517'. 2 What is the code for 'D' in the given code language?
Ans	✖ 1. 3 ✖ 2. 5 ✖ 3. 4 ✔ 4. 1
Question Type : MCQ Question ID : 441009155627 Option 1 ID : 441009617676 Option 2 ID : 441009617678 Option 3 ID : 441009617677 Option 4 ID : 441009617675 Status : Answered Chosen Option : 4	

Q.4	If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '−', then what 3 will come in place of the question mark (?) in the following equation? 35 A 7 C 9 B 3 D 16 = ?
Ans	✖ 1. 18 ✔ 2. 16 ✖ 3. 10 ✖ 4. 21
Question Type : MCQ Question ID : 441009155592 Option 1 ID : 441009617536 Option 2 ID : 441009617535 Option 3 ID : 441009617538 Option 4 ID : 441009617537 Status : Answered Chosen Option : 2	

Q.4	Which of the following is an INCORRECT formula for power? 4
Ans	✖ 1. VI ✖ 2. I²R ✔ 3. I²Rt ✖ 4. V²/R
Question Type : MCQ Question ID : 441009153492 Option 1 ID : 441009609138 Option 2 ID : 441009609140 Option 3 ID : 441009609139 Option 4 ID : 441009609141 Status : Answered Chosen Option : 3	

Q.4	What should come in place of the question mark (?) in the given alpha-numeric series?
5	2M, 5O, 10R, 13T, 18W, 21Y, ?
Ans	✖ 1. 26A ✖ 2. 26C ✔ 3. 26B ✖ 4. 24B
Question Type : MCQ Question ID : 441009155674 Option 1 ID : 441009617865 Option 2 ID : 441009617864 Option 3 ID : 441009617866 Option 4 ID : 441009617863 Status : Answered Chosen Option : 3	
Q.4	Select the pair that follows the same pattern as the one followed by the two sets of pairs given below. Both pairs follow the same pattern.
6	BSR : QQW LOB : QMG
Ans	✖ 1. QGT : TDW ✖ 2. KRW : NPZ ✔ 3. RWH : WUM ✖ 4. HVD : LTH
Question Type : MCQ Question ID : 441009155636 Option 1 ID : 441009617713 Option 2 ID : 441009617714 Option 3 ID : 441009617712 Option 4 ID : 441009617711 Status : Answered Chosen Option : 3	
Q.4	Which of the following is the temperature range in a clinical thermometer?
7	
Ans	✖ 1. 30°C to 43°C ✖ 2. 10°C to 45°C ✔ 3. 35°C to 42°C ✖ 4. 31°C to 44°C
Question Type : MCQ Question ID : 441009154527 Option 1 ID : 441009613272 Option 2 ID : 441009613271 Option 3 ID : 441009613270 Option 4 ID : 441009613273 Status : Marked For Review Chosen Option : 4	

Q.4 8 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in 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/subtracting/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.)

4 – 8 – 18 – 9
6 – 12 – 22 – 11

- Ans ☒ 1. 3 – 15 – 12 – 20
☒ 2. 11 – 13 – 22 – 63
☒ 3. 9 – 18 – 28 – 20
☒ 4. 8 – 16 – 26 – 13

Question Type : MCQ

Question ID : 441009155600

Option 1 ID : 441009617567

Option 2 ID : 441009617568

Option 3 ID : 441009617570

Option 4 ID : 441009617569

Status : Answered

Chosen Option : 4

Q.4 9 নিচের কোনটি ইন্টারনেট আর্কিটেকচারে DNS (ডোমেইন নেম সিস্টেম) এর ভূমিকাকে সঠিকভাবে বর্ণনা করে?

- Ans ☒ 1. DNS, ইন্টারনেটে প্রেরিত ডেটা এনক্রিপ্ট করে সুরক্ষিত করে।
☒ 2. DNS, IP অ্যাড্রেসগুলিকে ডোমেইন নেমে রূপান্তরিত করে যাতে সেগুলি মনে রাখা সহজ হয়।
☒ 3. DNS, ডোমেইন নেমগুলিকে IP অ্যাড্রেসগুলিতে রূপান্তরিত করে যাতে ব্রাউজারগুলিকে ওয়েব সার্ভারগুলি সনাক্ত করতে সক্ষম করা যায়।
☒ 4. DNS, ইন্টারনেট জুড়ে ডেটা প্যাকেটগুলিকে তাদের গন্তব্যে পাঠায়।

Question Type : MCQ

Question ID : 441009156674

Option 1 ID : 441009621862

Option 2 ID : 441009621859

Option 3 ID : 441009621861

Option 4 ID : 441009621860

Status : Marked For Review

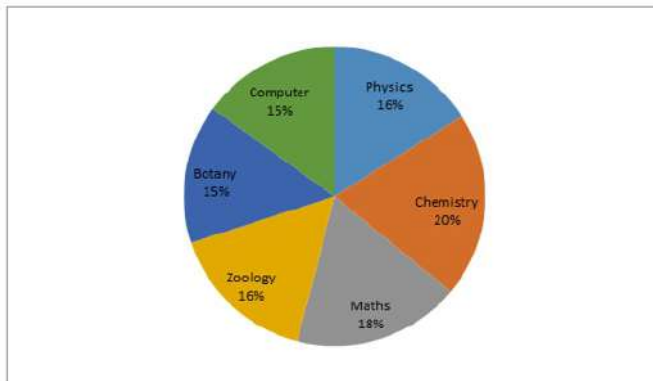
Chosen Option : 2

Q.5 0	কর্মক্ষেত্রে আগুন লাগলে কী আপৎকালীন ব্যবস্থা নেওয়া প্রয়োজন?
Ans	✖ 1. পরিস্থিতি পর্যবেক্ষণ করতে আগুনের কাছে জড়ো হওয়া ✖ 2. আগুন উপেক্ষা করে কাজ চালিয়ে যাওয়া ✔ 3. বিপদ সংকেত দেওয়া এবং এলাকা খালি করা ✖ 4. অগ্নিসংযোগের ধরণ না জেনে জল ব্যবহার করে আগুন নেভানোর চেষ্টা করা
Question Type : MCQ Question ID : 441009156585 Option 1 ID : 441009621504 Option 2 ID : 441009621506 Option 3 ID : 441009621503 Option 4 ID : 441009621505 Status : Answered Chosen Option : 3	
Q.5 1	The resistances of 30 ohm, 20 ohm and 60 ohm are connected in parallel. The equivalent resistance of the combination is _____.
Ans	✖ 1. 0.1 ohm ✖ 2. 110 ohm ✔ 3. 10 ohm ✖ 4. 12 ohm
Question Type : MCQ Question ID : 441009153489 Option 1 ID : 441009609126 Option 2 ID : 441009609128 Option 3 ID : 441009609129 Option 4 ID : 441009609127 Status : Answered Chosen Option : 3	

Q.5 Study the given pie chart and answer the question that follows.

2

The given pie chart indicates the percentage-wise breakup of students in different subjects. The total number of students in the college is 5000.



What is the ratio of the students studying Zoology to the students studying Botany?

Ans ☒ 1. 15 : 16

☒ 2. 14 : 15

☒ 3. 15 : 14

☒ 4. 16 : 15

Question Type : MCQ

Question ID : 441009155611

Option 1 ID : 441009617612

Option 2 ID : 441009617613

Option 3 ID : 441009617614

Option 4 ID : 441009617611

Status : Answered

Chosen Option : 4

Q.5 The floor of a rectangular hall has a perimeter of 220 m. If the cost of painting the four walls at the rate of ₹10 per m² is ₹11,000, then find the volume of the hall.

3

Ans ☒ 1. 19,250 m³

☒ 2. 19,200 m³

☒ 3. 18,250 m³

☒ 4. 19,520 m³

Question Type : MCQ

Question ID : 441009153674

Option 1 ID : 441009609869

Option 2 ID : 441009609868

Option 3 ID : 441009609866

Option 4 ID : 441009609867

Status : Marked For Review

Chosen Option : 1

Q.5	A can complete a piece of work in 18 days. B can complete it in 14 days. With the assistance of C, they completed the work in 7 days. C alone can complete it in _____ days.
Ans	☒ 1. 36
	☒ 2. 42
	☒ 3. 63
	☒ 4. 64

Question Type :	MCQ
Question ID :	441009153597
Option 1 ID :	441009609559
Option 2 ID :	441009609561
Option 3 ID :	441009609558
Option 4 ID :	441009609560
Status :	Answered
Chosen Option :	3

Q.5	An electric lamp with a resistance of 35 ohms and a conductor with a resistance of 5 ohms are connected to an 8 V battery in series. Calculate the current flowing through the circuit.
Ans	☒ 1. 0.2 A
	☒ 2. 2 A
	☒ 3. 1.82 A
	☒ 4. 40 A

Question Type :	MCQ
Question ID :	441009153505
Option 1 ID :	441009609190
Option 2 ID :	441009609193
Option 3 ID :	441009609192
Option 4 ID :	441009609191
Status :	Answered
Chosen Option :	1

Q.5 Match the following, according to lettering and numbering (uppercase lettering) as per 6 BIS SP: 46-2003.

Width (W) Capital letters
(A) 5 (I) W
(B) 6 (II) A, M, Q, V, X, Y
(C) 7 (III) B, D, G, H, K, N, O, P, R, S, T, U and Z
(D) 9 (IV) C, E, F, L

Ans ☒ 1. A-(I), B-(III), C-(II), D-(IV)

☒ 2. A-(IV), B-(II), C-(III), D-(I)

☒ 3. A-(IV), B-(III), C-(II), D-(I)

☒ 4. A-(IV), B-(III), C-(I), D-(II)

Question Type : MCQ

Question ID : 441009156546

Option 1 ID : 441009621348

Option 2 ID : 441009621349

Option 3 ID : 441009621347

Option 4 ID : 441009621350

Status : Answered

Chosen Option : 3

Q.5 A fruit seller had some apples. He sells 40% of the apples and now has 900 apples. How 7 many apples did he originally have?

Ans ☒ 1. 1350

☒ 2. 1500

☒ 3. 2250

☒ 4. 1800

Question Type : MCQ

Question ID : 441009153626

Option 1 ID : 441009609676

Option 2 ID : 441009609674

Option 3 ID : 441009609675

Option 4 ID : 441009609677

Status : Answered

Chosen Option : 2

Q.5	What is the amount of work done in moving a charge of 6 C from a point with a potential of 120 V to a point with a potential of 140 V?	
Ans	☒ 1. 3.33 J ☒ 2. 840 J ☒ 3. 120 J ☒ 4. 720 J	

Question Type :	MCQ
Question ID :	441009153508
Option 1 ID :	441009609203
Option 2 ID :	441009609204
Option 3 ID :	441009609202
Option 4 ID :	441009609205
Status :	Answered
Chosen Option :	3

Q.5	দুটি সংখ্যার গসাগু হল 62 এবং সংখ্যা দুটির লসাগুর অন্য দুটি উৎপাদক 7 এবং 9 হলে, নিম্নলিখিত বিকল্পগুলির মধ্যে কোনটি দুটি সংখ্যার মধ্যে ছোট সংখ্যাটি হতে পারে?	
Ans	☒ 1. 434 ☒ 2. 432 ☒ 3. 433 ☒ 4. 431	

Question Type :	MCQ
Question ID :	441009160922
Option 1 ID :	441009637396
Option 2 ID :	441009637394
Option 3 ID :	441009637395
Option 4 ID :	441009637393
Status :	Answered
Chosen Option :	2

Q.6	In Engineering Drawing, which of the following is the correct definition of the term 'dimension'.	
Ans	☒ 1. A continuous thick or wide line along which the prints are trimmed ☒ 2. The thickness of the line of a letter ☒ 3. A numerical value expressed in an appropriate unit of measurement ☒ 4. A line that is drawn to make a section evident	

Question Type :	MCQ
Question ID :	441009156548
Option 1 ID :	441009621357
Option 2 ID :	441009621356
Option 3 ID :	441009621355
Option 4 ID :	441009621358
Status :	Answered
Chosen Option :	3

Q.6	1	If $11.6 : x :: x : 2.9$, and $x > 0$, then find the value of x .
Ans	☒	1. 7.7
	☒	2. 10.9
	☒	3. 3.1
	☒	4. 5.8
Question Type : MCQ Question ID : 441009153612 Option 1 ID : 441009609619 Option 2 ID : 441009609620 Option 3 ID : 441009609621 Option 4 ID : 441009609618 Status : Answered Chosen Option : 4		
Q.6	2	Which of the following steps is essential when configuring a web browser to enhance both security and privacy for a user?
Ans	☒	1. Setting the homepage to a frequently visited website for quick access
	☒	2. Enabling pop-ups for all websites to improve user experience
	☒	3. Disabling the browser's cache to improve website loading times
	☒	4. Configuring the browser to block third-party cookies and enabling HTTPS-only mode
Question Type : MCQ Question ID : 441009156671 Option 1 ID : 441009621850 Option 2 ID : 441009621847 Option 3 ID : 441009621848 Option 4 ID : 441009621849 Status : Answered Chosen Option : 4		
Q.6	3	Which of the following is an example of uniform motion?
Ans	☒	1. A sprinter running a 100-metre race with varying speed
	☒	2. A train moving at a constant speed on a straight track
	☒	3. A ball rolling down a slope
	☒	4. A vehicle moving through a crowded area
Question Type : MCQ Question ID : 441009153530 Option 1 ID : 441009609292 Option 2 ID : 441009609290 Option 3 ID : 441009609293 Option 4 ID : 441009609291 Status : Answered Chosen Option : 2		

Q.6	If the sum of lengths of two adjacent sides of a parallelogram is 12 cm, then the perimeter of the parallelogram is:
4	
Ans	✖ 1. 20 cm ✖ 2. 36 cm ✖ 3. 34 cm ✔ 4. 24 cm
Question Type : MCQ Question ID : 441009153673 Option 1 ID : 441009609863 Option 2 ID : 441009609864 Option 3 ID : 441009609865 Option 4 ID : 441009609862 Status : Answered Chosen Option : 4	
Q.6	In a business, Tushar invests in ₹10,000 and Salil invests in ₹20,000. Tushar received 10% of the profit for managing the business and the rest of the profit is divided in the ratio of their capitals. Find Tushar's share of the profit (in ₹) in a profit of ₹14,400.
5	
Ans	✖ 1. 5,510 ✖ 2. 5,910 ✔ 3. 5,760 ✖ 4. 5,610
Question Type : MCQ Question ID : 441009153601 Option 1 ID : 441009609575 Option 2 ID : 441009609577 Option 3 ID : 441009609574 Option 4 ID : 441009609576 Status : Answered Chosen Option : 3	
Q.6	The heat developed in a 5 ohm resistor in 2 minutes when a 2A current passes through it is _____.
6	
Ans	✔ 1. 2400 J ✖ 2. 1000 J ✖ 3. 500 J ✖ 4. 40 J
Question Type : MCQ Question ID : 441009153491 Option 1 ID : 441009609137 Option 2 ID : 441009609134 Option 3 ID : 441009609135 Option 4 ID : 441009609136 Status : Answered Chosen Option : 4	

Q.6	একটি শহরে ট্যাক্সি ভাড়ায় কিছু ফিক্সড চার্জ নেওয়া হয় এবং তার সঙ্গে প্রতি km দূরত্বের জন্যেও একটি চার্জ নেওয়া হয়। যদি 35 km দূরত্বের জন্যে নেওয়া চার্জ ₹375 এবং 48 km দূরত্বের জন্যে নেওয়া চার্জ ₹427 হয়, তাহলে ফিক্সড চার্জ এবং km প্রতি চার্জ (₹ এ) যথাক্রমে কত?
Ans	✗ 1. 220 এবং 6 ✗ 2. 227 এবং 5 ✗ 3. 275 এবং 3 ✓ 4. 235 এবং 4

Question Type :	MCQ
Question ID :	441009153584
Option 1 ID :	441009609506
Option 2 ID :	441009609507
Option 3 ID :	441009609509
Option 4 ID :	441009609508
Status :	Answered
Chosen Option :	4

Q.6	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair)
Ans	✗ 1. DW – YA ✓ 2. WP – RS ✗ 3. SL – NP ✗ 4. MF – HJ

Question Type :	MCQ
Question ID :	441009155645
Option 1 ID :	441009617749
Option 2 ID :	441009617748
Option 3 ID :	441009617750
Option 4 ID :	441009617747
Status :	Answered
Chosen Option :	2

Q.6 9	A person saves 50% of his income. If his expenditure is ₹640, then his income (in ₹) is:	
Ans	✗ 1. 600	
	✗ 2. 1,320	
	✓ 3. 1,280	
	✗ 4. 560	
Question Type : MCQ Question ID : 441009153622 Option 1 ID : 441009609659 Option 2 ID : 441009609661 Option 3 ID : 441009609658 Option 4 ID : 441009609660 Status : Answered Chosen Option : 3		
Q.7 0	In a certain code language, 'BORE' is coded as '8624' and 'TABS' is coded as '3217'. What is the code for 'B' in the given code language?	
Ans	✗ 1. 7	
	✓ 2. 2	
	✗ 3. 8	
	✗ 4. 1	
Question Type : MCQ Question ID : 441009155624 Option 1 ID : 441009617665 Option 2 ID : 441009617663 Option 3 ID : 441009617666 Option 4 ID : 441009617664 Status : Answered Chosen Option : 2		
Q.7 1	How do we find absolute error?	
Ans	✗ 1. Absolute error = Actual value + observed value	
	✓ 2. Absolute error = Actual value – observed value	
	✗ 3. Absolute error = Actual value × observed value	
	✗ 4. Absolute error = Actual value/observed value	
Question Type : MCQ Question ID : 441009153558 Option 1 ID : 441009609403 Option 2 ID : 441009609402 Option 3 ID : 441009609404 Option 4 ID : 441009609405 Status : Answered Chosen Option : 2		

Q.7 2	Find the value of $x^2 + y^2$, given that, $x = 7 + \sqrt{1}$, $y = 7 - \sqrt{1}$.
Ans	✖ 1. 98 ✖ 2. 56 ✔ 3. 100 ✖ 4. 69
Question Type : MCQ Question ID : 441009153616 Option 1 ID : 441009609636 Option 2 ID : 441009609635 Option 3 ID : 441009609634 Option 4 ID : 441009609637 Status : Answered Chosen Option : 1	
Q.7 3	Two trains of lengths 155 m and 160 m are running at speeds of 74 km/hr and 52 km/hr, respectively, on parallel tracks in opposite directions. In how many seconds will they pass each other?
Ans	✖ 1. 14 seconds ✖ 2. 18 seconds ✖ 3. 7 seconds ✔ 4. 9 seconds
Question Type : MCQ Question ID : 441009153640 Option 1 ID : 441009609732 Option 2 ID : 441009609730 Option 3 ID : 441009609731 Option 4 ID : 441009609733 Status : Answered Chosen Option : 4	

Q.7 4	Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern. JK - LM - NO TU - VW - XY	
Ans	☒ 1. WE - DF - HI	
	☒ 2. DE - FB - DF	
	☒ 3. DE - FG - HI	
	☒ 4. DE - FG - KL	

Question Type :	MCQ
Question ID :	441009155650
Option 1 ID :	441009617770
Option 2 ID :	441009617769
Option 3 ID :	441009617767
Option 4 ID :	441009617768
Status :	Answered
Chosen Option :	3

Q.7 5	নিচের কোন গ্রুপটি আপনার পরিবাহীগুলিকে কে উপস্থাপন করে?	
Ans	☒ 1. অ্যালুমিনিয়াম, প্লাস্টিক, কাঠ	
	☒ 2. কাগজ, তামা, প্লাস্টিক	
	☒ 3. অ্যালুমিনিয়াম, রূপা, তামা	
	☒ 4. কাঠ, কাগজ, রূপা	

Question Type :	MCQ
Question ID :	441009154521
Option 1 ID :	441009613247
Option 2 ID :	441009613249
Option 3 ID :	441009613248
Option 4 ID :	441009613246
Status :	Answered
Chosen Option :	3

Q.7 6	Pihu starts her car at 9 a.m. to reach her office, which is 20 km away. She covers the first 10 km in 30 minutes and reaches her office at 10 a.m. Pihu's motion is _____.	
Ans	☒ 1. accelerated motion	
	☒ 2. uniform motion	
	☒ 3. retarded motion	
	☒ 4. non-uniform motion	

Question Type :	MCQ
Question ID :	441009153496
Option 1 ID :	441009609156
Option 2 ID :	441009609154
Option 3 ID :	441009609157
Option 4 ID :	441009609155
Status :	Answered
Chosen Option :	2

Q.7 7	Seema is twice as old as Alka. If nine years is subtracted from Alka's age and six years is added to Seema's age, then Seema will be four times Alka's age. How old was Alka three years ago?
Ans	☒ 1. 21 years ☒ 2. 16 years ☒ 3. 20 years ☒ 4. 18 years
Question Type : MCQ Question ID : 441009153587 Option 1 ID : 441009609518 Option 2 ID : 441009609521 Option 3 ID : 441009609519 Option 4 ID : 441009609520 Status : Answered Chosen Option : 4	
Q.7 8	আদিত্য শীতকালে নিজেকে উষ্ণ রাখার জন্য একটি মোটা কম্বলের পরিবর্তে দুটি পাতলা কম্বল ব্যবহার করছে কারণ _____।
Ans	☒ 1. কম্বলের মধ্যে আটকে থাকা বাতাস তাপের কুপরিবাহী ☒ 2. দুটি কম্বলের মধ্যে ঘর্ষণ তাপ উৎপন্ন করে ☒ 3. দুটি কম্বল একটি পুরু কম্বলের চেয়ে সস্তা ☒ 4. পার্শ্ববর্তী পরিবেশের তুলনায় কম্বলগুলির তাপমাত্রা বেশি
Question Type : MCQ Question ID : 441009154516 Option 1 ID : 441009613227 Option 2 ID : 441009613228 Option 3 ID : 441009613226 Option 4 ID : 441009613229 Status : Answered Chosen Option : 1	
Q.7 9	What is the main function of the Transport Layer in the internet architecture?
Ans	☒ 1. Data encapsulation ☒ 2. Reliable data transfer and error correction ☒ 3. IP addressing ☒ 4. Routing of packets
Question Type : MCQ Question ID : 441009156670 Option 1 ID : 441009621843 Option 2 ID : 441009621845 Option 3 ID : 441009621846 Option 4 ID : 441009621844 Status : Answered Chosen Option : 4	

Q.8 0	একই তাপমাত্রার দুটি বস্তু একে অপরের সংস্পর্শে থাকলে নিচের কোন বিকল্পটি সঠিক হবে?
Ans	✖ 1. বস্তু 2 থেকে বস্তু 1 এ তাপ স্থানান্তরিত হয়। ✔ 2. কোনো তাপ স্থানান্তরিত হয় না। ✖ 3. বস্তু 1 থেকে বস্তু 2 এ তাপ স্থানান্তরিত হয়। ✖ 4. উভয় বস্তু একে অপরের সঙ্গে তাপ বিনিময় করে।
Question Type : MCQ Question ID : 441009154526 Option 1 ID : 441009613267 Option 2 ID : 441009613268 Option 3 ID : 441009613266 Option 4 ID : 441009613269 Status : Answered Chosen Option : 2	
Q.8 1	How many significant figures are there in 4.700 m?
Ans	✖ 1. 2 ✖ 2. 3 ✔ 3. 4 ✖ 4. 1
Question Type : MCQ Question ID : 441009153559 Option 1 ID : 441009609407 Option 2 ID : 441009609408 Option 3 ID : 441009609409 Option 4 ID : 441009609406 Status : Answered Chosen Option : 2	
Q.8 2	The list price of an article is ₹5,000 and a discount of 70% is offered on the list price. What additional discount per cent on the already discounted price must be offered to a customer to bring the net selling price to ₹1,275?
Ans	✖ 1. 16% ✔ 2. 15% ✖ 3. 18% ✖ 4. 10%
Question Type : MCQ Question ID : 441009153608 Option 1 ID : 441009609605 Option 2 ID : 441009609602 Option 3 ID : 441009609604 Option 4 ID : 441009609603 Status : Marked For Review Chosen Option : 2	

Q.8	Which of the following is a poor conductor of heat?
3	
Ans	☒ 1. Aluminium rod ☒ 2. Steel spoon ☒ 3. Wool ☒ 4. Copper

Question Type :	MCQ
Question ID :	441009154517
Option 1 ID :	441009613233
Option 2 ID :	441009613232
Option 3 ID :	441009613231
Option 4 ID :	441009613230
Status :	Answered
Chosen Option :	3

Q.8	How many base units are given in the SI system?
4	
Ans	☒ 1. 7 ☒ 2. 11 ☒ 3. 3 ☒ 4. 9

Question Type :	MCQ
Question ID :	441009153557
Option 1 ID :	441009609399
Option 2 ID :	441009609401
Option 3 ID :	441009609398
Option 4 ID :	441009609400
Status :	Answered
Chosen Option :	1

Q.8	I, J, K, L, U, V এবং W প্রত্যেকেরই একই সপ্তাহের বিভিন্ন দিনে পরীক্ষা আছে। যেটি সোমবার থেকে শুরু হয়ে ওই সপ্তাহের রবিবারে শেষ হয়। J এর পরীক্ষা আছে শুক্রবারে। V এবং J এর মাঝে শুধুমাত্র দুইজনের পরীক্ষা আছে। L এবং V এর মাঝে শুধুমাত্র চার জনের পরীক্ষা আছে। W এর ঠিক পরে U এর পরীক্ষা আছে। সোমবারে K এর পরীক্ষা নেই। K এর আগে এবং I এর পরে কতজনের পরীক্ষা আছে?
5	
Ans	☒ 1. তিন ☒ 2. এক ☒ 3. দুই ☒ 4. চার

Question Type :	MCQ
Question ID :	441009155662
Option 1 ID :	441009617817
Option 2 ID :	441009617815
Option 3 ID :	441009617816
Option 4 ID :	441009617818
Status :	Answered
Chosen Option :	4

Q.8	Ampere is the SI unit of _____.
6	
Ans	✖ 1. electric power ✔ 2. electric current ✖ 3. electric charge ✖ 4. mass
Question Type : MCQ Question ID : 441009153556 Option 1 ID : 441009609395 Option 2 ID : 441009609396 Option 3 ID : 441009609397 Option 4 ID : 441009609394 Status : Answered Chosen Option : 2	
Q.8	Simran rides a distance of 60 m in one minute and then returns along the same straight path. The average velocity of her ride is _____.
7	
Ans	✖ 1. 2 m/s ✖ 2. 1 m/s ✖ 3. 60 m/s ✔ 4. 0 m/s
Question Type : MCQ Question ID : 441009153494 Option 1 ID : 441009609146 Option 2 ID : 441009609149 Option 3 ID : 441009609148 Option 4 ID : 441009609147 Status : Answered Chosen Option : 4	
Q.8	Jaspreet deposited a sum of ₹12,800 at 5% rate of interest per annum, compounded annually. The total amount (in ₹) received by Jaspreet after 2 years will be:
8	
Ans	✖ 1. 14,442 ✖ 2. 13,997 ✖ 3. 14,512 ✔ 4. 14,112
Question Type : MCQ Question ID : 441009153606 Option 1 ID : 441009609597 Option 2 ID : 441009609595 Option 3 ID : 441009609596 Option 4 ID : 441009609594 Status : Answered Chosen Option : 4	

Q.8 9	The energy possessed by an object by virtue of its motion is known as _____.	
Ans	✗ 1. potential energy ✗ 2. light energy ✓ 3. kinetic energy ✗ 4. heat energy	
Question Type : MCQ Question ID : 441009153499 Option 1 ID : 441009609168 Option 2 ID : 441009609166 Option 3 ID : 441009609169 Option 4 ID : 441009609167 Status : Answered Chosen Option : 3		
Q.9 0	An object of mass m is made to fall freely from a height h . As the object continues to fall, what will happen to its energy?	
Ans	✗ 1. The potential energy would increase while the kinetic energy would decrease. ✗ 2. The potential energy and kinetic energy will both increase. ✗ 3. The kinetic energy and potential energy will not change. ✓ 4. The potential energy would decrease while the kinetic energy would increase.	
Question Type : MCQ Question ID : 441009153509 Option 1 ID : 441009609208 Option 2 ID : 441009609206 Option 3 ID : 441009609207 Option 4 ID : 441009609209 Status : Answered Chosen Option : 4		
Q.9 1	জীবাস্ব জ্বালানির পরিবর্তে সৌরশক্তি ব্যবহারের প্রধান সুবিধা কী?	
Ans	✗ 1. সৌরশক্তি ব্যবহার করলে গ্রিনহাউস গ্যাসের নির্গমন বেশি হয়। ✗ 2. জীবাস্ব জ্বালানির তুলনায় সৌরশক্তি উৎপাদনের জন্য অধিক পরিচালন খরচ প্রয়োজন হয়। ✗ 3. সৌরশক্তির জন্য খনন ও উত্তোলনের প্রয়োজন হয়, অন্যদিকে জীবাস্ব জ্বালানি বিনামূল্যে পাওয়া যায়। ✓ 4. সৌরশক্তি প্রচুর পরিমাণে পাওয়া যায় এবং প্রকৃতিতে পুনর্নবীকরণযোগ্য।	
Question Type : MCQ Question ID : 441009158533 Option 1 ID : 441009629069 Option 2 ID : 441009629067 Option 3 ID : 441009629070 Option 4 ID : 441009629068 Status : Answered Chosen Option : 4		

Q.9 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in 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/subtracting/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.)

24 – 48 – 108 – 36; 18 – 36 – 96 – 32

Ans ☒ 1. 48 – 96 – 156 – 52

☐ 2. 53 – 106 – 166 – 55

☐ 3. 132 – 264 – 444 – 138

☐ 4. 82 – 139 – 234 – 78

Question Type : MCQ

Question ID : 441009155596

Option 1 ID : 441009617553

Option 2 ID : 441009617554

Option 3 ID : 441009617552

Option 4 ID : 441009617551

Status : Answered

Chosen Option : 1

Q.9 How fast should a cat of mass 15 kg run in order to have a kinetic energy of 120 J?
3

Ans ☐ 1. 40 m/s

☐ 2. 0.16 m/s

☐ 3. 16 m/s

☒ 4. 4 m/s

Question Type : MCQ

Question ID : 441009153510

Option 1 ID : 441009609212

Option 2 ID : 441009609213

Option 3 ID : 441009609210

Option 4 ID : 441009609211

Status : Answered

Chosen Option : 4

Q.9 4 Mangal starts from Point A and walks 14 m towards north. He takes a right turn, walks 9 m and then takes a right turn, walks 37 m, reaches Point B and stops. Jayanti starts from Point Z which is 15 m towards the east of Point B. She walks 11 m towards east, takes a left turn, walks 42 m, turns left and walks 63 m, turns left and walks 19 m and stops at Point Y. What is the shortest distance between Point A and Point Y? (All turns are 90 degree turns only.)

Ans ☒ 1. 28 m

☐ 2. 25 m

☐ 3. 31 m

☐ 4. 26 m

Question Type : MCQ

Question ID : 441009155634

Option 1 ID : 441009617703

Option 2 ID : 441009617704

Option 3 ID : 441009617706

Option 4 ID : 441009617705

Status : Answered

Chosen Option : 1

Q.9 5 In a clearance sale of electronic items, an item whose marked price was ₹12,225 is now sold for ₹10,758, d% is the discount percentage on the item. The value of d is:

Ans ☐ 1. 13%

☐ 2. 11%

☐ 3. 14%

☒ 4. 12%

Question Type : MCQ

Question ID : 441009153603

Option 1 ID : 441009609584

Option 2 ID : 441009609583

Option 3 ID : 441009609585

Option 4 ID : 441009609582

Status : Marked For Review

Chosen Option : 4

Q.9	What should come in place of the question mark (?) in the given series?
6	87 118 149 ? 211 242
Ans	✖ 1. 199 ✖ 2. 171 ✖ 3. 188 ✔ 4. 180
Question Type : MCQ Question ID : 441009155605 Option 1 ID : 441009617590 Option 2 ID : 441009617587 Option 3 ID : 441009617589 Option 4 ID : 441009617588 Status : Answered Chosen Option : 4	
Q.9	A boy goes to school at a speed of 5 km/hr. He returns at a speed of 14 km/hr. He takes a total of 8 hours for both going to school and returning. The distance (in km) between his home and school is:
7	
Ans	✖ 1. 31 ✖ 2. 28.6 ✔ 3. 29.5 ✖ 4. 27
Question Type : MCQ Question ID : 441009153599 Option 1 ID : 441009609569 Option 2 ID : 441009609567 Option 3 ID : 441009609566 Option 4 ID : 441009609568 Status : Answered Chosen Option : 3	

Q.9 In a certain code language,
8 'A × B' means 'A is the son of B',
'A – B' means 'A is the brother of B',
'A + B' means 'A is the wife of B' and
'A % B' means 'A is the father of B'.

How is M related to T if 'M × N % P + S – T'?

Ans ☒ 1. Brother's wife's father's father

☒ 2. Brother's wife's father

☒ 3. Brother's wife's father's brother

☒ 4. Brother's wife's brother

Question Type :	MCQ
Question ID :	441009155668
Option 1 ID :	441009617842
Option 2 ID :	441009617840
Option 3 ID :	441009617841
Option 4 ID :	441009617839
Status :	Answered
Chosen Option :	4

Q.9 9 অব্যবহৃত বৈদ্যুতিক যন্ত্রগুলি বন্ধ করে দেওয়া, কীভাবে বিদ্যুৎশক্তি সংরক্ষণে অবদান রাখে?

Ans ☒ 1. বৈদ্যুতিক যন্ত্রগুলির অবনতি ঘটিয়ে

☒ 2. ইউটিলিটি বিল কমিয়ে

☒ 3. যন্ত্রগুলির কর্মক্ষমতা উন্নত করে

☒ 4. বিদ্যুৎশক্তির ব্যবহার বৃদ্ধি করে

Question Type :	MCQ
Question ID :	441009158537
Option 1 ID :	441009629085
Option 2 ID :	441009629084
Option 3 ID :	441009629086
Option 4 ID :	441009629083
Status :	Answered
Chosen Option :	3

Q.1 00	Match the following. (A) Continuous thick lines (P) Projection lines (B) Hidden lines (Q) Principal lines (C) Outlines (R) Dotted lines (D) Extension lines (S) Object lines
Ans	✓ 1. A-S, B-R, C-Q, D-P ✗ 2. A-R, B-S, C-Q, D-P ✗ 3. A-P, B-R, C-Q, D-S ✗ 4. A-S, B-R, C-P, D-Q

Question Type : MCQ

Question ID : 441009156541

Option 1 ID : 441009621327

Option 2 ID : 441009621330

Option 3 ID : 441009621328

Option 4 ID : 441009621329

Status : Answered

Chosen Option : 1

Section : PART-B

Q.1	Which of the following is INCORRECT about line standard?
Ans	✗ 1. Quick measurements over a wide range ✗ 2. Subject to parallax error ✓ 3. More accurate due to line thickness ✗ 4. Used to measure the distance between two engraved lines

Question Type : MCQ

Question ID : 441009156627

Option 1 ID : 441009621673

Option 2 ID : 441009621674

Option 3 ID : 441009621672

Option 4 ID : 441009621671

Status : Answered

Chosen Option : 2

Q.2	According to Ohm's Law, how is current related to voltage and resistance?
Ans	✗ 1. It is inversely proportional to voltage and resistance.
	✓ 2. It is directly proportional to voltage and inversely proportional to resistance.
	✗ 3. It has no relation with voltage or resistance.
	✗ 4. It is directly proportional to voltage and resistance.

Question Type :	MCQ
Question ID :	441009156921
Option 1 ID :	441009622848
Option 2 ID :	441009622847
Option 3 ID :	441009622850
Option 4 ID :	441009622849
Status :	Answered
Chosen Option :	2

Q.3	The energy stored (W) in an inductor is given by the formula _____, where C = Capacitance, V= Voltage, I = Current, and L= inductance.
Ans	✗ 1. $W = LI$
	✓ 2. $W = \frac{1}{2}LI^2$
	✗ 3. $W = \frac{1}{2}CV^2$
	✗ 4. $W = \frac{1}{2}VI$

Question Type :	MCQ
Question ID :	441009156833
Option 1 ID :	441009622497
Option 2 ID :	441009622496
Option 3 ID :	441009622495
Option 4 ID :	441009622498
Status :	Answered
Chosen Option :	2

Q.4	একটি NTC টাইপ থার্মিস্টর এবং একটি স্থির রোধক (fixed resistor) যুক্ত একটি বর্তনী DC পাওয়ার সাপ্লাইয়ের সঙ্গে শ্রেণি সমবায়ে সংযুক্ত আছে। তাপমাত্রা বৃদ্ধি পেলে আউটপুট ভোল্টেজে কী পরিবর্তন হবে?
Ans	✗ 1. আউটপুট ভোল্টেজ ফ্রবক থাকবে। ✗ 2. রোধকের মানের (resistor value) উপর নির্ভর করে আউটপুট ভোল্টেজের মান ঠানামা করবে। ✓ 3. আউটপুট ভোল্টেজ বাড়বে। ✗ 4. আউটপুট ভোল্টেজ কমে যাবে।

Question Type :	MCQ
Question ID :	441009156523
Option 1 ID :	441009621257
Option 2 ID :	441009621258
Option 3 ID :	441009621256
Option 4 ID :	441009621255
Status :	Answered
Chosen Option :	3

Q.5	Which electrical component is used to perform a polarity test to check whether or not the switches are connected in phase/live cable?
Ans	✓ 1. Test lamp ✗ 2. Ammeter ✗ 3. Multimeter ✗ 4. Megger

Question Type :	MCQ
Question ID :	441009156905
Option 1 ID :	441009622784
Option 2 ID :	441009622786
Option 3 ID :	441009622783
Option 4 ID :	441009622785
Status :	Answered
Chosen Option :	1

Q.6	DC জেনারেটরে হঠাৎ ইনসুলেশন রেজিস্ট্যান্সের প্রধান কারণ কী?
Ans	✗ 1. উচ্চ পারিপার্শ্বিক তাপমাত্রা ✗ 2. রোটেশনাল স্পিড বৃদ্ধি ✓ 3. আর্দ্রতা প্রবেশ বা দূষণ ✗ 4. অতিরিক্ত আর্মেচার কারেন্ট

Question Type :	MCQ
Question ID :	441009156823
Option 1 ID :	441009622456
Option 2 ID :	441009622458
Option 3 ID :	441009622457
Option 4 ID :	441009622455
Status :	Answered
Chosen Option :	4

Q.7	Sine bars are used when a high degree of accuracy less than _____ is needed for measuring angles.																	
Ans	☒ 1. 1 minute																	
	☐ 2. 1 degree																	
	☐ 3. 30 degrees																	
	☐ 4. 30 minutes																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009240890</td></tr><tr><td>Option 1 ID :</td><td>441009941517</td></tr><tr><td>Option 2 ID :</td><td>441009941518</td></tr><tr><td>Option 3 ID :</td><td>441009941520</td></tr><tr><td>Option 4 ID :</td><td>441009941519</td></tr><tr><td>Status :</td><td>Not Answered</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009240890	Option 1 ID :	441009941517	Option 2 ID :	441009941518	Option 3 ID :	441009941520	Option 4 ID :	441009941519	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009240890																	
Option 1 ID :	441009941517																	
Option 2 ID :	441009941518																	
Option 3 ID :	441009941520																	
Option 4 ID :	441009941519																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.8	In pipe earthing, what is used to connect the earthing conductor to the pipe?																	
Ans	☐ 1. Soldering																	
	☒ 2. Welding																	
	☐ 3. Tape																	
	☐ 4. Bolts and nuts																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156838</td></tr><tr><td>Option 1 ID :</td><td>441009622516</td></tr><tr><td>Option 2 ID :</td><td>441009622515</td></tr><tr><td>Option 3 ID :</td><td>441009622518</td></tr><tr><td>Option 4 ID :</td><td>441009622517</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009156838	Option 1 ID :	441009622516	Option 2 ID :	441009622515	Option 3 ID :	441009622518	Option 4 ID :	441009622517	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156838																	
Option 1 ID :	441009622516																	
Option 2 ID :	441009622515																	
Option 3 ID :	441009622518																	
Option 4 ID :	441009622517																	
Status :	Answered																	
Chosen Option :	4																	
Q.9	What should be the position of the 'OFF' marking on a fireman's switch?																	
Ans	☒ 1. At the top																	
	☐ 2. In the centre																	
	☐ 3. At the bottom																	
	☐ 4. On the side																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156903</td></tr><tr><td>Option 1 ID :</td><td>441009622776</td></tr><tr><td>Option 2 ID :</td><td>441009622777</td></tr><tr><td>Option 3 ID :</td><td>441009622775</td></tr><tr><td>Option 4 ID :</td><td>441009622778</td></tr><tr><td>Status :</td><td>Not Answered</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156903	Option 1 ID :	441009622776	Option 2 ID :	441009622777	Option 3 ID :	441009622775	Option 4 ID :	441009622778	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156903																	
Option 1 ID :	441009622776																	
Option 2 ID :	441009622777																	
Option 3 ID :	441009622775																	
Option 4 ID :	441009622778																	
Status :	Not Answered																	
Chosen Option :	--																	

Q.1 0	A 100-mm centre-punch could have a 10-mm diameter body and a 6-mm diameter point ground to an angle of _____.																	
Ans	☒ 1. 60° ☒ 2. 120° ☒ 3. 30° ☒ 4. 90°																	
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009161829</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009640970</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009640972</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009640969</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009640971</td> </tr> <tr> <td>Status :</td> <td>Not Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>--</td> </tr> </table>			Question Type :	MCQ	Question ID :	441009161829	Option 1 ID :	441009640970	Option 2 ID :	441009640972	Option 3 ID :	441009640969	Option 4 ID :	441009640971	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009161829																	
Option 1 ID :	441009640970																	
Option 2 ID :	441009640972																	
Option 3 ID :	441009640969																	
Option 4 ID :	441009640971																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.1 1	What is the primary purpose of shielding in electrical cables?																	
Ans	☒ 1. To increase the voltage capacity of the cable ☒ 2. To prevent heat loss from the cable ☒ 3. To increase the current-carrying capacity of the cable ☒ 4. To protect the cable from external electromagnetic interference																	
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156531</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621287</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621288</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621290</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621289</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>4</td> </tr> </table>			Question Type :	MCQ	Question ID :	441009156531	Option 1 ID :	441009621287	Option 2 ID :	441009621288	Option 3 ID :	441009621290	Option 4 ID :	441009621289	Status :	Answered	Chosen Option :	4
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Question ID :	441009156531																	
Option 1 ID :	441009621287																	
Option 2 ID :	441009621288																	
Option 3 ID :	441009621290																	
Option 4 ID :	441009621289																	
Status :	Answered																	
Chosen Option :	4																	
Q.1 2	DC মোটর রিওয়াইন্ড করার প্রথম ধাপ কী?																	
Ans	☒ 1. স্লটে নতুন কয়েল প্রবিস্ট করা ☒ 2. কয়েল ওয়াইন্ডিং মেশিন প্রস্তুত করা ☒ 3. ব্রাশের জন্য আর্মেচার পরীক্ষা করা ☒ 4. পুরাতন ওয়াইন্ডিং স্ট্রিপ করা																	
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156759</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009622202</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009622200</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009622201</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009622199</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>4</td> </tr> </table>			Question Type :	MCQ	Question ID :	441009156759	Option 1 ID :	441009622202	Option 2 ID :	441009622200	Option 3 ID :	441009622201	Option 4 ID :	441009622199	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156759																	
Option 1 ID :	441009622202																	
Option 2 ID :	441009622200																	
Option 3 ID :	441009622201																	
Option 4 ID :	441009622199																	
Status :	Answered																	
Chosen Option :	4																	

Q.1 3	The voltage regulation in percentage for transformer is given by:																	
Ans	✖ 1. Voltage regulation = $\frac{V_{\text{noload}} - V_{\text{load}}}{V_{\text{noload}}} \times 100$ ✔ 2. Voltage regulation = $\frac{V_{\text{noload}} - V_{\text{load}}}{V_{\text{load}}} \times 100$ ✖ 3. Voltage regulation = $\frac{V_{\text{noload}} - V_{\text{noload}}}{V_{\text{load}}} \times 100$ ✖ 4. Voltage regulation = $\frac{V_{\text{load}} - V_{\text{noload}}}{V_{\text{load}}} \times 100$	<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156875</td></tr><tr><td>Option 1 ID :</td><td>441009622666</td></tr><tr><td>Option 2 ID :</td><td>441009622663</td></tr><tr><td>Option 3 ID :</td><td>441009622664</td></tr><tr><td>Option 4 ID :</td><td>441009622665</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>2</td></tr></table>	Question Type :	MCQ	Question ID :	441009156875	Option 1 ID :	441009622666	Option 2 ID :	441009622663	Option 3 ID :	441009622664	Option 4 ID :	441009622665	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156875																	
Option 1 ID :	441009622666																	
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Option 3 ID :	441009622664																	
Option 4 ID :	441009622665																	
Status :	Answered																	
Chosen Option :	2																	
Q.1 4	ইঞ্জিনিয়ারিং ড্রয়িং এ নন-ফাংশনাল ডাইমেনশন (NF) সম্পর্কে কোন বিবৃতিটি সত্য? বিবৃতি 1: নন-ফাংশনাল ডাইমেনশনগুলিকে সীমাহীন হিসেবে দেখানো হয়, কারণ এগুলি উপাদান বা স্থানের কার্যকারিতাকে (functionality) প্রভাবিত করে না। বিবৃতি 2: নন-ফাংশনাল ডাইমেনশনগুলি সাধারণত রেফারেন্সের উদ্দেশ্যেই ব্যবহৃত হয় এবং উপাদান বা স্থানের সমাবেশ (assembly) বা কর্মক্ষমতাকে (performance) প্রভাবিত করে না।																	
Ans	✖ 1. দুটি বিবৃতিই সত্য ✔ 2. শুধু বিবৃতি 2 সত্য ✖ 3. শুধু বিবৃতি 1 সত্য ✖ 4. কোনো বিবৃতিই সত্য নয়	<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156567</td></tr><tr><td>Option 1 ID :</td><td>441009621433</td></tr><tr><td>Option 2 ID :</td><td>441009621432</td></tr><tr><td>Option 3 ID :</td><td>441009621431</td></tr><tr><td>Option 4 ID :</td><td>441009621434</td></tr><tr><td>Status :</td><td>Not Answered</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156567	Option 1 ID :	441009621433	Option 2 ID :	441009621432	Option 3 ID :	441009621431	Option 4 ID :	441009621434	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156567																	
Option 1 ID :	441009621433																	
Option 2 ID :	441009621432																	
Option 3 ID :	441009621431																	
Option 4 ID :	441009621434																	
Status :	Not Answered																	
Chosen Option :	--																	

Q.1 5	Which of the following care and maintenance of a marking table is INCORRECT?																	
Ans	1. The marking table should be protected from rust. 2. After use, the marking table should be cleaned with a soft cloth. 3. The marking table should be protected from damage. 4. The surface of the marking table should not be given a thin layer of oil.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156628</td></tr><tr><td>Option 1 ID :</td><td>441009621678</td></tr><tr><td>Option 2 ID :</td><td>441009621676</td></tr><tr><td>Option 3 ID :</td><td>441009621675</td></tr><tr><td>Option 4 ID :</td><td>441009621677</td></tr><tr><td>Status :</td><td>Not Answered</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156628	Option 1 ID :	441009621678	Option 2 ID :	441009621676	Option 3 ID :	441009621675	Option 4 ID :	441009621677	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156628																	
Option 1 ID :	441009621678																	
Option 2 ID :	441009621676																	
Option 3 ID :	441009621675																	
Option 4 ID :	441009621677																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.1 6	Read the Assertion (A) and Reason (R) carefully, and select the correct option. Assertion (A): The earth resistance must be kept as low as possible to ensure that the earthing system is effective during fault conditions. Reason (R): A low resistance allows fault current to flow easily into the ground, ensuring safety by preventing electrical hazards.																	
Ans	1. Both Assertion (A) and Reason (R) are correct, but the reason does not correctly explain the assertion. 2. Assertion (A) is correct, but Reason (R) is incorrect. 3. Assertion (A) is incorrect, but Reason (R) is correct. 4. Both Assertion (A) and Reason (R) are correct, and the reason correctly explains the assertion.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156808</td></tr><tr><td>Option 1 ID :</td><td>441009622396</td></tr><tr><td>Option 2 ID :</td><td>441009622397</td></tr><tr><td>Option 3 ID :</td><td>441009622398</td></tr><tr><td>Option 4 ID :</td><td>441009622395</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009156808	Option 1 ID :	441009622396	Option 2 ID :	441009622397	Option 3 ID :	441009622398	Option 4 ID :	441009622395	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156808																	
Option 1 ID :	441009622396																	
Option 2 ID :	441009622397																	
Option 3 ID :	441009622398																	
Option 4 ID :	441009622395																	
Status :	Answered																	
Chosen Option :	4																	

Q.1 7	Which of the following screwdrivers has cross-shaped tips that are unlikely to slip from the cruciform slots in Philips recessed head screws?
Ans	☒ 1. Offset screwdriver ☒ 2. Cross-recess screwdriver ☒ 3. Stumpy screwdriver ☒ 4. Ratchet screwdriver
Question Type : MCQ Question ID : 441009156638 Option 1 ID : 441009621716 Option 2 ID : 441009621715 Option 3 ID : 441009621718 Option 4 ID : 441009621717 Status : Answered Chosen Option : 2	
Q.1 8	In crane and hoist applications, why is a DC series motor preferred over a DC shunt motor?
Ans	☒ 1. It consumes less power at no load. ☒ 2. It provides a high starting torque, which is required for lifting loads. ☒ 3. It requires minimal maintenance compared to other motors. ☒ 4. It maintains constant speed regardless of load variations.
Question Type : MCQ Question ID : 441009156812 Option 1 ID : 441009622413 Option 2 ID : 441009622411 Option 3 ID : 441009622414 Option 4 ID : 441009622412 Status : Answered Chosen Option : 2	
Q.1 9	In a transformer, insulation resistance test is carried out to measure:
Ans	☒ 1. the inductance between different parts of the transformer ☒ 2. the resistance of the insulation between windings and core ☒ 3. magnetic flux ☒ 4. frequency
Question Type : MCQ Question ID : 441009156892 Option 1 ID : 441009622731 Option 2 ID : 441009622733 Option 3 ID : 441009622732 Option 4 ID : 441009622734 Status : Answered Chosen Option : 2	

Q.2 0	আর্থিং সিস্টেম পরিমাপ প্রসঙ্গে, 'আর্থ রেজিস্ট্যান্স' বলতে কী বোঝায়?	
Ans	✗ 1. 1 মিটার দূরত্বে ভূমির যে কোনও দুটি পয়েন্টের মধ্যে রোধ ✓ 2. মাটির, কারেন্ট প্রবাহ রোধ করার ক্ষমতা ✗ 3. আর্থিং সিস্টেম সক্রিয় করার জন্য প্রয়োজনীয় ভোল্টেজ ✗ 4. লাইভ ওয়্যার এবং মাটির মধ্যে রোধ	
		Question Type : MCQ Question ID : 441009156842 Option 1 ID : 441009622534 Option 2 ID : 441009622531 Option 3 ID : 441009622532 Option 4 ID : 441009622533 Status : Answered Chosen Option : 4
Q.2 1	The back pitch of an armature winding affects:	
Ans	✓ 1. the distribution of the armature winding ✗ 2. the type of winding used ✗ 3. the number of commutator segments ✗ 4. the number of coils per pole	
		Question Type : MCQ Question ID : 441009240836 Option 1 ID : 441009941302 Option 2 ID : 441009941304 Option 3 ID : 441009941303 Option 4 ID : 441009941301 Status : Answered Chosen Option : 1
Q.2 2	গাড়িতে ট্রেডেড টায়ার থাকে কেন?	
Ans	✓ 1. রাস্তায় ঘর্ষণ এবং গ্রিপ বাড়ানোর জন্য ✗ 2. ঘর্ষণ কমানোর জন্য ✗ 3. ওজন কমানোর জন্য ✗ 4. গতি বাড়ানোর জন্য	
		Question Type : MCQ Question ID : 441009156649 Option 1 ID : 441009621760 Option 2 ID : 441009621762 Option 3 ID : 441009621759 Option 4 ID : 441009621761 Status : Answered Chosen Option : 1

Q.2 3	What is the primary reason for the heating effect in a conductor when an electric current passes through it?																	
Ans	☒ 1. The conductor absorbs heat from the surrounding environment.																	
	☒ 2. The movement of electrons causes heat generation.																	
	☒ 3. The movement of protons causes heat generation.																	
	☒ 4. The electric field in the conductor causes heat generation.																	
		<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156524</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621261</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621260</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621259</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621262</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>2</td> </tr> </table>	Question Type :	MCQ	Question ID :	441009156524	Option 1 ID :	441009621261	Option 2 ID :	441009621260	Option 3 ID :	441009621259	Option 4 ID :	441009621262	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156524																	
Option 1 ID :	441009621261																	
Option 2 ID :	441009621260																	
Option 3 ID :	441009621259																	
Option 4 ID :	441009621262																	
Status :	Answered																	
Chosen Option :	2																	
Q.2 4	যানবাহনের রোড টেস্ট পরিচালনার প্রাথমিক কারণ কী?																	
Ans	☒ 1. গাড়িটি কত দ্রুত যেতে পারে তা পরীক্ষা করা																	
	☒ 2. ফ্যুয়েল এফিসিয়েন্সি বৃদ্ধি করা																	
	☒ 3. গাড়িটি নিরাপদে এবং সঠিকভাবে কাজ করছে কিনা তা নিশ্চিত করা																	
	☒ 4. পরিদর্শনের প্রয়োজন এড়াতে																	
		<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156597</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621553</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621551</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621552</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621554</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>3</td> </tr> </table>	Question Type :	MCQ	Question ID :	441009156597	Option 1 ID :	441009621553	Option 2 ID :	441009621551	Option 3 ID :	441009621552	Option 4 ID :	441009621554	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																	
Question ID :	441009156597																	
Option 1 ID :	441009621553																	
Option 2 ID :	441009621551																	
Option 3 ID :	441009621552																	
Option 4 ID :	441009621554																	
Status :	Answered																	
Chosen Option :	3																	
Q.2 5	Which type of measuring instrument is used to measure insulation resistance of transformer?																	
Ans	☒ 1. Wattmeter																	
	☒ 2. Megohmmeter																	
	☒ 3. Energy meter																	
	☒ 4. CRO																	
		<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156771</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009622248</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009622249</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009622250</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009622247</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>2</td> </tr> </table>	Question Type :	MCQ	Question ID :	441009156771	Option 1 ID :	441009622248	Option 2 ID :	441009622249	Option 3 ID :	441009622250	Option 4 ID :	441009622247	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156771																	
Option 1 ID :	441009622248																	
Option 2 ID :	441009622249																	
Option 3 ID :	441009622250																	
Option 4 ID :	441009622247																	
Status :	Answered																	
Chosen Option :	2																	

Q.2 6	The accuracy of measurement by a try square is about:
Ans	✗ 1. 0.004 mm per 10 mm length ✗ 2. 0.001 mm per 10 mm length ✓ 3. 0.002 mm per 10 mm length ✗ 4. 0.02 mm per 10 mm length

Question Type :	MCQ
Question ID :	441009240891
Option 1 ID :	441009941523
Option 2 ID :	441009941521
Option 3 ID :	441009941522
Option 4 ID :	441009941524
Status :	Not Answered
Chosen Option :	--

Q.2 7	180 ডিগ্রির চেয়ে বড়ো কোণকে _____ বলা হয়।
Ans	✗ 1. সূক্ষ্ম কোণ ✗ 2. সমকোণ ✗ 3. স্তূল কোণ ✓ 4. প্রবৃত্ত কোণ

Question Type :	MCQ
Question ID :	441009156539
Option 1 ID :	441009621321
Option 2 ID :	441009621320
Option 3 ID :	441009621319
Option 4 ID :	441009621322
Status :	Answered
Chosen Option :	4

Q.2 8	বার্ন ওয়াইন্ডিং ওয়্যার অপসারণ করার সময় স্ট্যাটার কোরকে ক্ষতি থেকে বাঁচানো কেন গুরুত্বপূর্ণ?
Ans	✗ 1. কোরের ক্ষতির ফলে মোটরের সামগ্রিক আকার বৃদ্ধি পাবে, যার ফলে এর কর্মক্ষমতা প্রভাবিত হবে। ✓ 2. এটি মোটরের দক্ষতা হ্রাস এবং ক্ষতিগ্রস্ত কোর থেকে অচল চৌম্বকীয় প্রবাহ বিতরণের কারণ। ✗ 3. ক্ষতিগ্রস্ত স্টেটর কোর দ্বারা উৎপন্ন অত্যধিক শক্তিশালী যান্ত্রিক কম্পনের ফলে সিস্টেমের অস্থিরতা দেখা দেয়। ✗ 4. স্টেটর কোরকে ক্ষতিগ্রস্ত করে রিওয়াইন্ডিং করা সম্ভব নয়।

Question Type :	MCQ
Question ID :	441009156796
Option 1 ID :	441009622347
Option 2 ID :	441009622348
Option 3 ID :	441009622349
Option 4 ID :	441009622350
Status :	Answered
Chosen Option :	4

Q.2 Transformer oil should have _____ dielectric strength and _____ viscosity.

Ans 1. high; high

✓ 2. high; low

✗ 3. low; high

 4. low; low

Question Type : **MCQ**

Question ID : 441009156888

Option 1 ID :	441009622718
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Option 2 ID : 441009622716

Option 3 ID :	441009622715
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Option 4 ID :	441009622717
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Status :	Answered
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Chosen Option : **2**

Q.3 To minimise core losses in transformer, _____ material is used for core lamination.

Ans 1. glass sheet

 2. plastic

✓ 3. CRGO silicon steel sheet

 4. rubber

Question Type : **MCQ**

Question ID : 441009156780

Option 1 ID :	441009622284
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Option 2 ID : 441009622285

Option 3 ID :	441009622283
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Option 4 ID :	441009622286
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Status :	Answered
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Chosen Option : **3**

Q.3 What is the primary benefit of employing enamelled copper wire in the windings of alternating current motors?

Ans 1. It is more economical than alternative materials.

 2. It diminishes the motor's dimensions.

~~3. It enhances the thermal conductivity of the windings.~~

✓ 4. It offers electrical insulation while maintaining a compact wire configuration.

Question Type : **MCQ**

Question ID : 441009156806

Option 1 ID :	441009622387
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Option 2 ID :	441009622388
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Option 3 ID :	441009622390
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Option 4 ID :	441009622389
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Status :	Answered
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Chosen Option : 4

Q.3 2	What is the objective of testing an earthing system?
Ans	✔ 1. To ensure the system has a low resistance path to the earth ✘ 2. To test the current capacity of the earthing system ✘ 3. To check the voltage levels ✘ 4. To measure the insulation resistance of cables
Question Type : MCQ Question ID : 441009156810 Option 1 ID : 441009622403 Option 2 ID : 441009622406 Option 3 ID : 441009622404 Option 4 ID : 441009622405 Status : Answered Chosen Option : 1	
Q.3 3	A statement and conclusion for pictorial drawing are given below. Determine the logical relationship between them. Statement: Pictorial drawings are three-dimensional and provide a visual representation of an object. Conclusion: Therefore, pictorial drawings are useful for describing the shape of a piece part or component.
Ans	✔ 1. The conclusion logically follows from the statement. ✘ 2. The conclusion is unrelated to the statement. ✘ 3. The conclusion is partially supported by the statement. ✘ 4. The conclusion does not logically follow from the statement.
Question Type : MCQ Question ID : 441009156561 Option 1 ID : 441009621407 Option 2 ID : 441009621410 Option 3 ID : 441009621409 Option 4 ID : 441009621408 Status : Answered Chosen Option : 1	

Q.3 4	For which of the following calipers, a screw and nut are provided for opening and closing the caliper legs?
Ans	☒ 1. Leg and point calipers
	☒ 2. Simple calipers
	☒ 3. Spring joint calipers
	☒ 4. Firm joint calipers
Question Type : MCQ Question ID : 441009156632 Option 1 ID : 441009621693 Option 2 ID : 441009621694 Option 3 ID : 441009621692 Option 4 ID : 441009621691 Status : Not Answered Chosen Option : --	
Q.3 5	The Insulation Resistance value for a transformer is measured in:
Ans	☒ 1. ohms
	☒ 2. megaohms
	☒ 3. kilohms
	☒ 4. KVA
Question Type : MCQ Question ID : 441009156887 Option 1 ID : 441009622713 Option 2 ID : 441009622711 Option 3 ID : 441009622712 Option 4 ID : 441009622714 Status : Answered Chosen Option : 2	
Q.3 6	Which device is used to protect against electric shocks and fires caused by earth leakage currents?
Ans	☒ 1. MCCB
	☒ 2. MCB
	☒ 3. ELCB
	☒ 4. ECB
Question Type : MCQ Question ID : 441009156889 Option 1 ID : 441009622722 Option 2 ID : 441009622719 Option 3 ID : 441009622720 Option 4 ID : 441009622721 Status : Answered Chosen Option : 3	

Q.3 7	Which type of electrolytic capacitor is generally more stable and has better performance in small sizes?																	
Ans	☒ 1. Tantalum capacitor																	
	☒ 2. Mica capacitor																	
	☒ 3. Ceramic capacitor																	
	☒ 4. Aluminium capacitor																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156827</td></tr><tr><td>Option 1 ID :</td><td>441009622471</td></tr><tr><td>Option 2 ID :</td><td>441009622474</td></tr><tr><td>Option 3 ID :</td><td>441009622473</td></tr><tr><td>Option 4 ID :</td><td>441009622472</td></tr><tr><td>Status :</td><td>Not Answered</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156827	Option 1 ID :	441009622471	Option 2 ID :	441009622474	Option 3 ID :	441009622473	Option 4 ID :	441009622472	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156827																	
Option 1 ID :	441009622471																	
Option 2 ID :	441009622474																	
Option 3 ID :	441009622473																	
Option 4 ID :	441009622472																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.3 8	কোনটি একটি কর্মশালায় (workshop) একটি গুরুত্বপূর্ণ বৈদ্যুতিক সুরক্ষা টিপস?																	
Ans	☒ 1. যদি ডিভাইসটি কাজের উপযোগী হয়, তবে ক্ষয়প্রাপ্ত তারগুলি উপেক্ষা করা																	
	☒ 2. বৈদ্যুতিক সরঞ্জাম সঠিকভাবে গ্রাউন্ডেড আছে কিনা তা নিশ্চিত করা																	
	☒ 3. ভেজা হাতে মেশিন পরিচালনা করা																	
	☒ 4. বৈদ্যুতিক প্যানেল পরিষ্কার করতে জল ব্যবহার করা																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156596</td></tr><tr><td>Option 1 ID :</td><td>441009621548</td></tr><tr><td>Option 2 ID :</td><td>441009621547</td></tr><tr><td>Option 3 ID :</td><td>441009621550</td></tr><tr><td>Option 4 ID :</td><td>441009621549</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>2</td></tr></table>	Question Type :	MCQ	Question ID :	441009156596	Option 1 ID :	441009621548	Option 2 ID :	441009621547	Option 3 ID :	441009621550	Option 4 ID :	441009621549	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156596																	
Option 1 ID :	441009621548																	
Option 2 ID :	441009621547																	
Option 3 ID :	441009621550																	
Option 4 ID :	441009621549																	
Status :	Answered																	
Chosen Option :	2																	
Q.3 9	What is the primary goal of the 5S concept?																	
Ans	☒ 1. To replace traditional safety measures																	
	☒ 2. To eliminate the need for maintenance																	
	☒ 3. To increase the number of safety regulations																	
	☒ 4. To improve workplace organisation and efficiency																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156590</td></tr><tr><td>Option 1 ID :</td><td>441009621526</td></tr><tr><td>Option 2 ID :</td><td>441009621525</td></tr><tr><td>Option 3 ID :</td><td>441009621524</td></tr><tr><td>Option 4 ID :</td><td>441009621523</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009156590	Option 1 ID :	441009621526	Option 2 ID :	441009621525	Option 3 ID :	441009621524	Option 4 ID :	441009621523	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156590																	
Option 1 ID :	441009621526																	
Option 2 ID :	441009621525																	
Option 3 ID :	441009621524																	
Option 4 ID :	441009621523																	
Status :	Answered																	
Chosen Option :	4																	

Q.4 0	আর্থিং সিস্টেম স্থাপনের সময় ইলেকট্রোড রেজিস্ট্যান্স পরিমাপের উদ্দেশ্য কী?																	
Ans	☒ 1. সিস্টেমের ইলেকট্রিক্যাল লোড ক্যাপাসিটি নির্ধারণ করা ☒ 2. আর্থিং সিস্টেমে ফল্ট কারেন্ট অপচয়ের জন্য লো ইমপিডেন্স নিশ্চিত করা ☒ 3. বৈদ্যুতিক সরঞ্জামের সঠিক গ্রাউন্ডিং নিশ্চিত করা ☒ 4. সিস্টেমের ইনসুলেশন রেজিস্ট্যান্স পরিমাপ করা																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156845</td></tr> <tr><td>Option 1 ID :</td><td>441009622546</td></tr> <tr><td>Option 2 ID :</td><td>441009622544</td></tr> <tr><td>Option 3 ID :</td><td>441009622543</td></tr> <tr><td>Option 4 ID :</td><td>441009622545</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>3</td></tr> </table>	Question Type :	MCQ	Question ID :	441009156845	Option 1 ID :	441009622546	Option 2 ID :	441009622544	Option 3 ID :	441009622543	Option 4 ID :	441009622545	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																	
Question ID :	441009156845																	
Option 1 ID :	441009622546																	
Option 2 ID :	441009622544																	
Option 3 ID :	441009622543																	
Option 4 ID :	441009622545																	
Status :	Answered																	
Chosen Option :	3																	
Q.4 1	What are the two types of mica capacitors?																	
Ans	☒ 1. Variable and fixed capacitors ☒ 2. Electrolytic and paper capacitors ☒ 3. Ceramic and film capacitors ☒ 4. Stacked foil and silvered mica capacitors																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156828</td></tr> <tr><td>Option 1 ID :</td><td>441009622478</td></tr> <tr><td>Option 2 ID :</td><td>441009622476</td></tr> <tr><td>Option 3 ID :</td><td>441009622475</td></tr> <tr><td>Option 4 ID :</td><td>441009622477</td></tr> <tr><td>Status :</td><td>Not Answered</td></tr> <tr><td>Chosen Option :</td><td>--</td></tr> </table>	Question Type :	MCQ	Question ID :	441009156828	Option 1 ID :	441009622478	Option 2 ID :	441009622476	Option 3 ID :	441009622475	Option 4 ID :	441009622477	Status :	Not Answered	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156828																	
Option 1 ID :	441009622478																	
Option 2 ID :	441009622476																	
Option 3 ID :	441009622475																	
Option 4 ID :	441009622477																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.4 2	Which component in an MCB is responsible for detecting a short circuit?																	
Ans	☒ 1. Arc chute ☒ 2. Solenoid ☒ 3. Bimetallic strip ☒ 4. Handle																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156893</td></tr> <tr><td>Option 1 ID :</td><td>441009622737</td></tr> <tr><td>Option 2 ID :</td><td>441009622736</td></tr> <tr><td>Option 3 ID :</td><td>441009622735</td></tr> <tr><td>Option 4 ID :</td><td>441009622738</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>2</td></tr> </table>	Question Type :	MCQ	Question ID :	441009156893	Option 1 ID :	441009622737	Option 2 ID :	441009622736	Option 3 ID :	441009622735	Option 4 ID :	441009622738	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156893																	
Option 1 ID :	441009622737																	
Option 2 ID :	441009622736																	
Option 3 ID :	441009622735																	
Option 4 ID :	441009622738																	
Status :	Answered																	
Chosen Option :	2																	

Q.4 3	Match the following designations of sheets with their respective trimmed sizes in length and breadth. Designation Trimmed Size A) A0 P) 297 × 420 B) A1 Q) 420 × 594 C) A2 R) 594 × 841 D) A3 S) 841 × 1189
Ans	☒ 1. A-S ; B-P ; C-Q ; D-R
	☒ 2. A-S ; B-R ; C-Q ; D-P
	☒ 3. A-P ; B-R ; C-Q ; D-S
	☒ 4. A-Q ; B-R ; C-S ; D-P

Question Type :	MCQ
Question ID :	441009156553
Option 1 ID :	441009621377
Option 2 ID :	441009621375
Option 3 ID :	441009621376
Option 4 ID :	441009621378
Status :	Answered
Chosen Option :	2

Q.4 4	How should the electrode resistance be measured if multiple earthing electrodes are used in parallel?
Ans	☒ 1. Measure electrode resistance individually and then average the values
	☒ 2. Measure electrode resistance individually and then add it
	☒ 3. Use a clamp meter to measure the resistance of parallel electrodes
	☒ 4. Measure the total resistance of the combined electrodes in parallel

Question Type :	MCQ
Question ID :	441009156841
Option 1 ID :	441009622527
Option 2 ID :	441009622530
Option 3 ID :	441009622529
Option 4 ID :	441009622528
Status :	Answered
Chosen Option :	4

Q.4 5	বৃহৎ AC মোটরগুলিতে, মাল্টি-স্পিন্ডল ওয়াইন্ডিং যন্ত্রপাতি _____ করতে ব্যবহৃত হয়।
Ans	☒ 1. স্টেটর স্লাটে অন্তরক উপাদান সমিবেশ ☒ 2. প্রতিটি কয়েল ওয়াইন্ডিংয়ের রোধ পরিমাপ ☒ 3. পুরো ওয়াইন্ডিং প্রক্রিয়া জুড়ে কয়েলে কুলিং এজেন্ট প্রয়োগ ☒ 4. একই সঙ্গে অনেকগুলি কয়েল ওয়াইন্ড করা এবং উৎপাদন দক্ষতা বৃদ্ধি
Question Type : MCQ Question ID : 441009240840 Option 1 ID : 441009941317 Option 2 ID : 441009941320 Option 3 ID : 441009941319 Option 4 ID : 441009941318 Status : Answered Chosen Option : 4	
Q.4 6	Which of the following types of resistors is preferred for high-current applications?
Ans	☒ 1. Wire-wound resistor ☒ 2. Film resistor ☒ 3. Variable resistor ☒ 4. Carbon composition resistor
Question Type : MCQ Question ID : 441009156923 Option 1 ID : 441009622856 Option 2 ID : 441009622857 Option 3 ID : 441009622858 Option 4 ID : 441009622855 Status : Not Answered Chosen Option : --	
Q.4 7	What is an important factor to consider when rewinding a field coil?
Ans	☒ 1. The length of the wire used ☒ 2. The colour of the winding wire ☒ 3. The weight of the coil ☒ 4. The selection of winding wire and insulation
Question Type : MCQ Question ID : 441009156788 Option 1 ID : 441009622316 Option 2 ID : 441009622315 Option 3 ID : 441009622318 Option 4 ID : 441009622317 Status : Marked For Review Chosen Option : 4	

Q.4 8	Which option shows the correct answer when 27°C is converted to the kelvin scale?																	
Ans	☒ 1. – 246 K																	
	☒ 2. – 300 K																	
	☒ 3. 246 K																	
	☒ 4. 300 K																	
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156653</td></tr><tr><td>Option 1 ID :</td><td>441009621777</td></tr><tr><td>Option 2 ID :</td><td>441009621775</td></tr><tr><td>Option 3 ID :</td><td>441009621776</td></tr><tr><td>Option 4 ID :</td><td>441009621778</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>			Question Type :	MCQ	Question ID :	441009156653	Option 1 ID :	441009621777	Option 2 ID :	441009621775	Option 3 ID :	441009621776	Option 4 ID :	441009621778	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156653																	
Option 1 ID :	441009621777																	
Option 2 ID :	441009621775																	
Option 3 ID :	441009621776																	
Option 4 ID :	441009621778																	
Status :	Answered																	
Chosen Option :	4																	
Q.4 9	Two coils, A and B, have self-inductances of 120 μH and 300 μH, respectively. When a current of 1 A flows through coil A, it induces a flux linkage of 100 μWb turns in coil B. What is the mutual inductance between the coils?																	
Ans	☒ 1. 300 μH																	
	☒ 2. 100 μH																	
	☒ 3. 50 μH																	
	☒ 4. 120 μH																	
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156831</td></tr><tr><td>Option 1 ID :</td><td>441009622490</td></tr><tr><td>Option 2 ID :</td><td>441009622489</td></tr><tr><td>Option 3 ID :</td><td>441009622487</td></tr><tr><td>Option 4 ID :</td><td>441009622488</td></tr><tr><td>Status :</td><td>Marked For Review</td></tr><tr><td>Chosen Option :</td><td>2</td></tr></table>			Question Type :	MCQ	Question ID :	441009156831	Option 1 ID :	441009622490	Option 2 ID :	441009622489	Option 3 ID :	441009622487	Option 4 ID :	441009622488	Status :	Marked For Review	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009156831																	
Option 1 ID :	441009622490																	
Option 2 ID :	441009622489																	
Option 3 ID :	441009622487																	
Option 4 ID :	441009622488																	
Status :	Marked For Review																	
Chosen Option :	2																	
Q.5 0	Which test is often conducted to assess the existence of inter-turn defects in an AC motor winding prior to rewinding?																	
Ans	☒ 1. No-load examination																	
	☒ 2. Current signature test																	
	☒ 3. Open circuit test																	
	☒ 4. Winding resistance test																	
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009240838</td></tr><tr><td>Option 1 ID :</td><td>441009941309</td></tr><tr><td>Option 2 ID :</td><td>441009941311</td></tr><tr><td>Option 3 ID :</td><td>441009941310</td></tr><tr><td>Option 4 ID :</td><td>441009941312</td></tr><tr><td>Status :</td><td>Marked For Review</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>			Question Type :	MCQ	Question ID :	441009240838	Option 1 ID :	441009941309	Option 2 ID :	441009941311	Option 3 ID :	441009941310	Option 4 ID :	441009941312	Status :	Marked For Review	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009240838																	
Option 1 ID :	441009941309																	
Option 2 ID :	441009941311																	
Option 3 ID :	441009941310																	
Option 4 ID :	441009941312																	
Status :	Marked For Review																	
Chosen Option :	4																	

Q.5	Which of the following is a major risk associated with fuel spillage?																
1																	
Ans	☒ 1. Better lubrication for workshop floors																
	☒ 2. Reduced need for ventilation																
	☒ 3. Fire hazards and environmental contamination																
	☒ 4. Increased productivity																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156599</td></tr><tr><td>Option 1 ID :</td><td>441009621561</td></tr><tr><td>Option 2 ID :</td><td>441009621562</td></tr><tr><td>Option 3 ID :</td><td>441009621559</td></tr><tr><td>Option 4 ID :</td><td>441009621560</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>3</td></tr></table>		Question Type :	MCQ	Question ID :	441009156599	Option 1 ID :	441009621561	Option 2 ID :	441009621562	Option 3 ID :	441009621559	Option 4 ID :	441009621560	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
Question ID :	441009156599																
Option 1 ID :	441009621561																
Option 2 ID :	441009621562																
Option 3 ID :	441009621559																
Option 4 ID :	441009621560																
Status :	Answered																
Chosen Option :	3																
Q.5	What is the term used to describe programs that distinguish between uppercase and lowercase letters, treating "yes" and "YES" as different inputs?																
2																	
Ans	☒ 1. Case-sensitive																
	☒ 2. Numerical																
	☒ 3. Case-insensitive																
	☒ 4. Alphabetical																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156569</td></tr><tr><td>Option 1 ID :</td><td>441009621440</td></tr><tr><td>Option 2 ID :</td><td>441009621442</td></tr><tr><td>Option 3 ID :</td><td>441009621439</td></tr><tr><td>Option 4 ID :</td><td>441009621441</td></tr><tr><td>Status :</td><td>Marked For Review</td></tr><tr><td>Chosen Option :</td><td>1</td></tr></table>		Question Type :	MCQ	Question ID :	441009156569	Option 1 ID :	441009621440	Option 2 ID :	441009621442	Option 3 ID :	441009621439	Option 4 ID :	441009621441	Status :	Marked For Review	Chosen Option :	1
Question Type :	MCQ																
Question ID :	441009156569																
Option 1 ID :	441009621440																
Option 2 ID :	441009621442																
Option 3 ID :	441009621439																
Option 4 ID :	441009621441																
Status :	Marked For Review																
Chosen Option :	1																
Q.5	_____ recommend(s) 20 mm wide margins for sheet sizes AO and A1 in engineering drawings.																
3																	
Ans	☒ 1. Grid reference system																
	☒ 2. Custom grids																
	☒ 3. Borders and frames: SP: 46 (2003)																
	☒ 4. Geographic coordinate systems																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156544</td></tr><tr><td>Option 1 ID :</td><td>441009621339</td></tr><tr><td>Option 2 ID :</td><td>441009621341</td></tr><tr><td>Option 3 ID :</td><td>441009621340</td></tr><tr><td>Option 4 ID :</td><td>441009621342</td></tr><tr><td>Status :</td><td>Not Attempted and Marked For Review</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>		Question Type :	MCQ	Question ID :	441009156544	Option 1 ID :	441009621339	Option 2 ID :	441009621341	Option 3 ID :	441009621340	Option 4 ID :	441009621342	Status :	Not Attempted and Marked For Review	Chosen Option :	--
Question Type :	MCQ																
Question ID :	441009156544																
Option 1 ID :	441009621339																
Option 2 ID :	441009621341																
Option 3 ID :	441009621340																
Option 4 ID :	441009621342																
Status :	Not Attempted and Marked For Review																
Chosen Option :	--																

Q.5 4	একটি প্রাইমারি এবং একটি সেকেন্ডারি তড়িৎ রাসায়নিক সেলের (electrochemical cell) মধ্যে মূল পার্থক্য কী?	
Ans	✗ 1. একটি সেকেন্ডারি সেল একটি প্রাইমারি সেলের তুলনায় বেশি শক্তি উৎপাদন করে। ✗ 2. প্রাইমারি এবং সেকেন্ডারি সেলের মধ্যে কোনো পার্থক্য নেই। ✓ 3. একটি প্রাইমারি সেল রিচার্জ করা যায় না, কিন্তু একটি সেকেন্ডারি সেল রিচার্জ করা যায়। ✗ 4. একটি প্রাইমারি সেল রিচার্জ করা যায়, কিন্তু একটি সেকেন্ডারি সেল রিচার্জ করা যায় না।	Question Type : MCQ Question ID : 441009156522 Option 1 ID : 441009621253 Option 2 ID : 441009621254 Option 3 ID : 441009621252 Option 4 ID : 441009621251 Status : Answered Chosen Option : 3
Q.5 5	In a DC motor's winding table, if the number of poles is increased, what will likely happen to the number of armature slots?	
Ans	✗ 1. The number of slots will remain unchanged regardless of pole count. ✓ 2. The number of slots will increase to accommodate the additional coils. ✗ 3. The number of slots will increase, but only by one per additional pole. ✗ 4. The number of slots will decrease in proportion to the increase in poles.	Question Type : MCQ Question ID : 441009156764 Option 1 ID : 441009622221 Option 2 ID : 441009622220 Option 3 ID : 441009622222 Option 4 ID : 441009622219 Status : Marked For Review Chosen Option : 1
Q.5 6	Which of the following actions is a part of the emergency response team's responsibilities during an active emergency?	
Ans	✗ 1. Scheduling regular evacuation drills ✗ 2. Conducting routine safety checks ✗ 3. Preparing reports on emergency incidents ✓ 4. Rescuing persons in immediate danger	Question Type : MCQ Question ID : 441009156603 Option 1 ID : 441009621577 Option 2 ID : 441009621575 Option 3 ID : 441009621578 Option 4 ID : 441009621576 Status : Marked For Review Chosen Option : 2

Q.5	7	Connection of voltage transformer and current transformer across line are _____, respectively.																	
Ans		☒ 1. series and parallel																	
		☐ 2. series and series																	
		☐ 3. parallel and series																	
		☐ 4. parallel and parallel																	
			<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156901</td></tr><tr><td>Option 1 ID :</td><td>441009622768</td></tr><tr><td>Option 2 ID :</td><td>441009622769</td></tr><tr><td>Option 3 ID :</td><td>441009622767</td></tr><tr><td>Option 4 ID :</td><td>441009622770</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>3</td></tr></table>	Question Type :	MCQ	Question ID :	441009156901	Option 1 ID :	441009622768	Option 2 ID :	441009622769	Option 3 ID :	441009622767	Option 4 ID :	441009622770	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																		
Question ID :	441009156901																		
Option 1 ID :	441009622768																		
Option 2 ID :	441009622769																		
Option 3 ID :	441009622767																		
Option 4 ID :	441009622770																		
Status :	Answered																		
Chosen Option :	3																		
Q.5	8	Why is a DC compound generator preferred for industrial loads?																	
Ans		☐ 1. It provides better efficiency.																	
		☐ 2. It is easier to manufacture.																	
		☐ 3. It has no losses.																	
		☒ 4. It has constant voltage characteristics.																	
			<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156826</td></tr><tr><td>Option 1 ID :</td><td>441009622467</td></tr><tr><td>Option 2 ID :</td><td>441009622469</td></tr><tr><td>Option 3 ID :</td><td>441009622470</td></tr><tr><td>Option 4 ID :</td><td>441009622468</td></tr><tr><td>Status :</td><td>Marked For Review</td></tr><tr><td>Chosen Option :</td><td>1</td></tr></table>	Question Type :	MCQ	Question ID :	441009156826	Option 1 ID :	441009622467	Option 2 ID :	441009622469	Option 3 ID :	441009622470	Option 4 ID :	441009622468	Status :	Marked For Review	Chosen Option :	1
Question Type :	MCQ																		
Question ID :	441009156826																		
Option 1 ID :	441009622467																		
Option 2 ID :	441009622469																		
Option 3 ID :	441009622470																		
Option 4 ID :	441009622468																		
Status :	Marked For Review																		
Chosen Option :	1																		
Q.5	9	Natural rubber is soft at high temperatures and brittle at low temperatures; hence raw rubber is heated with sulphur and other additives at a temperature range between 373 – 415 K to make it strong. This process is called _____ of rubber.																	
Ans		☐ 1. molding																	
		☐ 2. extrusion																	
		☐ 3. latex																	
		☒ 4. vulcanisation																	
			<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156647</td></tr><tr><td>Option 1 ID :</td><td>441009621752</td></tr><tr><td>Option 2 ID :</td><td>441009621754</td></tr><tr><td>Option 3 ID :</td><td>441009621753</td></tr><tr><td>Option 4 ID :</td><td>441009621751</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>4</td></tr></table>	Question Type :	MCQ	Question ID :	441009156647	Option 1 ID :	441009621752	Option 2 ID :	441009621754	Option 3 ID :	441009621753	Option 4 ID :	441009621751	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																		
Question ID :	441009156647																		
Option 1 ID :	441009621752																		
Option 2 ID :	441009621754																		
Option 3 ID :	441009621753																		
Option 4 ID :	441009621751																		
Status :	Answered																		
Chosen Option :	4																		

Q.6	Micanite paper consists of soft mica bonded with which material?
0	
Ans	☒ 1. Glass fibre
	☒ 2. Cotton and silk
	☒ 3. Paper or cloth base
	☒ 4. Rubber
Question Type : MCQ Question ID : 441009156790 Option 1 ID : 441009622325 Option 2 ID : 441009622323 Option 3 ID : 441009622324 Option 4 ID : 441009622326 Status : Not Answered Chosen Option : --	
Q.6	While performing short circuit test on a transformer to determine its parameter, instruments are placed on the:
1	
Ans	☒ 1. low voltage side, while the high voltage side is open circuit
	☒ 2. high voltage side, while the low voltage side is open circuit
	☒ 3. low voltage side, while the high voltage side is short circuit
	☒ 4. high voltage side, while the low voltage side is short circuit
Question Type : MCQ Question ID : 441009156876 Option 1 ID : 441009622670 Option 2 ID : 441009622667 Option 3 ID : 441009622668 Option 4 ID : 441009622669 Status : Answered Chosen Option : 2	
Q.6	What is the maximum total current allowed in a ring circuit as per IEE regulations?
2	
Ans	☒ 1. 20 amps
	☒ 2. 50 amps
	☒ 3. 10 amps
	☒ 4. 30 amps
Question Type : MCQ Question ID : 441009156908 Option 1 ID : 441009622796 Option 2 ID : 441009622798 Option 3 ID : 441009622795 Option 4 ID : 441009622797 Status : Not Attempted and Marked For Review Chosen Option : --	

Q.6 3	What is the importance of following the manufacturer's guidelines for DC motor maintenance?	
Ans	✔ 1. Ensures safe and efficient operation ✘ 2. Modifies the motor's design ✘ 3. Saves time and resources ✘ 4. Increases the motor's power output	
Question Type : MCQ Question ID : 441009156816 Option 1 ID : 441009622428 Option 2 ID : 441009622430 Option 3 ID : 441009622427 Option 4 ID : 441009622429 Status : Marked For Review Chosen Option : 1		
Q.6 4	The transformation ratio (K) of a transformer is defined as:	
Ans	✔ 1. the ratio of the secondary voltage (V2) to the primary voltage (V1) ✘ 2. the ratio of the primary EMF (E1) to the secondary EMF (E2) ✘ 3. the ratio of the primary voltage (V1) to the secondary voltage (V2) ✘ 4. the ratio of the number of primary turns (N1) to the number of secondary turns (N2)	
Question Type : MCQ Question ID : 441009156773 Option 1 ID : 441009622258 Option 2 ID : 441009622255 Option 3 ID : 441009622257 Option 4 ID : 441009622256 Status : Marked For Review Chosen Option : 1		
Q.6 5	Megger is a portable instrument to measure:	
Ans	✘ 1. Inductance Value ✘ 2. Power ✔ 3. High Insulation Resistance Value ✘ 4. Capacitance Value	
Question Type : MCQ Question ID : 441009156770 Option 1 ID : 441009622245 Option 2 ID : 441009622243 Option 3 ID : 441009622246 Option 4 ID : 441009622244 Status : Answered Chosen Option : 3		

Q.6 6	What factor is multiplied with the cross-section area to account for the additional insulation area?																	
Ans	☒ 1. 0.75																	
	☒ 2. 2.00																	
	☒ 3. 1.25																	
	☒ 4. 1.50																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156784</td></tr><tr><td>Option 1 ID :</td><td>441009622300</td></tr><tr><td>Option 2 ID :</td><td>441009622302</td></tr><tr><td>Option 3 ID :</td><td>441009622301</td></tr><tr><td>Option 4 ID :</td><td>441009622299</td></tr><tr><td>Status :</td><td>Not Attempted and Marked For Review</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156784	Option 1 ID :	441009622300	Option 2 ID :	441009622302	Option 3 ID :	441009622301	Option 4 ID :	441009622299	Status :	Not Attempted and Marked For Review	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156784																	
Option 1 ID :	441009622300																	
Option 2 ID :	441009622302																	
Option 3 ID :	441009622301																	
Option 4 ID :	441009622299																	
Status :	Not Attempted and Marked For Review																	
Chosen Option :	--																	

Q.6 7	What is typically done after rewinding a DC motor's armature?																	
Ans	☒ 1. The armature is immediately connected to a load for testing.																	
	☒ 2. The armature is balanced and tested for performance.																	
	☒ 3. The armature is coated with a protective layer.																	
	☒ 4. The armature is placed directly back into the motor casing.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156758</td></tr><tr><td>Option 1 ID :</td><td>441009622198</td></tr><tr><td>Option 2 ID :</td><td>441009622195</td></tr><tr><td>Option 3 ID :</td><td>441009622197</td></tr><tr><td>Option 4 ID :</td><td>441009622196</td></tr><tr><td>Status :</td><td>Marked For Review</td></tr><tr><td>Chosen Option :</td><td>2</td></tr></table>	Question Type :	MCQ	Question ID :	441009156758	Option 1 ID :	441009622198	Option 2 ID :	441009622195	Option 3 ID :	441009622197	Option 4 ID :	441009622196	Status :	Marked For Review	Chosen Option :	2
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Question ID :	441009156758																	
Option 1 ID :	441009622198																	
Option 2 ID :	441009622195																	
Option 3 ID :	441009622197																	
Option 4 ID :	441009622196																	
Status :	Marked For Review																	
Chosen Option :	2																	

Q.6 8	Which of the following conversions are correct?																	
Ans	☒ 1. 1 L = 1000 dm ³ and 1 mL = 1000 cm ³																	
	☒ 2. 1000 L = 1 dm ³ and 1 mL = 1000 cm ³																	
	☒ 3. 1000 L = 1 dm ³ and 1000 mL = 1 cm ³																	
	☒ 4. 1 L = 1 dm ³ and 1 mL = 1 cm ³																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156659</td></tr><tr><td>Option 1 ID :</td><td>441009621801</td></tr><tr><td>Option 2 ID :</td><td>441009621802</td></tr><tr><td>Option 3 ID :</td><td>441009621800</td></tr><tr><td>Option 4 ID :</td><td>441009621799</td></tr><tr><td>Status :</td><td>Not Attempted and Marked For Review</td></tr><tr><td>Chosen Option :</td><td>--</td></tr></table>	Question Type :	MCQ	Question ID :	441009156659	Option 1 ID :	441009621801	Option 2 ID :	441009621802	Option 3 ID :	441009621800	Option 4 ID :	441009621799	Status :	Not Attempted and Marked For Review	Chosen Option :	--
Question Type :	MCQ																	
Question ID :	441009156659																	
Option 1 ID :	441009621801																	
Option 2 ID :	441009621802																	
Option 3 ID :	441009621800																	
Option 4 ID :	441009621799																	
Status :	Not Attempted and Marked For Review																	
Chosen Option :	--																	

Q.6	The SI unit of 'ultimate stress' is _____.
9	
Ans	1. newton (N) 2. pascal (Pa) 3. joule per square meter (J/m²) 4. newton per meter (N/m)

Q.7 2	Which DC motor type provides the best speed regulation under varying loads?
Ans	✖ 1. Permanent Magnet DC Motor ✖ 2. DC Series Motor ✖ 3. Cumulative Motor ✔ 4. DC Shunt Motor
Question Type : MCQ Question ID : 441009156814 Option 1 ID : 441009622422 Option 2 ID : 441009622419 Option 3 ID : 441009622421 Option 4 ID : 441009622420 Status : Marked For Review Chosen Option : 4	

Q.7 3	A rectangular floor measuring 10 m × 8 m is to be tiled. If each tile covers 0.25 m², how many tiles are needed?
Ans	✔ 1. 320 ✖ 2. 300 ✖ 3. 200 ✖ 4. 250
Question Type : MCQ Question ID : 441009156654 Option 1 ID : 441009621782 Option 2 ID : 441009621781 Option 3 ID : 441009621779 Option 4 ID : 441009621780 Status : Answered Chosen Option : 1	

Q.7 4	What is the unit of measurement for earth fault loop impedance?
Ans	✖ 1. Farads (F) ✖ 2. Amperes (A) ✔ 3. Ohms (Ω) ✖ 4. Volts (V)
Question Type : MCQ Question ID : 441009156885 Option 1 ID : 441009622706 Option 2 ID : 441009622705 Option 3 ID : 441009622703 Option 4 ID : 441009622704 Status : Answered Chosen Option : 3	

Q.7 5	প্রতিরক্ষামূলক রক্ষণাবেক্ষণের (preventive maintenance) প্রাথমিক উদ্দেশ্য কী?																	
Ans	✔ 1. অপ্রত্যাশিত সরঞ্জামের ব্যর্থতা হ্রাস করা																	
	✗ 2. ব্রেকডাউন না হওয়া পর্যন্ত মেরামত বিলম্বিত করা																	
	✗ 3. কর্মচারীদের কাজের চাপ বৃদ্ধি করা																	
	✗ 4. নিয়মিত পরিদর্শনের প্রয়োজনীয়তা দূর করা																	
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156593</td></tr><tr><td>Option 1 ID :</td><td>441009621535</td></tr><tr><td>Option 2 ID :</td><td>441009621537</td></tr><tr><td>Option 3 ID :</td><td>441009621536</td></tr><tr><td>Option 4 ID :</td><td>441009621538</td></tr><tr><td>Status :</td><td>Answered</td></tr><tr><td>Chosen Option :</td><td>1</td></tr></table>			Question Type :	MCQ	Question ID :	441009156593	Option 1 ID :	441009621535	Option 2 ID :	441009621537	Option 3 ID :	441009621536	Option 4 ID :	441009621538	Status :	Answered	Chosen Option :	1
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Question ID :	441009156593																	
Option 1 ID :	441009621535																	
Option 2 ID :	441009621537																	
Option 3 ID :	441009621536																	
Option 4 ID :	441009621538																	
Status :	Answered																	
Chosen Option :	1																	