

RRB ALP CBT-II

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

Adda247

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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.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : PART-A

Q.1	<p>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.)</p>
Ans	<p><input checked="" type="checkbox"/> 1. SA – WQ</p> <p><input checked="" type="checkbox"/> 2. MU – QL</p> <p><input checked="" type="checkbox"/> 3. WE – AU</p> <p><input checked="" type="checkbox"/> 4. DL – HB</p>

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	<p>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.)</p> <p>11 – 121 – 221 – 171; 27 – 729 – 829 – 779</p>
Ans	<p><input checked="" type="checkbox"/> 1. 16 – 196 – 296 – 246</p> <p><input checked="" type="checkbox"/> 2. 23 – 529 – 629 – 589</p> <p><input checked="" type="checkbox"/> 3. 13 – 169 – 244 – 188</p> <p><input checked="" type="checkbox"/> 4. 25 – 625 – 725 – 675</p>

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	<input checked="" type="checkbox"/> 1. Sort <input checked="" type="checkbox"/> 2. Standardise <input checked="" type="checkbox"/> 3. Supervise <input checked="" type="checkbox"/> 4. Sustain																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156589</td></tr> <tr><td>Option 1 ID :</td><td>441009621519</td></tr> <tr><td>Option 2 ID :</td><td>441009621520</td></tr> <tr><td>Option 3 ID :</td><td>441009621521</td></tr> <tr><td>Option 4 ID :</td><td>441009621522</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 :	441009156589	Option 1 ID :	441009621519	Option 2 ID :	441009621520	Option 3 ID :	441009621521	Option 4 ID :	441009621522	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 155 <input checked="" type="checkbox"/> 2. 175 <input checked="" type="checkbox"/> 3. 161 <input checked="" type="checkbox"/> 4. 149																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155606</td></tr> <tr><td>Option 1 ID :</td><td>441009617591</td></tr> <tr><td>Option 2 ID :</td><td>441009617594</td></tr> <tr><td>Option 3 ID :</td><td>441009617593</td></tr> <tr><td>Option 4 ID :</td><td>441009617592</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 :	441009155606	Option 1 ID :	441009617591	Option 2 ID :	441009617594	Option 3 ID :	441009617593	Option 4 ID :	441009617592	Status :	Answered	Chosen Option :	1
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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	<input checked="" type="checkbox"/> 1. A stone in motion <input checked="" type="checkbox"/> 2. A compressed spring <input checked="" type="checkbox"/> 3. A book resting on a table <input checked="" type="checkbox"/> 4. An extended rubber band																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009160695</td></tr> <tr><td>Option 1 ID :</td><td>441009636567</td></tr> <tr><td>Option 2 ID :</td><td>441009636568</td></tr> <tr><td>Option 3 ID :</td><td>441009636565</td></tr> <tr><td>Option 4 ID :</td><td>441009636566</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 :	441009160695	Option 1 ID :	441009636567	Option 2 ID :	441009636568	Option 3 ID :	441009636565	Option 4 ID :	441009636566	Status :	Answered	Chosen Option :	1
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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	<input checked="" type="checkbox"/> 1. Force <input type="checkbox"/> 2. Luminous intensity <input type="checkbox"/> 3. Time <input type="checkbox"/> 4. Amount of substance																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153555</td></tr> <tr><td>Option 1 ID :</td><td>441009609391</td></tr> <tr><td>Option 2 ID :</td><td>441009609393</td></tr> <tr><td>Option 3 ID :</td><td>441009609390</td></tr> <tr><td>Option 4 ID :</td><td>441009609392</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 :	441009153555	Option 1 ID :	441009609391	Option 2 ID :	441009609393	Option 3 ID :	441009609390	Option 4 ID :	441009609392	Status :	Answered	Chosen Option :	1
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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	<input type="checkbox"/> 1. 5.56×10^4 km <input type="checkbox"/> 2. 55.6×10^4 km <input type="checkbox"/> 3. 556×10^6 km <input checked="" type="checkbox"/> 4. 5.56×10^6 km																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153560</td></tr> <tr><td>Option 1 ID :</td><td>441009609413</td></tr> <tr><td>Option 2 ID :</td><td>441009609412</td></tr> <tr><td>Option 3 ID :</td><td>441009609411</td></tr> <tr><td>Option 4 ID :</td><td>441009609410</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 :	441009153560	Option 1 ID :	441009609413	Option 2 ID :	441009609412	Option 3 ID :	441009609411	Option 4 ID :	441009609410	Status :	Answered	Chosen Option :	4
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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	<input checked="" type="checkbox"/> 1. visible edges and surface boundaries of objects <input type="checkbox"/> 2. wide lines along which the prints are trimmed <input type="checkbox"/> 3. interior or hidden edges <input type="checkbox"/> 4. axes of cylindrical, conical or spherical objects																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156542</td></tr> <tr><td>Option 1 ID :</td><td>441009621331</td></tr> <tr><td>Option 2 ID :</td><td>441009621332</td></tr> <tr><td>Option 3 ID :</td><td>441009621333</td></tr> <tr><td>Option 4 ID :</td><td>441009621334</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 :	441009156542	Option 1 ID :	441009621331	Option 2 ID :	441009621332	Option 3 ID :	441009621333	Option 4 ID :	441009621334	Status :	Answered	Chosen Option :	1
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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	<input checked="" type="checkbox"/> 1. 1,40,000 <input checked="" type="checkbox"/> 2. 92,000 <input checked="" type="checkbox"/> 3. 1,12,000 <input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> 1. $\frac{1}{2}$ <input checked="" type="checkbox"/> 2. $\frac{2}{5}$ <input checked="" type="checkbox"/> 3. $\frac{2}{3}$ <input checked="" type="checkbox"/> 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

<p>Q.1 1</p>	<p>In winters, people wear jacket because ____.</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. it looks good</p> <p><input checked="" type="checkbox"/> 2. fabric of jacket is an insulator of heat so it traps body heat</p> <p><input type="checkbox"/> 3. fabric of jacket is a conductor of heat so it traps body heat</p> <p><input type="checkbox"/> 4. jacket allows the heat to flow from our body to surroundings</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009154519</td></tr> <tr><td>Option 1 ID :</td><td>441009613238</td></tr> <tr><td>Option 2 ID :</td><td>441009613240</td></tr> <tr><td>Option 3 ID :</td><td>441009613239</td></tr> <tr><td>Option 4 ID :</td><td>441009613241</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 :	441009154519	Option 1 ID :	441009613238	Option 2 ID :	441009613240	Option 3 ID :	441009613239	Option 4 ID :	441009613241	Status :	Answered	Chosen Option :	2
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Option 1 ID :	441009613238																	
Option 2 ID :	441009613240																	
Option 3 ID :	441009613239																	
Option 4 ID :	441009613241																	
Status :	Answered																	
Chosen Option :	2																	
<p>Q.1 2</p>	<p>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?</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. One</p> <p><input type="checkbox"/> 2. Four</p> <p><input type="checkbox"/> 3. Three</p> <p><input checked="" type="checkbox"/> 4. Two</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155670</td></tr> <tr><td>Option 1 ID :</td><td>441009617847</td></tr> <tr><td>Option 2 ID :</td><td>441009617850</td></tr> <tr><td>Option 3 ID :</td><td>441009617849</td></tr> <tr><td>Option 4 ID :</td><td>441009617848</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 :	441009155670	Option 1 ID :	441009617847	Option 2 ID :	441009617850	Option 3 ID :	441009617849	Option 4 ID :	441009617848	Status :	Answered	Chosen Option :	4
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Question ID :	441009155670																	
Option 1 ID :	441009617847																	
Option 2 ID :	441009617850																	
Option 3 ID :	441009617849																	
Option 4 ID :	441009617848																	
Status :	Answered																	
Chosen Option :	4																	
<p>Q.1 3</p>	<p>What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '+' are interchanged?</p> <p>$32 + 28 \div 3 \times 4 - 15 = ?$</p>																	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. 26</p> <p><input type="checkbox"/> 2. 32</p> <p><input type="checkbox"/> 3. 20</p> <p><input type="checkbox"/> 4. 29</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155590</td></tr> <tr><td>Option 1 ID :</td><td>441009617527</td></tr> <tr><td>Option 2 ID :</td><td>441009617529</td></tr> <tr><td>Option 3 ID :</td><td>441009617528</td></tr> <tr><td>Option 4 ID :</td><td>441009617530</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 :	441009155590	Option 1 ID :	441009617527	Option 2 ID :	441009617529	Option 3 ID :	441009617528	Option 4 ID :	441009617530	Status :	Answered	Chosen Option :	1
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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																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153655</td></tr> <tr><td>Option 1 ID :</td><td>441009609792</td></tr> <tr><td>Option 2 ID :</td><td>441009609793</td></tr> <tr><td>Option 3 ID :</td><td>441009609790</td></tr> <tr><td>Option 4 ID :</td><td>441009609791</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 :	441009153655	Option 1 ID :	441009609792	Option 2 ID :	441009609793	Option 3 ID :	441009609790	Option 4 ID :	441009609791	Status :	Answered	Chosen Option :	4
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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																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153500</td></tr> <tr><td>Option 1 ID :</td><td>441009609172</td></tr> <tr><td>Option 2 ID :</td><td>441009609170</td></tr> <tr><td>Option 3 ID :</td><td>441009609173</td></tr> <tr><td>Option 4 ID :</td><td>441009609171</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 :	441009153500	Option 1 ID :	441009609172	Option 2 ID :	441009609170	Option 3 ID :	441009609173	Option 4 ID :	441009609171	Status :	Answered	Chosen Option :	2
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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																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153651</td></tr> <tr><td>Option 1 ID :</td><td>441009609775</td></tr> <tr><td>Option 2 ID :</td><td>441009609776</td></tr> <tr><td>Option 3 ID :</td><td>441009609774</td></tr> <tr><td>Option 4 ID :</td><td>441009609777</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 :	441009153651	Option 1 ID :	441009609775	Option 2 ID :	441009609776	Option 3 ID :	441009609774	Option 4 ID :	441009609777	Status :	Answered	Chosen Option :	2
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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	<input checked="" type="checkbox"/> 1. Filter <input checked="" type="checkbox"/> 2. Draft <input checked="" type="checkbox"/> 3. Sort <input checked="" type="checkbox"/> 4. Archive																
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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	<input checked="" type="checkbox"/> 1. JH19 <input checked="" type="checkbox"/> 2. IH29 <input checked="" type="checkbox"/> 3. IG21 <input checked="" type="checkbox"/> 4. IH21																
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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	<input checked="" type="checkbox"/> 1. 1365 <input checked="" type="checkbox"/> 2. 805 <input checked="" type="checkbox"/> 3. 833 <input checked="" type="checkbox"/> 4. 1080																
<table border="1"> <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.2 0	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	<input checked="" type="checkbox"/> 1. 5.5 <input type="checkbox"/> 2. 6.5 <input type="checkbox"/> 3. 6 <input type="checkbox"/> 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.2 1	<p>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।</p> <p>বিবৃতি: আজ বিকেলে জয়পুরের একটি মলে একটি বড় অগ্নিকাণ্ড ঘটে, যার ফলে ভিতরে উপস্থিত বেশ কয়েকজন ব্যক্তি আহত হয়েছেন।</p> <p>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।</p>
Ans	<input type="checkbox"/> 1. I বা II কোনোটিই অনুসরণ করে না। <input type="checkbox"/> 2. শুধুমাত্র I অনুসরণ করে। <input checked="" type="checkbox"/> 3. I এবং II উভয়ই অনুসরণ করে। <input type="checkbox"/> 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.

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

<p>Q.2</p>	<p>In a certain code language, 'LOVE' is coded as '8364' and 'EARS' is coded as '3517'.</p>																
<p>4</p>	<p>What is the code for 'E' in the given code language?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 5</p> <p><input type="checkbox"/> 2. 4</p> <p><input checked="" type="checkbox"/> 3. 3</p> <p><input type="checkbox"/> 4. 7</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155628</td></tr> <tr><td>Option 1 ID :</td><td>441009617681</td></tr> <tr><td>Option 2 ID :</td><td>441009617680</td></tr> <tr><td>Option 3 ID :</td><td>441009617679</td></tr> <tr><td>Option 4 ID :</td><td>441009617682</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 :	441009155628	Option 1 ID :	441009617681	Option 2 ID :	441009617680	Option 3 ID :	441009617679	Option 4 ID :	441009617682	Status :	Answered	Chosen Option :	3
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																
<p>Q.2</p>	<p>Alloys are preferred over pure metals in electrical heating devices:</p>																
<p>5</p>	<p>What is the reason for this preference?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. because alloys oxidise (burn) readily at high temperatures.</p> <p><input checked="" type="checkbox"/> 2. because the resistivity of an alloy is generally higher than its constituent metals.</p> <p><input type="checkbox"/> 3. because the elasticity of an alloy is higher than that of its constituent metals.</p> <p><input type="checkbox"/> 4. because the resistivity of an alloy is lower than that of its constituent metals.</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153506</td></tr> <tr><td>Option 1 ID :</td><td>441009609197</td></tr> <tr><td>Option 2 ID :</td><td>441009609194</td></tr> <tr><td>Option 3 ID :</td><td>441009609196</td></tr> <tr><td>Option 4 ID :</td><td>441009609195</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 :	441009153506	Option 1 ID :	441009609197	Option 2 ID :	441009609194	Option 3 ID :	441009609196	Option 4 ID :	441009609195	Status :	Marked For Review	Chosen Option :	4
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	<input type="checkbox"/> 1. $-\frac{83}{21}$
	<input checked="" type="checkbox"/> 2. $\frac{83}{61}$
	<input type="checkbox"/> 3. $\frac{83}{21}$
	<input type="checkbox"/> 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	<input type="checkbox"/> 1. Peak load
	<input type="checkbox"/> 2. Effective capacity
	<input checked="" type="checkbox"/> 3. Nameplate capacity
	<input type="checkbox"/> 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.

- 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 (H₂) এবং অক্সিজেনে সঞ্চিত শক্তিকে দহন ছাড়াই বৈদ্যুতিক শক্তিতে রূপান্তরিত করে?

- 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	<p><input checked="" type="checkbox"/> 1. দৈর্ঘ্য, প্রস্থ এবং উচ্চতা সহ ত্রিমাত্রিক বস্তু</p> <p><input checked="" type="checkbox"/> 2. কোনো স্পেস বা ড্রয়িং শীটে অবস্থিত মাত্রাবিহীন অবস্থান যার কোনো প্রস্থ, উচ্চতা বা গভীরতা নেই</p> <p><input checked="" type="checkbox"/> 3. একটি ব্লোজড কার্ড যেখানে সমস্ত বিন্দু একটি স্থির কেন্দ্রবিন্দু থেকে সমান দূরত্বে থাকে</p> <p><input checked="" type="checkbox"/> 4. এক-মাত্রিক ফিগার, যার দৈর্ঘ্য আছে কিন্তু প্রস্থ নেই</p>																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156540</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621324</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621323</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621325</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621326</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 :	441009156540	Option 1 ID :	441009621324	Option 2 ID :	441009621323	Option 3 ID :	441009621325	Option 4 ID :	441009621326	Status :	Answered	Chosen Option :	4
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	<p><input checked="" type="checkbox"/> 1. Three</p> <p><input checked="" type="checkbox"/> 2. Two</p> <p><input checked="" type="checkbox"/> 3. One</p> <p><input checked="" type="checkbox"/> 4. Four</p>																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009160820</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009637006</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009637005</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009637004</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009637007</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 :	441009160820	Option 1 ID :	441009637006	Option 2 ID :	441009637005	Option 3 ID :	441009637004	Option 4 ID :	441009637007	Status :	Answered	Chosen Option :	3
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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 2	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	<input checked="" type="checkbox"/> 1. 2R
	<input checked="" type="checkbox"/> 2. 4R
	<input checked="" type="checkbox"/> 3. $\frac{R}{4}$
	<input checked="" type="checkbox"/> 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 3	একটি বাণিজ্যিক বিন্ডিংয়ে এনার্জি অডিট পরিচালনা করে নিম্নলিখিত কোন সুবিধাটি পাওয়া যেতে পারে?
Ans	<input checked="" type="checkbox"/> 1. একক ব্যবহার অনুযায়ী বিদ্যুৎশক্তির মূল্য হ্রাস
	<input checked="" type="checkbox"/> 2. বিন্ডিংটির বাজার মূল্য হ্রাস
	<input checked="" type="checkbox"/> 3. বিদ্যুৎ বিলের ব্যয় বৃদ্ধি
	<input checked="" type="checkbox"/> 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

<p>Q.3 4</p>	<p>Which of the following correctly describes the direction of electric current?</p> <p>Ans <input type="checkbox"/> 1. From low potential to high potential</p> <p><input type="checkbox"/> 2. Opposite to the direction of positive charge flow</p> <p><input checked="" type="checkbox"/> 3. Opposite to the direction of electron flow</p> <p><input type="checkbox"/> 4. Same as the direction of electron flow</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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																	
<p>Q.3 5</p>	<p>The mode of 4, 6, 4, 6, 5, 7, 5, 7, 4, 6, 7, 6 is:</p> <p>Ans <input type="checkbox"/> 1. 7</p> <p><input type="checkbox"/> 2. 4</p> <p><input checked="" type="checkbox"/> 3. 6</p> <p><input type="checkbox"/> 4. 5</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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																	
<p>Q.3 6</p>	<p>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?</p> <p>Ans <input type="checkbox"/> 1. 20 A</p> <p><input type="checkbox"/> 2. 30 A</p> <p><input type="checkbox"/> 3. 15 A</p> <p><input checked="" type="checkbox"/> 4. 10 A</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <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																	
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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	<input checked="" type="checkbox"/> 1. এফিসিয়েন্সি উন্নত করতে সুরক্ষা প্রোটোকল অপসারণ করা <input checked="" type="checkbox"/> 2. সহজে অ্যাক্সেসের জন্য টুল এবং উপকরণ সংগঠিত রাখা <input checked="" type="checkbox"/> 3. উপযুক্ত স্টোরেজ ব্যবস্থা ছাড়া অতিরিক্ত টুল ব্যবহার করা <input checked="" type="checkbox"/> 4. নিরাপত্তা তত্ত্বাবধায়কদের সংখ্যা বৃদ্ধি করা																	
		<table border="1"> <tbody> <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> </tbody> </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	<input checked="" type="checkbox"/> 1. ছোট বৈদ্যুতিক ক্রেটি উপেক্ষা করা <input checked="" type="checkbox"/> 2. খালি হাতে তড়িৎ যুক্ত তারে কাজ করা <input checked="" type="checkbox"/> 3. উত্তাপযুক্ত সরঞ্জাম ব্যবহার করা এবং রাবারের গ্লাভস পরা <input checked="" type="checkbox"/> 4. অতিরিক্ত বৈদ্যুতিক সরঞ্জাম ঠান্ডা করার জন্য জল ব্যবহার করা																	
		<table border="1"> <tbody> <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> </tbody> </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	<input checked="" type="checkbox"/> 1. There is no effect on either container. <input checked="" type="checkbox"/> 2. The white container becomes hotter than the black container. <input checked="" type="checkbox"/> 3. Both containers become equally hot. <input checked="" type="checkbox"/> 4. The black container becomes hotter than the white container.																	
		<table border="1"> <tbody> <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> </tbody> </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																	

<p>Q.4</p>	<p>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?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 3</p> <p><input type="checkbox"/> 2. 5</p> <p><input type="checkbox"/> 3. 4</p> <p><input checked="" type="checkbox"/> 4. 1</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155627</td></tr> <tr><td>Option 1 ID :</td><td>441009617676</td></tr> <tr><td>Option 2 ID :</td><td>441009617678</td></tr> <tr><td>Option 3 ID :</td><td>441009617677</td></tr> <tr><td>Option 4 ID :</td><td>441009617675</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 :	441009155627	Option 1 ID :	441009617676	Option 2 ID :	441009617678	Option 3 ID :	441009617677	Option 4 ID :	441009617675	Status :	Answered	Chosen Option :	4
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																
<p>Q.4</p>	<p>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 = ?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 18</p> <p><input checked="" type="checkbox"/> 2. 16</p> <p><input type="checkbox"/> 3. 10</p> <p><input type="checkbox"/> 4. 21</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155592</td></tr> <tr><td>Option 1 ID :</td><td>441009617536</td></tr> <tr><td>Option 2 ID :</td><td>441009617535</td></tr> <tr><td>Option 3 ID :</td><td>441009617538</td></tr> <tr><td>Option 4 ID :</td><td>441009617537</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 :	441009155592	Option 1 ID :	441009617536	Option 2 ID :	441009617535	Option 3 ID :	441009617538	Option 4 ID :	441009617537	Status :	Answered	Chosen Option :	2
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																
<p>Q.4</p>	<p>Which of the following is an INCORRECT formula for power? 4</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. VI</p> <p><input type="checkbox"/> 2. I²R</p> <p><input checked="" type="checkbox"/> 3. I²Rt</p> <p><input type="checkbox"/> 4. V²/R</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153492</td></tr> <tr><td>Option 1 ID :</td><td>441009609138</td></tr> <tr><td>Option 2 ID :</td><td>441009609140</td></tr> <tr><td>Option 3 ID :</td><td>441009609139</td></tr> <tr><td>Option 4 ID :</td><td>441009609141</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 :	441009153492	Option 1 ID :	441009609138	Option 2 ID :	441009609140	Option 3 ID :	441009609139	Option 4 ID :	441009609141	Status :	Answered	Chosen Option :	3
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																

<p>Q.4 5</p>	<p>What should come in place of the question mark (?) in the given alpha-numeric series? 2M, 5O, 10R, 13T, 18W, 21Y, ?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 26A</p> <p><input type="checkbox"/> 2. 26C</p> <p><input checked="" type="checkbox"/> 3. 26B</p> <p><input type="checkbox"/> 4. 24B</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155674</td></tr> <tr><td>Option 1 ID :</td><td>441009617865</td></tr> <tr><td>Option 2 ID :</td><td>441009617864</td></tr> <tr><td>Option 3 ID :</td><td>441009617866</td></tr> <tr><td>Option 4 ID :</td><td>441009617863</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 :	441009155674	Option 1 ID :	441009617865	Option 2 ID :	441009617864	Option 3 ID :	441009617866	Option 4 ID :	441009617863	Status :	Answered	Chosen Option :	3
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																
<p>Q.4 6</p>	<p>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. BSR : QW LOB : QMG</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. QGT : TDW</p> <p><input type="checkbox"/> 2. KRW : NPZ</p> <p><input checked="" type="checkbox"/> 3. RWH : WUM</p> <p><input type="checkbox"/> 4. HVD : LTH</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155636</td></tr> <tr><td>Option 1 ID :</td><td>441009617713</td></tr> <tr><td>Option 2 ID :</td><td>441009617714</td></tr> <tr><td>Option 3 ID :</td><td>441009617712</td></tr> <tr><td>Option 4 ID :</td><td>441009617711</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 :	441009155636	Option 1 ID :	441009617713	Option 2 ID :	441009617714	Option 3 ID :	441009617712	Option 4 ID :	441009617711	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
Question ID :	441009155636																
Option 1 ID :	441009617713																
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Option 3 ID :	441009617712																
Option 4 ID :	441009617711																
Status :	Answered																
Chosen Option :	3																
<p>Q.4 7</p>	<p>Which of the following is the temperature range in a clinical thermometer?</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 30°C to 43°C</p> <p><input type="checkbox"/> 2. 10°C to 45°C</p> <p><input checked="" type="checkbox"/> 3. 35°C to 42°C</p> <p><input type="checkbox"/> 4. 31°C to 44°C</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009154527</td></tr> <tr><td>Option 1 ID :</td><td>441009613272</td></tr> <tr><td>Option 2 ID :</td><td>441009613271</td></tr> <tr><td>Option 3 ID :</td><td>441009613270</td></tr> <tr><td>Option 4 ID :</td><td>441009613273</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 :	441009154527	Option 1 ID :	441009613272	Option 2 ID :	441009613271	Option 3 ID :	441009613270	Option 4 ID :	441009613273	Status :	Marked For Review	Chosen Option :	4
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

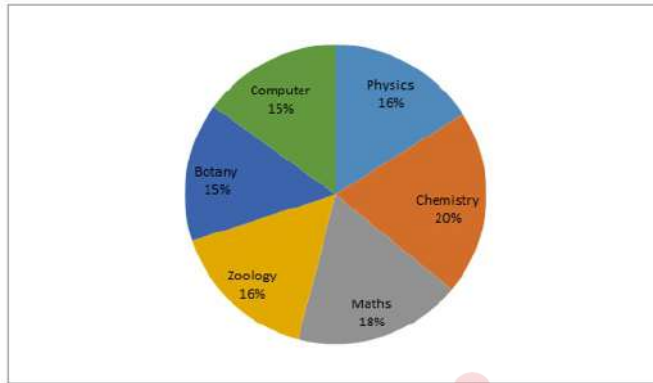
Chosen Option : 2

Q.5 0	কর্মক্ষেত্রে আগুন লাগলে কী আপৎকালীন ব্যবস্থা নেওয়া প্রয়োজন?																
Ans	<input checked="" type="checkbox"/> 1. পরিস্থিতি পর্যবেক্ষণ করতে আগুনের কাছে জড়ো হওয়া <input checked="" type="checkbox"/> 2. আগুন উপেক্ষা করে কাজ চালিয়ে যাওয়া <input checked="" type="checkbox"/> 3. বিপদ সংকেত দেওয়া এবং এলাকা খালি করা <input checked="" type="checkbox"/> 4. অগ্নিসংযোগের ধরণ না জেনে জল ব্যবহার করে আগুন নেভানোর চেষ্টা করা																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156585</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621504</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621506</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621503</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621505</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 :	441009156585	Option 1 ID :	441009621504	Option 2 ID :	441009621506	Option 3 ID :	441009621503	Option 4 ID :	441009621505	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 0.1 ohm <input checked="" type="checkbox"/> 2. 110 ohm <input checked="" type="checkbox"/> 3. 10 ohm <input checked="" type="checkbox"/> 4. 12 ohm																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009153489</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009609126</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009609128</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009609129</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009609127</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 :	441009153489	Option 1 ID :	441009609126	Option 2 ID :	441009609128	Option 3 ID :	441009609129	Option 4 ID :	441009609127	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
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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

	<p>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.</p>																
Ans	<p><input type="checkbox"/> 1. 36</p> <p><input type="checkbox"/> 2. 42</p> <p><input checked="" type="checkbox"/> 3. 63</p> <p><input type="checkbox"/> 4. 64</p>																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153597</td></tr> <tr><td>Option 1 ID :</td><td>441009609559</td></tr> <tr><td>Option 2 ID :</td><td>441009609561</td></tr> <tr><td>Option 3 ID :</td><td>441009609558</td></tr> <tr><td>Option 4 ID :</td><td>441009609560</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 :	441009153597	Option 1 ID :	441009609559	Option 2 ID :	441009609561	Option 3 ID :	441009609558	Option 4 ID :	441009609560	Status :	Answered	Chosen Option :	3
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Option 3 ID :	441009609558																
Option 4 ID :	441009609560																
Status :	Answered																
Chosen Option :	3																
	Adda247																
	<p>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.</p>																
Ans	<p><input checked="" type="checkbox"/> 1. 0.2 A</p> <p><input type="checkbox"/> 2. 2 A</p> <p><input type="checkbox"/> 3. 1.82 A</p> <p><input type="checkbox"/> 4. 40 A</p>																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153505</td></tr> <tr><td>Option 1 ID :</td><td>441009609190</td></tr> <tr><td>Option 2 ID :</td><td>441009609193</td></tr> <tr><td>Option 3 ID :</td><td>441009609192</td></tr> <tr><td>Option 4 ID :</td><td>441009609191</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 :	441009153505	Option 1 ID :	441009609190	Option 2 ID :	441009609193	Option 3 ID :	441009609192	Option 4 ID :	441009609191	Status :	Answered	Chosen Option :	1
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Option 1 ID :	441009609190																
Option 2 ID :	441009609193																
Option 3 ID :	441009609192																
Option 4 ID :	441009609191																
Status :	Answered																
Chosen Option :	1																

<p>Q.5 Match the following, according to lettering and numbering (uppercase lettering) as per BIS SP: 46-2003.</p> <p>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</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Ans</td> <td> <input checked="" type="checkbox"/> 1. A-(I), B-(III), C-(II), D-(IV) <input checked="" type="checkbox"/> 2. A-(IV), B-(II), C-(III), D-(I) <input checked="" type="checkbox"/> 3. A-(IV), B-(III), C-(II), D-(I) <input checked="" type="checkbox"/> 4. A-(IV), B-(III), C-(I), D-(II) </td> </tr> </table>	Ans	<input checked="" type="checkbox"/> 1. A-(I), B-(III), C-(II), D-(IV) <input checked="" type="checkbox"/> 2. A-(IV), B-(II), C-(III), D-(I) <input checked="" type="checkbox"/> 3. A-(IV), B-(III), C-(II), D-(I) <input checked="" type="checkbox"/> 4. A-(IV), B-(III), C-(I), D-(II)														
Ans	<input checked="" type="checkbox"/> 1. A-(I), B-(III), C-(II), D-(IV) <input checked="" type="checkbox"/> 2. A-(IV), B-(II), C-(III), D-(I) <input checked="" type="checkbox"/> 3. A-(IV), B-(III), C-(II), D-(I) <input checked="" type="checkbox"/> 4. A-(IV), B-(III), C-(I), D-(II)																
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Option 3 ID :	441009621347																
Option 4 ID :	441009621350																
Status :	Answered																
Chosen Option :	3																
<p>Q.5 A fruit seller had some apples. He sells 40% of the apples and now has 900 apples. How many apples did he originally have?</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Ans</td> <td> <input checked="" type="checkbox"/> 1. 1350 <input checked="" type="checkbox"/> 2. 1500 <input checked="" type="checkbox"/> 3. 2250 <input checked="" type="checkbox"/> 4. 1800 </td> </tr> </table>	Ans	<input checked="" type="checkbox"/> 1. 1350 <input checked="" type="checkbox"/> 2. 1500 <input checked="" type="checkbox"/> 3. 2250 <input checked="" type="checkbox"/> 4. 1800														
Ans	<input checked="" type="checkbox"/> 1. 1350 <input checked="" type="checkbox"/> 2. 1500 <input checked="" type="checkbox"/> 3. 2250 <input checked="" type="checkbox"/> 4. 1800																
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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	<input checked="" type="checkbox"/> 1. 3.33 J <input checked="" type="checkbox"/> 2. 840 J <input checked="" type="checkbox"/> 3. 120 J <input checked="" type="checkbox"/> 4. 720 J																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153508</td></tr> <tr><td>Option 1 ID :</td><td>441009609203</td></tr> <tr><td>Option 2 ID :</td><td>441009609204</td></tr> <tr><td>Option 3 ID :</td><td>441009609202</td></tr> <tr><td>Option 4 ID :</td><td>441009609205</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 :	441009153508	Option 1 ID :	441009609203	Option 2 ID :	441009609204	Option 3 ID :	441009609202	Option 4 ID :	441009609205	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 434 <input checked="" type="checkbox"/> 2. 432 <input checked="" type="checkbox"/> 3. 433 <input checked="" type="checkbox"/> 4. 431																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009160922</td></tr> <tr><td>Option 1 ID :</td><td>441009637396</td></tr> <tr><td>Option 2 ID :</td><td>441009637394</td></tr> <tr><td>Option 3 ID :</td><td>441009637395</td></tr> <tr><td>Option 4 ID :</td><td>441009637393</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 :	441009160922	Option 1 ID :	441009637396	Option 2 ID :	441009637394	Option 3 ID :	441009637395	Option 4 ID :	441009637393	Status :	Answered	Chosen Option :	2
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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	<input checked="" type="checkbox"/> 1. A continuous thick or wide line along which the prints are trimmed <input checked="" type="checkbox"/> 2. The thickness of the line of a letter <input checked="" type="checkbox"/> 3. A numerical value expressed in an appropriate unit of measurement <input checked="" type="checkbox"/> 4. A line that is drawn to make a section evident																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156548</td></tr> <tr><td>Option 1 ID :</td><td>441009621357</td></tr> <tr><td>Option 2 ID :</td><td>441009621356</td></tr> <tr><td>Option 3 ID :</td><td>441009621355</td></tr> <tr><td>Option 4 ID :</td><td>441009621358</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 :	441009156548	Option 1 ID :	441009621357	Option 2 ID :	441009621356	Option 3 ID :	441009621355	Option 4 ID :	441009621358	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 7.7 <input checked="" type="checkbox"/> 2. 10.9 <input checked="" type="checkbox"/> 3. 3.1 <input checked="" type="checkbox"/> 4. 5.8																
<table border="1" style="margin-left: auto; margin-right: 0; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153612</td></tr> <tr><td>Option 1 ID :</td><td>441009609619</td></tr> <tr><td>Option 2 ID :</td><td>441009609620</td></tr> <tr><td>Option 3 ID :</td><td>441009609621</td></tr> <tr><td>Option 4 ID :</td><td>441009609618</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 :	441009153612	Option 1 ID :	441009609619	Option 2 ID :	441009609620	Option 3 ID :	441009609621	Option 4 ID :	441009609618	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																
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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	<input checked="" type="checkbox"/> 1. Setting the homepage to a frequently visited website for quick access <input checked="" type="checkbox"/> 2. Enabling pop-ups for all websites to improve user experience <input checked="" type="checkbox"/> 3. Disabling the browser's cache to improve website loading times <input checked="" type="checkbox"/> 4. Configuring the browser to block third-party cookies and enabling HTTPS-only mode																
<table border="1" style="margin-left: auto; margin-right: 0; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156671</td></tr> <tr><td>Option 1 ID :</td><td>441009621850</td></tr> <tr><td>Option 2 ID :</td><td>441009621847</td></tr> <tr><td>Option 3 ID :</td><td>441009621848</td></tr> <tr><td>Option 4 ID :</td><td>441009621849</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 :	441009156671	Option 1 ID :	441009621850	Option 2 ID :	441009621847	Option 3 ID :	441009621848	Option 4 ID :	441009621849	Status :	Answered	Chosen Option :	4
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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	<input checked="" type="checkbox"/> 1. A sprinter running a 100-metre race with varying speed <input checked="" type="checkbox"/> 2. A train moving at a constant speed on a straight track <input checked="" type="checkbox"/> 3. A ball rolling down a slope <input checked="" type="checkbox"/> 4. A vehicle moving through a crowded area																
<table border="1" style="margin-left: auto; margin-right: 0; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153530</td></tr> <tr><td>Option 1 ID :</td><td>441009609292</td></tr> <tr><td>Option 2 ID :</td><td>441009609290</td></tr> <tr><td>Option 3 ID :</td><td>441009609293</td></tr> <tr><td>Option 4 ID :</td><td>441009609291</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 :	441009153530	Option 1 ID :	441009609292	Option 2 ID :	441009609290	Option 3 ID :	441009609293	Option 4 ID :	441009609291	Status :	Answered	Chosen Option :	2
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Question ID :	441009153530																
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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:																	
Ans	<input checked="" type="checkbox"/> 1. 20 cm <input checked="" type="checkbox"/> 2. 36 cm <input checked="" type="checkbox"/> 3. 34 cm <input checked="" type="checkbox"/> 4. 24 cm																	
<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153673</td></tr> <tr><td>Option 1 ID :</td><td>441009609863</td></tr> <tr><td>Option 2 ID :</td><td>441009609864</td></tr> <tr><td>Option 3 ID :</td><td>441009609865</td></tr> <tr><td>Option 4 ID :</td><td>441009609862</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 :	441009153673	Option 1 ID :	441009609863	Option 2 ID :	441009609864	Option 3 ID :	441009609865	Option 4 ID :	441009609862	Status :	Answered	Chosen Option :	4
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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.																	
Ans	<input checked="" type="checkbox"/> 1. 5,510 <input checked="" type="checkbox"/> 2. 5,910 <input checked="" type="checkbox"/> 3. 5,760 <input checked="" type="checkbox"/> 4. 5,610																	
<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153601</td></tr> <tr><td>Option 1 ID :</td><td>441009609575</td></tr> <tr><td>Option 2 ID :</td><td>441009609577</td></tr> <tr><td>Option 3 ID :</td><td>441009609574</td></tr> <tr><td>Option 4 ID :</td><td>441009609576</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 :	441009153601	Option 1 ID :	441009609575	Option 2 ID :	441009609577	Option 3 ID :	441009609574	Option 4 ID :	441009609576	Status :	Answered	Chosen Option :	3
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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 _____.																	
Ans	<input checked="" type="checkbox"/> 1. 2400 J <input checked="" type="checkbox"/> 2. 1000 J <input checked="" type="checkbox"/> 3. 500 J <input checked="" type="checkbox"/> 4. 40 J																	
<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153491</td></tr> <tr><td>Option 1 ID :</td><td>441009609137</td></tr> <tr><td>Option 2 ID :</td><td>441009609134</td></tr> <tr><td>Option 3 ID :</td><td>441009609135</td></tr> <tr><td>Option 4 ID :</td><td>441009609136</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 :	441009153491	Option 1 ID :	441009609137	Option 2 ID :	441009609134	Option 3 ID :	441009609135	Option 4 ID :	441009609136	Status :	Answered	Chosen Option :	4
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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	A person saves 50% of his income. If his expenditure is ₹640, then his income (in ₹) is:																
9																	
Ans	<input checked="" type="checkbox"/> 1. 600 <input checked="" type="checkbox"/> 2. 1,320 <input checked="" type="checkbox"/> 3. 1,280 <input checked="" type="checkbox"/> 4. 560																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153622</td></tr> <tr><td>Option 1 ID :</td><td>441009609659</td></tr> <tr><td>Option 2 ID :</td><td>441009609661</td></tr> <tr><td>Option 3 ID :</td><td>441009609658</td></tr> <tr><td>Option 4 ID :</td><td>441009609660</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 :	441009153622	Option 1 ID :	441009609659	Option 2 ID :	441009609661	Option 3 ID :	441009609658	Option 4 ID :	441009609660	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																
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Option 2 ID :	441009609661																
Option 3 ID :	441009609658																
Option 4 ID :	441009609660																
Status :	Answered																
Chosen Option :	3																
Q.7	In a certain code language, 'BORE' is coded as '8624' and 'TABS' is coded as '3217'. 0 What is the code for 'B' in the given code language?																
Ans	<input checked="" type="checkbox"/> 1. 7 <input checked="" type="checkbox"/> 2. 2 <input checked="" type="checkbox"/> 3. 8 <input checked="" type="checkbox"/> 4. 1																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155624</td></tr> <tr><td>Option 1 ID :</td><td>441009617665</td></tr> <tr><td>Option 2 ID :</td><td>441009617663</td></tr> <tr><td>Option 3 ID :</td><td>441009617666</td></tr> <tr><td>Option 4 ID :</td><td>441009617664</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 :	441009155624	Option 1 ID :	441009617665	Option 2 ID :	441009617663	Option 3 ID :	441009617666	Option 4 ID :	441009617664	Status :	Answered	Chosen Option :	2
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Option 1 ID :	441009617665																
Option 2 ID :	441009617663																
Option 3 ID :	441009617666																
Option 4 ID :	441009617664																
Status :	Answered																
Chosen Option :	2																
Q.7	How do we find absolute error? 1																
Ans	<input checked="" type="checkbox"/> 1. Absolute error = Actual value + observed value <input checked="" type="checkbox"/> 2. Absolute error = Actual value - observed value <input checked="" type="checkbox"/> 3. Absolute error = Actual value × observed value <input checked="" type="checkbox"/> 4. Absolute error = Actual value/observed value																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153558</td></tr> <tr><td>Option 1 ID :</td><td>441009609403</td></tr> <tr><td>Option 2 ID :</td><td>441009609402</td></tr> <tr><td>Option 3 ID :</td><td>441009609404</td></tr> <tr><td>Option 4 ID :</td><td>441009609405</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 :	441009153558	Option 1 ID :	441009609403	Option 2 ID :	441009609402	Option 3 ID :	441009609404	Option 4 ID :	441009609405	Status :	Answered	Chosen Option :	2
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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 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 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 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	<input checked="" type="checkbox"/> 1. 21 years <input checked="" type="checkbox"/> 2. 16 years <input checked="" type="checkbox"/> 3. 20 years <input checked="" type="checkbox"/> 4. 18 years																	
		<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153587</td></tr> <tr><td>Option 1 ID :</td><td>441009609518</td></tr> <tr><td>Option 2 ID :</td><td>441009609521</td></tr> <tr><td>Option 3 ID :</td><td>441009609519</td></tr> <tr><td>Option 4 ID :</td><td>441009609520</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>4</td></tr> </tbody> </table>	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
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	<input checked="" type="checkbox"/> 1. কম্বলের মধ্যে আটকে থাকা বাতাস তাপের কুপরিবাহী <input checked="" type="checkbox"/> 2. দুটি কম্বলের মধ্যে ঘর্ষণ তাপ উৎপন্ন করে <input checked="" type="checkbox"/> 3. দুটি কম্বল একটি পুরু কম্বলের চেয়ে সস্তা <input checked="" type="checkbox"/> 4. পার্শ্ববর্তী পরিবেশের তুলনায় কম্বলগুলির তাপমাত্রা বেশি																	
		<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009154516</td></tr> <tr><td>Option 1 ID :</td><td>441009613227</td></tr> <tr><td>Option 2 ID :</td><td>441009613228</td></tr> <tr><td>Option 3 ID :</td><td>441009613226</td></tr> <tr><td>Option 4 ID :</td><td>441009613229</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>1</td></tr> </tbody> </table>	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
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	<input checked="" type="checkbox"/> 1. Data encapsulation <input checked="" type="checkbox"/> 2. Reliable data transfer and error correction <input checked="" type="checkbox"/> 3. IP addressing <input checked="" type="checkbox"/> 4. Routing of packets																	
		<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156670</td></tr> <tr><td>Option 1 ID :</td><td>441009621843</td></tr> <tr><td>Option 2 ID :</td><td>441009621845</td></tr> <tr><td>Option 3 ID :</td><td>441009621846</td></tr> <tr><td>Option 4 ID :</td><td>441009621844</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>4</td></tr> </tbody> </table>	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
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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	<input checked="" type="checkbox"/> 1. বস্তু 2 থেকে বস্তু 1 এ তাপ স্থানান্তরিত হয়। <input checked="" type="checkbox"/> 2. কোনো তাপ স্থানান্তরিত হয় না। <input checked="" type="checkbox"/> 3. বস্তু 1 থেকে বস্তু 2 এ তাপ স্থানান্তরিত হয়। <input checked="" type="checkbox"/> 4. উভয় বস্তু একে অপরের সঙ্গে তাপ বিনিময় করে।																
<table border="1"> <tbody> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009154526</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009613267</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009613268</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009613266</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009613269</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>2</td> </tr> </tbody> </table>		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
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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	<input checked="" type="checkbox"/> 1. 2 <input checked="" type="checkbox"/> 2. 3 <input checked="" type="checkbox"/> 3. 4 <input checked="" type="checkbox"/> 4. 1																
<table border="1"> <tbody> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009153559</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009609407</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009609408</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009609409</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009609406</td> </tr> <tr> <td>Status :</td> <td>Answered</td> </tr> <tr> <td>Chosen Option :</td> <td>2</td> </tr> </tbody> </table>		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
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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	<input checked="" type="checkbox"/> 1. 16% <input checked="" type="checkbox"/> 2. 15% <input checked="" type="checkbox"/> 3. 18% <input checked="" type="checkbox"/> 4. 10%																
<table border="1"> <tbody> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009153608</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009609605</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009609602</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009609604</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009609603</td> </tr> <tr> <td>Status :</td> <td>Marked For Review</td> </tr> <tr> <td>Chosen Option :</td> <td>2</td> </tr> </tbody> </table>		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
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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	<input checked="" type="checkbox"/> 1. Aluminium rod <input checked="" type="checkbox"/> 2. Steel spoon <input checked="" type="checkbox"/> 3. Wool <input checked="" type="checkbox"/> 4. Copper																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009154517</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009613233</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009613232</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009613231</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009613230</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 :	441009154517	Option 1 ID :	441009613233	Option 2 ID :	441009613232	Option 3 ID :	441009613231	Option 4 ID :	441009613230	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 7 <input checked="" type="checkbox"/> 2. 11 <input checked="" type="checkbox"/> 3. 3 <input checked="" type="checkbox"/> 4. 9																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009153557</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009609399</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009609401</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009609398</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009609400</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 :	441009153557	Option 1 ID :	441009609399	Option 2 ID :	441009609401	Option 3 ID :	441009609398	Option 4 ID :	441009609400	Status :	Answered	Chosen Option :	1
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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	<input checked="" type="checkbox"/> 1. তিন <input checked="" type="checkbox"/> 2. এক <input checked="" type="checkbox"/> 3. দুই <input checked="" type="checkbox"/> 4. চার																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009155662</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009617817</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009617815</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009617816</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009617818</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 :	441009155662	Option 1 ID :	441009617817	Option 2 ID :	441009617815	Option 3 ID :	441009617816	Option 4 ID :	441009617818	Status :	Answered	Chosen Option :	4
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	<input checked="" type="checkbox"/> 1. potential energy <input checked="" type="checkbox"/> 2. light energy <input checked="" type="checkbox"/> 3. kinetic energy <input checked="" type="checkbox"/> 4. heat energy																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153499</td></tr> <tr><td>Option 1 ID :</td><td>441009609168</td></tr> <tr><td>Option 2 ID :</td><td>441009609166</td></tr> <tr><td>Option 3 ID :</td><td>441009609169</td></tr> <tr><td>Option 4 ID :</td><td>441009609167</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 :	441009153499	Option 1 ID :	441009609168	Option 2 ID :	441009609166	Option 3 ID :	441009609169	Option 4 ID :	441009609167	Status :	Answered	Chosen Option :	3
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	<input checked="" type="checkbox"/> 1. The potential energy would increase while the kinetic energy would decrease. <input checked="" type="checkbox"/> 2. The potential energy and kinetic energy will both increase. <input checked="" type="checkbox"/> 3. The kinetic energy and potential energy will not change. <input checked="" type="checkbox"/> 4. The potential energy would decrease while the kinetic energy would increase.																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153509</td></tr> <tr><td>Option 1 ID :</td><td>441009609208</td></tr> <tr><td>Option 2 ID :</td><td>441009609206</td></tr> <tr><td>Option 3 ID :</td><td>441009609207</td></tr> <tr><td>Option 4 ID :</td><td>441009609209</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 :	441009153509	Option 1 ID :	441009609208	Option 2 ID :	441009609206	Option 3 ID :	441009609207	Option 4 ID :	441009609209	Status :	Answered	Chosen Option :	4
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	জীবাশ্ম জ্বালানির পরিবর্তে সৌরশক্তি ব্যবহারের প্রধান সুবিধা কী?																
Ans	<input checked="" type="checkbox"/> 1. সৌরশক্তি ব্যবহার করলে গ্রিনহাউস গ্যাসের নির্গমন বেশি হয়। <input checked="" type="checkbox"/> 2. জীবাশ্ম জ্বালানির তুলনায় সৌরশক্তি উৎপাদনের জন্য অধিক পরিচালন খরচ প্রয়োজন হয়। <input checked="" type="checkbox"/> 3. সৌরশক্তির জন্য খনন ও উত্তোলনের প্রয়োজন হয়, অন্যদিকে জীবাশ্ম জ্বালানি বিনামূল্যে পাওয়া যায়। <input checked="" type="checkbox"/> 4. সৌরশক্তি প্রচুর পরিমাণে পাওয়া যায় এবং প্রকৃতিতে পুনর্নবীকরণযোগ্য।																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009158533</td></tr> <tr><td>Option 1 ID :</td><td>441009629069</td></tr> <tr><td>Option 2 ID :</td><td>441009629067</td></tr> <tr><td>Option 3 ID :</td><td>441009629070</td></tr> <tr><td>Option 4 ID :</td><td>441009629068</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 :	441009158533	Option 1 ID :	441009629069	Option 2 ID :	441009629067	Option 3 ID :	441009629070	Option 4 ID :	441009629068	Status :	Answered	Chosen Option :	4
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

<input checked="" type="checkbox"/>	1. 48 – 96 – 156 – 52
<input type="checkbox"/>	2. 53 – 106 – 166 – 55
<input type="checkbox"/>	3. 132 – 264 – 444 – 138
<input type="checkbox"/>	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

<input type="checkbox"/>	1. 40 m/s
<input type="checkbox"/>	2. 0.16 m/s
<input type="checkbox"/>	3. 16 m/s
<input checked="" type="checkbox"/>	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

<p>Q.9 4</p>	<p>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.)</p>																
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. 28 m</p> <p><input type="checkbox"/> 2. 25 m</p> <p><input type="checkbox"/> 3. 31 m</p> <p><input type="checkbox"/> 4. 26 m</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155634</td></tr> <tr><td>Option 1 ID :</td><td>441009617703</td></tr> <tr><td>Option 2 ID :</td><td>441009617704</td></tr> <tr><td>Option 3 ID :</td><td>441009617706</td></tr> <tr><td>Option 4 ID :</td><td>441009617705</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 :	441009155634	Option 1 ID :	441009617703	Option 2 ID :	441009617704	Option 3 ID :	441009617706	Option 4 ID :	441009617705	Status :	Answered	Chosen Option :	1
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																
<p>Q.9 5</p>	<p>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:</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 13%</p> <p><input type="checkbox"/> 2. 11%</p> <p><input type="checkbox"/> 3. 14%</p> <p><input checked="" type="checkbox"/> 4. 12%</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153603</td></tr> <tr><td>Option 1 ID :</td><td>441009609584</td></tr> <tr><td>Option 2 ID :</td><td>441009609583</td></tr> <tr><td>Option 3 ID :</td><td>441009609585</td></tr> <tr><td>Option 4 ID :</td><td>441009609582</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 :	441009153603	Option 1 ID :	441009609584	Option 2 ID :	441009609583	Option 3 ID :	441009609585	Option 4 ID :	441009609582	Status :	Marked For Review	Chosen Option :	4
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																

<p>Q.9</p> <p>6</p>	<p>What should come in place of the question mark (?) in the given series? 87 118 149 ? 211 242</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 199</p> <p><input type="checkbox"/> 2. 171</p> <p><input type="checkbox"/> 3. 188</p> <p><input checked="" type="checkbox"/> 4. 180</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155605</td></tr> <tr><td>Option 1 ID :</td><td>441009617590</td></tr> <tr><td>Option 2 ID :</td><td>441009617587</td></tr> <tr><td>Option 3 ID :</td><td>441009617589</td></tr> <tr><td>Option 4 ID :</td><td>441009617588</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 :	441009155605	Option 1 ID :	441009617590	Option 2 ID :	441009617587	Option 3 ID :	441009617589	Option 4 ID :	441009617588	Status :	Answered	Chosen Option :	4
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																
<p>Q.9</p> <p>7</p>	<p>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:</p>																
<p>Ans</p>	<p><input type="checkbox"/> 1. 31</p> <p><input type="checkbox"/> 2. 28.6</p> <p><input checked="" type="checkbox"/> 3. 29.5</p> <p><input type="checkbox"/> 4. 27</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153599</td></tr> <tr><td>Option 1 ID :</td><td>441009609569</td></tr> <tr><td>Option 2 ID :</td><td>441009609567</td></tr> <tr><td>Option 3 ID :</td><td>441009609566</td></tr> <tr><td>Option 4 ID :</td><td>441009609568</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 :	441009153599	Option 1 ID :	441009609569	Option 2 ID :	441009609567	Option 3 ID :	441009609566	Option 4 ID :	441009609568	Status :	Answered	Chosen Option :	3
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	<input checked="" type="checkbox"/> 1. Brother's wife's father's father <input checked="" type="checkbox"/> 2. Brother's wife's father <input checked="" type="checkbox"/> 3. Brother's wife's father's brother <input checked="" type="checkbox"/> 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	অব্যবহৃত বৈদ্যুতিক যন্ত্রগুলি বন্ধ করে দেওয়া, কীভাবে বিদ্যুৎশক্তি সংরক্ষণে অবদান রাখে?
Ans	<input checked="" type="checkbox"/> 1. বৈদ্যুতিক যন্ত্রগুলির অবনতি ঘটিয়ে <input checked="" type="checkbox"/> 2. ইউটিলিটি বিল কমিয়ে <input checked="" type="checkbox"/> 3. যন্ত্রগুলির কর্মক্ষমতা উন্নত করে <input checked="" type="checkbox"/> 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	Match the following.
00	(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	<input checked="" type="checkbox"/> 1. A-S, B-R, C-Q, D-P <input checked="" type="checkbox"/> 2. A-R, B-S, C-Q, D-P <input checked="" type="checkbox"/> 3. A-P, B-R, C-Q, D-S <input checked="" type="checkbox"/> 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	<input checked="" type="checkbox"/> 1. Quick measurements over a wide range <input checked="" type="checkbox"/> 2. Subject to parallax error <input checked="" type="checkbox"/> 3. More accurate due to line thickness <input checked="" type="checkbox"/> 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 সমবায় সংযুক্ত আছে। তাপমাত্রা বৃদ্ধি পেলে আউটপুট ভোল্টেজে কী পরিবর্তন হবে?

Ans 1. আউটপুট ভোল্টেজ ধ্রুবক থাকবে।

2. রোধকের মানের (resistor value) উপর নির্ভর করে আউটপুট ভোল্টেজের মান ওঠানামা 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	<input checked="" type="checkbox"/> 1. 1 minute <input type="checkbox"/> 2. 1 degree <input type="checkbox"/> 3. 30 degrees <input type="checkbox"/> 4. 30 minutes																
<table border="1" style="border-collapse: collapse; width: 100%;"> <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 :	--
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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	<input type="checkbox"/> 1. Soldering <input checked="" type="checkbox"/> 2. Welding <input type="checkbox"/> 3. Tape <input type="checkbox"/> 4. Bolts and nuts																
<table border="1" style="border-collapse: collapse; width: 100%;"> <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
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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	<input checked="" type="checkbox"/> 1. At the top <input type="checkbox"/> 2. In the centre <input type="checkbox"/> 3. At the bottom <input type="checkbox"/> 4. On the side																
<table border="1" style="border-collapse: collapse; width: 100%;"> <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 :	--
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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	<input checked="" type="checkbox"/> 1. 60° <input checked="" type="checkbox"/> 2. 120° <input checked="" type="checkbox"/> 3. 30° <input checked="" type="checkbox"/> 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 :	--
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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	<input checked="" type="checkbox"/> 1. To increase the voltage capacity of the cable <input checked="" type="checkbox"/> 2. To prevent heat loss from the cable <input checked="" type="checkbox"/> 3. To increase the current-carrying capacity of the cable <input checked="" type="checkbox"/> 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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Option 3 ID :	441009621290																
Option 4 ID :	441009621289																
Status :	Answered																
Chosen Option :	4																
Q.1 2	DC মোটর রিওয়াইন্ড করার প্রথম ধাপ কী?																
Ans	<input checked="" type="checkbox"/> 1. স্লটে নতুন কয়েল প্রবর্তিত করা <input checked="" type="checkbox"/> 2. কয়েল ওয়াইন্ডিং মেশিন প্রস্তুত করা <input checked="" type="checkbox"/> 3. ক্রটির জন্য আর্মেচার পরীক্ষা করা <input checked="" type="checkbox"/> 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
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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	<p>✗ 1. Voltage regulation = $\frac{V_{noload} - V_{load}}{V_{noload}} \times 100$</p> <p>✓ 2. Voltage regulation = $\frac{V_{noload} - V_{load}}{V_{load}} \times 100$</p> <p>✗ 3. Voltage regulation = $\frac{V_{noload} - V_{noload}}{V_{load}} \times 100$</p> <p>✗ 4. Voltage regulation = $\frac{V_{load} - V_{noload}}{V_{load}} \times 100$</p>																
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Q.1 4	ইঞ্জিনিয়ারিং ড্রয়িং এ নন-ফাংশনাল ডাইমেনশন (NF) সম্পর্কে কোন বিবৃতিটি সত্য?																
Ans	<p>বিবৃতি 1: নন-ফাংশনাল ডাইমেনশনগুলিকে সীমাহীন হিসেবে দেখানো হয়, কারণ এগুলি উপাদান বা স্থানের কার্যকারিতাকে (functionality) প্রভাবিত করে না।</p> <p>বিবৃতি 2: নন-ফাংশনাল ডাইমেনশনগুলি সাধারণত রেফারেন্সের উদ্দেশ্যে ব্যবহৃত হয় এবং উপাদান বা স্থানের সমাবেশ (assembly) বা কর্মক্ষমতাকে (performance) প্রভাবিত করে না।</p> <p>✗ 1. দুটি বিবৃতিই সত্য</p> <p>✓ 2. শুধু বিবৃতি 2 সত্য</p> <p>✗ 3. শুধু বিবৃতি 1 সত্য</p> <p>✗ 4. কোনো বিবৃতিই সত্য নয়</p>																
<table border="1"> <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 :	--
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Option 4 ID :	441009621434																
Status :	Not Answered																
Chosen Option :	--																

<p>Q.1 5</p>	<p>Which of the following care and maintenance of a marking table is INCORRECT?</p>																
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. The marking table should be protected from rust.</p> <p><input checked="" type="checkbox"/> 2. After use, the marking table should be cleaned with a soft cloth.</p> <p><input checked="" type="checkbox"/> 3. The marking table should be protected from damage.</p> <p><input checked="" type="checkbox"/> 4. The surface of the marking table should not be given a thin layer of oil.</p>																
<table border="1" style="border-collapse: collapse; width: 100%;"> <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 :	--
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Status :	Not Answered																
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<p>Q.1 6</p>	<p>Read the Assertion (A) and Reason (R) carefully, and select the correct option.</p> <p>Assertion (A): The earth resistance must be kept as low as possible to ensure that the earthing system is effective during fault conditions.</p> <p>Reason (R): A low resistance allows fault current to flow easily into the ground, ensuring safety by preventing electrical hazards.</p>																
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. Both Assertion (A) and Reason (R) are correct, but the reason does not correctly explain the assertion.</p> <p><input checked="" type="checkbox"/> 2. Assertion (A) is correct, but Reason (R) is incorrect.</p> <p><input checked="" type="checkbox"/> 3. Assertion (A) is incorrect, but Reason (R) is correct.</p> <p><input checked="" type="checkbox"/> 4. Both Assertion (A) and Reason (R) are correct, and the reason correctly explains the assertion.</p>																
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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	<input checked="" type="checkbox"/> 1. Offset screwdriver <input checked="" type="checkbox"/> 2. Cross-recess screwdriver <input checked="" type="checkbox"/> 3. Stumpy screwdriver <input checked="" type="checkbox"/> 4. Ratchet screwdriver																
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Q.1 8	In crane and hoist applications, why is a DC series motor preferred over a DC shunt motor?																
Ans	<input checked="" type="checkbox"/> 1. It consumes less power at no load. <input checked="" type="checkbox"/> 2. It provides a high starting torque, which is required for lifting loads. <input checked="" type="checkbox"/> 3. It requires minimal maintenance compared to other motors. <input checked="" type="checkbox"/> 4. It maintains constant speed regardless of load variations.																
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Option 4 ID :	441009622412																
Status :	Answered																
Chosen Option :	2																
Q.1 9	In a transformer, insulation resistance test is carried out to measure:																
Ans	<input checked="" type="checkbox"/> 1. the inductance between different parts of the transformer <input checked="" type="checkbox"/> 2. the resistance of the insulation between windings and core <input checked="" type="checkbox"/> 3. magnetic flux <input checked="" type="checkbox"/> 4. frequency																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156892</td></tr> <tr><td>Option 1 ID :</td><td>441009622731</td></tr> <tr><td>Option 2 ID :</td><td>441009622733</td></tr> <tr><td>Option 3 ID :</td><td>441009622732</td></tr> <tr><td>Option 4 ID :</td><td>441009622734</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 :	441009156892	Option 1 ID :	441009622731	Option 2 ID :	441009622733	Option 3 ID :	441009622732	Option 4 ID :	441009622734	Status :	Answered	Chosen Option :	2
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Chosen Option :	2																

Q.2 0	আর্থিং সিস্টেম পরিমাপ প্রসঙ্গে, 'আর্থ রেজিস্ট্যান্স' বলতে কী বোঝায়?																	
Ans	<input checked="" type="checkbox"/> 1. 1 মিটার দূরত্বে ভূমির যে কোনও দুটি পয়েন্টের মধ্যে রোধ <input checked="" type="checkbox"/> 2. মাটির, কারেন্ট প্রবাহ রোধ করার ক্ষমতা <input checked="" type="checkbox"/> 3. আর্থিং সিস্টেম সক্রিয় করার জন্য প্রয়োজনীয় ভোল্টেজ <input checked="" type="checkbox"/> 4. লাইভ ওয়্যার এবং মাটির মধ্যে রোধ	<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156842</td></tr> <tr><td>Option 1 ID :</td><td>441009622534</td></tr> <tr><td>Option 2 ID :</td><td>441009622531</td></tr> <tr><td>Option 3 ID :</td><td>441009622532</td></tr> <tr><td>Option 4 ID :</td><td>441009622533</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>4</td></tr> </tbody> </table>	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
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Option 4 ID :	441009622533																	
Status :	Answered																	
Chosen Option :	4																	
Q.2 1	The back pitch of an armature winding affects:																	
Ans	<input checked="" type="checkbox"/> 1. the distribution of the armature winding <input checked="" type="checkbox"/> 2. the type of winding used <input checked="" type="checkbox"/> 3. the number of commutator segments <input checked="" type="checkbox"/> 4. the number of coils per pole	<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009240836</td></tr> <tr><td>Option 1 ID :</td><td>441009941302</td></tr> <tr><td>Option 2 ID :</td><td>441009941304</td></tr> <tr><td>Option 3 ID :</td><td>441009941303</td></tr> <tr><td>Option 4 ID :</td><td>441009941301</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>1</td></tr> </tbody> </table>	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
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Option 4 ID :	441009941301																	
Status :	Answered																	
Chosen Option :	1																	
Q.2 2	গাড়িতে ট্রেডেড টায়ার থাকে কেন?																	
Ans	<input checked="" type="checkbox"/> 1. রাস্তায় ঘর্ষণ এবং গ্রিপ বাড়ানোর জন্য <input checked="" type="checkbox"/> 2. ঘর্ষণ কমানোর জন্য <input checked="" type="checkbox"/> 3. ওজন কমানোর জন্য <input checked="" type="checkbox"/> 4. গতি বাড়ানোর জন্য	<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156649</td></tr> <tr><td>Option 1 ID :</td><td>441009621760</td></tr> <tr><td>Option 2 ID :</td><td>441009621762</td></tr> <tr><td>Option 3 ID :</td><td>441009621759</td></tr> <tr><td>Option 4 ID :</td><td>441009621761</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>1</td></tr> </tbody> </table>	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
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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	<input checked="" type="checkbox"/> 1. The conductor absorbs heat from the surrounding environment. <input checked="" type="checkbox"/> 2. The movement of electrons causes heat generation. <input checked="" type="checkbox"/> 3. The movement of protons causes heat generation. <input checked="" type="checkbox"/> 4. The electric field in the conductor causes heat generation.																	
		<table border="1"> <tbody> <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> </tbody> </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
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Option 4 ID :	441009621262																	
Status :	Answered																	
Chosen Option :	2																	
Q.2 4	যানবাহনের রোড টেস্ট পরিচালনার প্রাথমিক কারণ কী?																	
Ans	<input checked="" type="checkbox"/> 1. গাড়িটি কত দ্রুত যেতে পারে তা পরীক্ষা করা <input checked="" type="checkbox"/> 2. ফুয়েল এফিসিয়েন্সি বৃদ্ধি করা <input checked="" type="checkbox"/> 3. গাড়িটি নিরাপদে এবং সঠিকভাবে কাজ করছে কিনা তা নিশ্চিত করা <input checked="" type="checkbox"/> 4. পরিদর্শনের প্রয়োজন এড়াতে																	
		<table border="1"> <tbody> <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> </tbody> </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
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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	<input checked="" type="checkbox"/> 1. Wattmeter <input checked="" type="checkbox"/> 2. Megohmmeter <input checked="" type="checkbox"/> 3. Energy meter <input checked="" type="checkbox"/> 4. CRO																	
		<table border="1"> <tbody> <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> </tbody> </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
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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	<input checked="" type="checkbox"/> 1. 0.004 mm per 10 mm length <input checked="" type="checkbox"/> 2. 0.001 mm per 10 mm length <input checked="" type="checkbox"/> 3. 0.002 mm per 10 mm length <input checked="" type="checkbox"/> 4. 0.02 mm per 10 mm length																	
		<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009240891</td></tr> <tr><td>Option 1 ID :</td><td>441009941523</td></tr> <tr><td>Option 2 ID :</td><td>441009941521</td></tr> <tr><td>Option 3 ID :</td><td>441009941522</td></tr> <tr><td>Option 4 ID :</td><td>441009941524</td></tr> <tr><td>Status :</td><td>Not Answered</td></tr> <tr><td>Chosen Option :</td><td>--</td></tr> </tbody> </table>	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 :	--
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Status :	Not Answered																	
Chosen Option :	--																	
Q.2 7	180 ডিগ্রির চেয়ে বড় কোণকে _____ বলা হয়।																	
Ans	<input checked="" type="checkbox"/> 1. সূক্ষ্ম কোণ <input checked="" type="checkbox"/> 2. সমকোণ <input checked="" type="checkbox"/> 3. স্তূল কোণ <input checked="" type="checkbox"/> 4. প্রবৃত্ত কোণ																	
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Option 3 ID :	441009621319																	
Option 4 ID :	441009621322																	
Status :	Answered																	
Chosen Option :	4																	
Q.2 8	বার্ন ওয়াইন্ডিং ওয়্যার অপসারণ করার সময় স্ট্যাটর কোরকে ক্ষতি থেকে বাঁচানো কেন গুরুত্বপূর্ণ?																	
Ans	<input checked="" type="checkbox"/> 1. কোরের ক্ষতির ফলে মোটরের সামগ্রিক আকার বৃদ্ধি পাবে, যার ফলে এর কর্মক্ষমতা প্রভাবিত হবে। <input checked="" type="checkbox"/> 2. এটি মোটরের দক্ষতা হ্রাস এবং ক্ষতিগ্রস্ত কোর থেকে অচল চৌম্বকীয় প্রবাহ বিতরণের কারণ। <input checked="" type="checkbox"/> 3. ক্ষতিগ্রস্ত স্টেটর কোর দ্বারা উৎপন্ন অত্যধিক শক্তিশালী যান্ত্রিক কম্পনের ফলে সিস্টেমের অস্থিরতা দেখা দেয়। <input checked="" type="checkbox"/> 4. স্টেটর কোরকে ক্ষতিগ্রস্ত করে রিওয়াইন্ডিং করা সম্ভব নয়।																	
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Option 3 ID :	441009622349																	
Option 4 ID :	441009622350																	
Status :	Answered																	
Chosen Option :	4																	

Q.2 9	Transformer oil should have _____ dielectric strength and _____ viscosity.																
Ans	<input checked="" type="checkbox"/> 1. high; high <input checked="" type="checkbox"/> 2. high; low <input checked="" type="checkbox"/> 3. low; high <input checked="" type="checkbox"/> 4. low; low																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156888</td></tr> <tr><td>Option 1 ID :</td><td>441009622718</td></tr> <tr><td>Option 2 ID :</td><td>441009622716</td></tr> <tr><td>Option 3 ID :</td><td>441009622715</td></tr> <tr><td>Option 4 ID :</td><td>441009622717</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 :	441009156888	Option 1 ID :	441009622718	Option 2 ID :	441009622716	Option 3 ID :	441009622715	Option 4 ID :	441009622717	Status :	Answered	Chosen Option :	2
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Option 3 ID :	441009622715																
Option 4 ID :	441009622717																
Status :	Answered																
Chosen Option :	2																
Q.3 0	To minimise core losses in transformer, _____ material is used for core lamination.																
Ans	<input checked="" type="checkbox"/> 1. glass sheet <input checked="" type="checkbox"/> 2. plastic <input checked="" type="checkbox"/> 3. CRGO silicon steel sheet <input checked="" type="checkbox"/> 4. rubber																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156780</td></tr> <tr><td>Option 1 ID :</td><td>441009622284</td></tr> <tr><td>Option 2 ID :</td><td>441009622285</td></tr> <tr><td>Option 3 ID :</td><td>441009622283</td></tr> <tr><td>Option 4 ID :</td><td>441009622286</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 :	441009156780	Option 1 ID :	441009622284	Option 2 ID :	441009622285	Option 3 ID :	441009622283	Option 4 ID :	441009622286	Status :	Answered	Chosen Option :	3
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Option 3 ID :	441009622283																
Option 4 ID :	441009622286																
Status :	Answered																
Chosen Option :	3																
Q.3 1	What is the primary benefit of employing enamelled copper wire in the windings of alternating current motors?																
Ans	<input checked="" type="checkbox"/> 1. It is more economical than alternative materials. <input checked="" type="checkbox"/> 2. It diminishes the motor's dimensions. <input checked="" type="checkbox"/> 3. It enhances the thermal conductivity of the windings. <input checked="" type="checkbox"/> 4. It offers electrical insulation while maintaining a compact wire configuration.																
<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156806</td></tr> <tr><td>Option 1 ID :</td><td>441009622387</td></tr> <tr><td>Option 2 ID :</td><td>441009622388</td></tr> <tr><td>Option 3 ID :</td><td>441009622390</td></tr> <tr><td>Option 4 ID :</td><td>441009622389</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 :	441009156806	Option 1 ID :	441009622387	Option 2 ID :	441009622388	Option 3 ID :	441009622390	Option 4 ID :	441009622389	Status :	Answered	Chosen Option :	4
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Option 3 ID :	441009622390																
Option 4 ID :	441009622389																
Status :	Answered																
Chosen Option :	4																

Q.3 2	What is the objective of testing an earthing system?																
Ans	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: flex-start;"> ✔ 1. To ensure the system has a low resistance path to the earth </div> <div style="display: flex; align-items: flex-start;"> ✘ 2. To test the current capacity of the earthing system </div> <div style="display: flex; align-items: flex-start;"> ✘ 3. To check the voltage levels </div> <div style="display: flex; align-items: flex-start;"> ✘ 4. To measure the insulation resistance of cables </div> </div>																
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Option 4 ID :	441009622405																
Status :	Answered																
Chosen Option :	1																
Q.3 3	<p>A statement and conclusion for pictorial drawing are given below. Determine the logical relationship between them.</p> <p>Statement: Pictorial drawings are three-dimensional and provide a visual representation of an object.</p> <p>Conclusion: Therefore, pictorial drawings are useful for describing the shape of a piece part or component.</p>																
Ans	<div style="display: flex; flex-direction: column; gap: 5px;"> <div style="display: flex; align-items: flex-start;"> ✔ 1. The conclusion logically follows from the statement. </div> <div style="display: flex; align-items: flex-start;"> ✘ 2. The conclusion is unrelated to the statement. </div> <div style="display: flex; align-items: flex-start;"> ✘ 3. The conclusion is partially supported by the statement. </div> <div style="display: flex; align-items: flex-start;"> ✘ 4. The conclusion does not logically follow from the statement. </div> </div>																
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Option 4 ID :	441009621408																
Status :	Answered																
Chosen Option :	1																

<p>Q.3 4</p>	<p>For which of the following calipers, a screw and nut are provided for opening and closing the caliper legs?</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. Leg and point calipers</p> <p><input type="checkbox"/> 2. Simple calipers</p> <p><input checked="" type="checkbox"/> 3. Spring joint calipers</p> <p><input type="checkbox"/> 4. Firm joint calipers</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156632</td></tr> <tr><td>Option 1 ID :</td><td>441009621693</td></tr> <tr><td>Option 2 ID :</td><td>441009621694</td></tr> <tr><td>Option 3 ID :</td><td>441009621692</td></tr> <tr><td>Option 4 ID :</td><td>441009621691</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 :	441009156632	Option 1 ID :	441009621693	Option 2 ID :	441009621694	Option 3 ID :	441009621692	Option 4 ID :	441009621691	Status :	Not Answered	Chosen Option :	--
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Option 4 ID :	441009621691																	
Status :	Not Answered																	
Chosen Option :	--																	
<p>Q.3 5</p>	<p>The Insulation Resistance value for a transformer is measured in:</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. ohms</p> <p><input checked="" type="checkbox"/> 2. megaohms</p> <p><input type="checkbox"/> 3. kilohms</p> <p><input type="checkbox"/> 4. KVA</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156887</td></tr> <tr><td>Option 1 ID :</td><td>441009622713</td></tr> <tr><td>Option 2 ID :</td><td>441009622711</td></tr> <tr><td>Option 3 ID :</td><td>441009622712</td></tr> <tr><td>Option 4 ID :</td><td>441009622714</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 :	441009156887	Option 1 ID :	441009622713	Option 2 ID :	441009622711	Option 3 ID :	441009622712	Option 4 ID :	441009622714	Status :	Answered	Chosen Option :	2
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Option 4 ID :	441009622714																	
Status :	Answered																	
Chosen Option :	2																	
<p>Q.3 6</p>	<p>Which device is used to protect against electric shocks and fires caused by earth leakage currents?</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. MCCB</p> <p><input type="checkbox"/> 2. MCB</p> <p><input checked="" type="checkbox"/> 3. ELCB</p> <p><input type="checkbox"/> 4. ECB</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156889</td></tr> <tr><td>Option 1 ID :</td><td>441009622722</td></tr> <tr><td>Option 2 ID :</td><td>441009622719</td></tr> <tr><td>Option 3 ID :</td><td>441009622720</td></tr> <tr><td>Option 4 ID :</td><td>441009622721</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 :	441009156889	Option 1 ID :	441009622722	Option 2 ID :	441009622719	Option 3 ID :	441009622720	Option 4 ID :	441009622721	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. Tantalum capacitor <input checked="" type="checkbox"/> 2. Mica capacitor <input checked="" type="checkbox"/> 3. Ceramic capacitor <input checked="" type="checkbox"/> 4. Aluminium capacitor																	
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Option 4 ID :	441009622472																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.3 8	কোনটি একটি কর্মশালায় (workshop) একটি গুরুত্বপূর্ণ বৈদ্যুতিক সুরক্ষা টিপস?																	
Ans	<input checked="" type="checkbox"/> 1. যদি ডিভাইসটি কাজের উপযোগী হয়, তবে ক্ষয়প্রাপ্ত তারগুলি উপেক্ষা করা <input checked="" type="checkbox"/> 2. বৈদ্যুতিক সরঞ্জাম সঠিকভাবে গ্রাউন্ডেড আছে কিনা তা নিশ্চিত করা <input checked="" type="checkbox"/> 3. ভেজা হাতে মেশিন পরিচালনা করা <input checked="" type="checkbox"/> 4. বৈদ্যুতিক প্যানেল পরিষ্কার করতে জল ব্যবহার করা																	
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Option 1 ID :	441009621548																	
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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	<input checked="" type="checkbox"/> 1. To replace traditional safety measures <input checked="" type="checkbox"/> 2. To eliminate the need for maintenance <input checked="" type="checkbox"/> 3. To increase the number of safety regulations <input checked="" type="checkbox"/> 4. To improve workplace organisation and efficiency																	
		<table border="1"> <tbody> <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> </tbody> </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
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Option 4 ID :	441009621523																	
Status :	Answered																	
Chosen Option :	4																	

Q.4 0	আর্থিং সিস্টেম স্থাপনের সময় ইলেকট্রোড রেজিস্ট্যান্স পরিমাপের উদ্দেশ্য কী?																	
Ans	<input checked="" type="checkbox"/> 1. সিস্টেমের ইলেকট্রিক্যাল লোড ক্যাপাসিটি নির্ধারণ করা <input checked="" type="checkbox"/> 2. আর্থিং সিস্টেমে ফল্ট কারেন্ট অপচয়ের জন্য লো ইমপিডেন্স নিশ্চিত করা <input checked="" type="checkbox"/> 3. বৈদ্যুতিক সরঞ্জামের সঠিক গ্রাউন্ডিং নিশ্চিত করা <input checked="" type="checkbox"/> 4. সিস্টেমের ইনসুলেশন রেজিস্ট্যান্স পরিমাপ করা																	
		<table border="1"> <tbody> <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> </tbody> </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
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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	<input checked="" type="checkbox"/> 1. Variable and fixed capacitors <input checked="" type="checkbox"/> 2. Electrolytic and paper capacitors <input checked="" type="checkbox"/> 3. Ceramic and film capacitors <input checked="" type="checkbox"/> 4. Stacked foil and silvered mica capacitors																	
		<table border="1"> <tbody> <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> </tbody> </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 :	--
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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	<input checked="" type="checkbox"/> 1. Arc chute <input checked="" type="checkbox"/> 2. Solenoid <input checked="" type="checkbox"/> 3. Bimetallic strip <input checked="" type="checkbox"/> 4. Handle																	
		<table border="1"> <tbody> <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> </tbody> </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
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Question ID :	441009156893																	
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Option 4 ID :	441009622738																	
Status :	Answered																	
Chosen Option :	2																	

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

<p>Q.4</p>	<p>How should the electrode resistance be measured if multiple earthing electrodes are used in parallel?</p>	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. Measure electrode resistance individually and then average the values</p> <p><input checked="" type="checkbox"/> 2. Measure electrode resistance individually and then add it</p> <p><input checked="" type="checkbox"/> 3. Use a clamp meter to measure the resistance of parallel electrodes</p> <p><input checked="" type="checkbox"/> 4. Measure the total resistance of the combined electrodes in parallel</p>	

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	<input checked="" type="checkbox"/> 1. স্টেটর স্লটে অন্তরক উপাদান সন্নিবেশ <input checked="" type="checkbox"/> 2. প্রতিটি কয়েল ওয়াইন্ডিংয়ের রোধ পরিমাপ <input checked="" type="checkbox"/> 3. পুরো ওয়াইন্ডিং প্রক্রিয়া জুড়ে কয়েলে কুলিং এজেন্ট প্রয়োগ <input checked="" type="checkbox"/> 4. একই সঙ্গে অনেকগুলি কয়েল ওয়াইন্ডিং করা এবং উৎপাদন দক্ষতা বৃদ্ধি																
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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	<input checked="" type="checkbox"/> 1. Wire-wound resistor <input checked="" type="checkbox"/> 2. Film resistor <input checked="" type="checkbox"/> 3. Variable resistor <input checked="" type="checkbox"/> 4. Carbon composition resistor																
<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156923</td></tr> <tr><td>Option 1 ID :</td><td>441009622856</td></tr> <tr><td>Option 2 ID :</td><td>441009622857</td></tr> <tr><td>Option 3 ID :</td><td>441009622858</td></tr> <tr><td>Option 4 ID :</td><td>441009622855</td></tr> <tr><td>Status :</td><td>Not Answered</td></tr> <tr><td>Chosen Option :</td><td>--</td></tr> </tbody> </table>		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 :	--
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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	<input checked="" type="checkbox"/> 1. The length of the wire used <input checked="" type="checkbox"/> 2. The colour of the winding wire <input checked="" type="checkbox"/> 3. The weight of the coil <input checked="" type="checkbox"/> 4. The selection of winding wire and insulation																
<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156788</td></tr> <tr><td>Option 1 ID :</td><td>441009622316</td></tr> <tr><td>Option 2 ID :</td><td>441009622315</td></tr> <tr><td>Option 3 ID :</td><td>441009622318</td></tr> <tr><td>Option 4 ID :</td><td>441009622317</td></tr> <tr><td>Status :</td><td>Marked For Review</td></tr> <tr><td>Chosen Option :</td><td>4</td></tr> </tbody> </table>		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
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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	<input checked="" type="checkbox"/> 1. - 246 K <input checked="" type="checkbox"/> 2. - 300 K <input checked="" type="checkbox"/> 3. 246 K <input checked="" type="checkbox"/> 4. 300 K																
<table border="1"> <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
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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 μ H and 300 μ H, respectively. When a current of 1 A flows through coil A, it induces a flux linkage of 100 μ Wb turns in coil B. What is the mutual inductance between the coils?																
Ans	<input checked="" type="checkbox"/> 1. 300 μ H <input checked="" type="checkbox"/> 2. 100 μ H <input checked="" type="checkbox"/> 3. 50 μ H <input checked="" type="checkbox"/> 4. 120 μ H																
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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	<input checked="" type="checkbox"/> 1. No-load examination <input checked="" type="checkbox"/> 2. Current signature test <input checked="" type="checkbox"/> 3. Open circuit test <input checked="" type="checkbox"/> 4. Winding resistance test																
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Option 3 ID :	441009941310																
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Status :	Marked For Review																
Chosen Option :	4																

<p>Q.5 1</p>	<p>Which of the following is a major risk associated with fuel spillage?</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. Better lubrication for workshop floors</p> <p><input type="checkbox"/> 2. Reduced need for ventilation</p> <p><input checked="" type="checkbox"/> 3. Fire hazards and environmental contamination</p> <p><input type="checkbox"/> 4. Increased productivity</p>																	
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Option 3 ID :	441009621559																	
Option 4 ID :	441009621560																	
Status :	Answered																	
Chosen Option :	3																	
<p>Q.5 2</p>	<p>What is the term used to describe programs that distinguish between uppercase and lowercase letters, treating "yes" and "YES" as different inputs?</p>																	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. Case-sensitive</p> <p><input type="checkbox"/> 2. Numerical</p> <p><input type="checkbox"/> 3. Case-insensitive</p> <p><input type="checkbox"/> 4. Alphabetical</p>																	
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Option 4 ID :	441009621441																	
Status :	Marked For Review																	
Chosen Option :	1																	
<p>Q.5 3</p>	<p>_____ recommend(s) 20 mm wide margins for sheet sizes A0 and A1 in engineering drawings.</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. Grid reference system</p> <p><input type="checkbox"/> 2. Custom grids</p> <p><input checked="" type="checkbox"/> 3. Borders and frames: SP: 46 (2003)</p> <p><input type="checkbox"/> 4. Geographic coordinate systems</p>																	
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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	<p><input type="checkbox"/> 1. একটি সেকেন্ডারি সেল একটি প্রাইমারি সেলের তুলনায় বেশি শক্তি উৎপাদন করে।</p> <p><input type="checkbox"/> 2. প্রাইমারি এবং সেকেন্ডারি সেলের মধ্যে কোনো পার্থক্য নেই।</p> <p><input checked="" type="checkbox"/> 3. একটি প্রাইমারি সেল রিচার্জ করা যায় না, কিন্তু একটি সেকেন্ডারি সেল রিচার্জ করা যায়।</p> <p><input type="checkbox"/> 4. একটি প্রাইমারি সেল রিচার্জ করা যায়, কিন্তু একটি সেকেন্ডারি সেল রিচার্জ করা যায় না।</p>																
<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156522</td></tr> <tr><td>Option 1 ID :</td><td>441009621253</td></tr> <tr><td>Option 2 ID :</td><td>441009621254</td></tr> <tr><td>Option 3 ID :</td><td>441009621252</td></tr> <tr><td>Option 4 ID :</td><td>441009621251</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>3</td></tr> </tbody> </table>		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
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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	<p><input type="checkbox"/> 1. The number of slots will remain unchanged regardless of pole count.</p> <p><input checked="" type="checkbox"/> 2. The number of slots will increase to accommodate the additional coils.</p> <p><input type="checkbox"/> 3. The number of slots will increase, but only by one per additional pole.</p> <p><input type="checkbox"/> 4. The number of slots will decrease in proportion to the increase in poles.</p>																
<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156764</td></tr> <tr><td>Option 1 ID :</td><td>441009622221</td></tr> <tr><td>Option 2 ID :</td><td>441009622220</td></tr> <tr><td>Option 3 ID :</td><td>441009622222</td></tr> <tr><td>Option 4 ID :</td><td>441009622219</td></tr> <tr><td>Status :</td><td>Marked For Review</td></tr> <tr><td>Chosen Option :</td><td>1</td></tr> </tbody> </table>		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
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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	<p><input type="checkbox"/> 1. Scheduling regular evacuation drills</p> <p><input type="checkbox"/> 2. Conducting routine safety checks</p> <p><input type="checkbox"/> 3. Preparing reports on emergency incidents</p> <p><input checked="" type="checkbox"/> 4. Rescuing persons in immediate danger</p>																
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Option 4 ID :	441009621576																
Status :	Marked For Review																
Chosen Option :	2																

<p>Q.5 7</p>	<p>Connection of voltage transformer and current transformer across line are _____, respectively.</p>																	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. series and parallel</p> <p><input type="checkbox"/> 2. series and series</p> <p><input type="checkbox"/> 3. parallel and series</p> <p><input type="checkbox"/> 4. parallel and parallel</p>																	
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Status :	Answered																	
Chosen Option :	3																	
<p>Q.5 8</p>	<p>Why is a DC compound generator preferred for industrial loads?</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. It provides better efficiency.</p> <p><input type="checkbox"/> 2. It is easier to manufacture.</p> <p><input type="checkbox"/> 3. It has no losses.</p> <p><input checked="" type="checkbox"/> 4. It has constant voltage characteristics.</p>																	
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Status :	Marked For Review																	
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<p>Q.5 9</p>	<p>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.</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. molding</p> <p><input type="checkbox"/> 2. extrusion</p> <p><input type="checkbox"/> 3. latex</p> <p><input checked="" type="checkbox"/> 4. vulcanisation</p>																	
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Status :	Answered																	
Chosen Option :	4																	

Q.6 0	Micanite paper consists of soft mica bonded with which material?																	
Ans	<input checked="" type="checkbox"/> 1. Glass fibre <input checked="" type="checkbox"/> 2. Cotton and silk <input checked="" type="checkbox"/> 3. Paper or cloth base <input checked="" type="checkbox"/> 4. Rubber																	
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Status :	Not Answered																	
Chosen Option :	--																	
Q.6 1	While performing short circuit test on a transformer to determine its parameter, instruments are placed on the:																	
Ans	<input checked="" type="checkbox"/> 1. low voltage side, while the high voltage side is open circuit <input checked="" type="checkbox"/> 2. high voltage side, while the low voltage side is open circuit <input checked="" type="checkbox"/> 3. low voltage side, while the high voltage side is short circuit <input checked="" type="checkbox"/> 4. high voltage side, while the low voltage side is short circuit																	
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Option 4 ID :	441009622669																	
Status :	Answered																	
Chosen Option :	2																	
Q.6 2	What is the maximum total current allowed in a ring circuit as per IEE regulations?																	
Ans	<input checked="" type="checkbox"/> 1. 20 amps <input checked="" type="checkbox"/> 2. 50 amps <input checked="" type="checkbox"/> 3. 10 amps <input checked="" type="checkbox"/> 4. 30 amps																	
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Chosen Option :	--																	

<p>Q.6 3</p>	<p>What is the importance of following the manufacturer's guidelines for DC motor maintenance?</p>																	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. Ensures safe and efficient operation</p> <p><input type="checkbox"/> 2. Modifies the motor's design</p> <p><input type="checkbox"/> 3. Saves time and resources</p> <p><input type="checkbox"/> 4. Increases the motor's power output</p>																	
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Status :	Marked For Review																	
Chosen Option :	1																	
<p>Q.6 4</p>	<p>The transformation ratio (K) of a transformer is defined as:</p>																	
<p>Ans</p>	<p><input checked="" type="checkbox"/> 1. the ratio of the secondary voltage (V2) to the primary voltage (V1)</p> <p><input type="checkbox"/> 2. the ratio of the primary EMF (E1) to the secondary EMF (E2)</p> <p><input type="checkbox"/> 3. the ratio of the primary voltage (V1) to the secondary voltage (V2)</p> <p><input type="checkbox"/> 4. the ratio of the number of primary turns (N1) to the number of secondary turns (N2)</p>																	
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Status :	Marked For Review																	
Chosen Option :	1																	
<p>Q.6 5</p>	<p>Megger is a portable instrument to measure:</p>																	
<p>Ans</p>	<p><input type="checkbox"/> 1. Inductance Value</p> <p><input type="checkbox"/> 2. Power</p> <p><input checked="" type="checkbox"/> 3. High Insulation Resistance Value</p> <p><input type="checkbox"/> 4. Capacitance Value</p>																	
<table border="1" style="border-collapse: collapse; width: 100%;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156770</td></tr> <tr><td>Option 1 ID :</td><td>441009622245</td></tr> <tr><td>Option 2 ID :</td><td>441009622243</td></tr> <tr><td>Option 3 ID :</td><td>441009622246</td></tr> <tr><td>Option 4 ID :</td><td>441009622244</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 :	441009156770	Option 1 ID :	441009622245	Option 2 ID :	441009622243	Option 3 ID :	441009622246	Option 4 ID :	441009622244	Status :	Answered	Chosen Option :	3
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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	<input checked="" type="checkbox"/> 1. 0.75																				
	<input checked="" type="checkbox"/> 2. 2.00																				
	<input checked="" type="checkbox"/> 3. 1.25																				
	<input checked="" type="checkbox"/> 4. 1.50																				
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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	<input checked="" type="checkbox"/> 1. The armature is immediately connected to a load for testing.																				
	<input checked="" type="checkbox"/> 2. The armature is balanced and tested for performance.																				
	<input checked="" type="checkbox"/> 3. The armature is coated with a protective layer.																				
	<input checked="" type="checkbox"/> 4. The armature is placed directly back into the motor casing.																				
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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	<input checked="" type="checkbox"/> 1. 1 L = 1000 dm ³ and 1 mL = 1000 cm ³																				
	<input checked="" type="checkbox"/> 2. 1000 L = 1 dm ³ and 1 mL = 1000 cm ³																				
	<input checked="" type="checkbox"/> 3. 1000 L = 1 dm ³ and 1000 mL = 1 cm ³																				
	<input checked="" type="checkbox"/> 4. 1 L = 1 dm ³ and 1 mL = 1 cm ³																				
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Status :	Not Attempted and Marked For Review																				
Chosen Option :	--																				

Q.6 9	The SI unit of 'ultimate stress' is _____.																	
Ans	<input checked="" type="checkbox"/> 1. newton (N) <input checked="" type="checkbox"/> 2. pascal (Pa) <input checked="" type="checkbox"/> 3. joule per square meter (J/m ²) <input checked="" type="checkbox"/> 4. newton per meter (N/m)																	
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Option 4 ID :	441009621745																	
Status :	Marked For Review																	
Chosen Option :	1																	
Q.7 0	একটি লজিক সার্কিটে, লজিক গেট ইমপ্লিমেন্টের জন্য তিনটি SPST (সিঙ্গেল পোল সিঙ্গেল থ্রো) সুইচ ব্যবহার করা হয়। সুইচগুলি শ্রেণি সমবায়ে সংযুক্ত থাকে। সমস্ত সুইচ বন্ধ থাকলে সার্কিটের আউটপুট কত হবে?																	
Ans	<input checked="" type="checkbox"/> 1. 0 <input checked="" type="checkbox"/> 2. অসংজ্ঞায়িত/ অনির্ধারণযোগ্য <input checked="" type="checkbox"/> 3. আউটপুট, ব্যবহৃত গেটের ধরণের উপর নির্ভর করবে <input checked="" type="checkbox"/> 4. 1																	
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Status :	Marked For Review																	
Chosen Option :	1																	
Q.7 1	Which of the following types of DC motor is commonly used in electric traction applications such as trains and trams?																	
Ans	<input checked="" type="checkbox"/> 1. DC Shunt Motor <input checked="" type="checkbox"/> 2. DC Series Motor <input checked="" type="checkbox"/> 3. Permanent Magnet DC Motor <input checked="" type="checkbox"/> 4. DC Compound Motor																	
		<table border="1"> <tbody> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156813</td></tr> <tr><td>Option 1 ID :</td><td>441009622415</td></tr> <tr><td>Option 2 ID :</td><td>441009622416</td></tr> <tr><td>Option 3 ID :</td><td>441009622418</td></tr> <tr><td>Option 4 ID :</td><td>441009622417</td></tr> <tr><td>Status :</td><td>Answered</td></tr> <tr><td>Chosen Option :</td><td>2</td></tr> </tbody> </table>	Question Type :	MCQ	Question ID :	441009156813	Option 1 ID :	441009622415	Option 2 ID :	441009622416	Option 3 ID :	441009622418	Option 4 ID :	441009622417	Status :	Answered	Chosen Option :	2
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Option 3 ID :	441009622418																	
Option 4 ID :	441009622417																	
Status :	Answered																	
Chosen Option :	2																	

Q.7 2	Which DC motor type provides the best speed regulation under varying loads?																				
Ans	<input checked="" type="checkbox"/> 1. Permanent Magnet DC Motor																				
	<input checked="" type="checkbox"/> 2. DC Series Motor																				
	<input checked="" type="checkbox"/> 3. Cumulative Motor																				
	<input checked="" type="checkbox"/> 4. DC Shunt Motor																				
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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 m ² , how many tiles are needed?																				
Ans	<input checked="" type="checkbox"/> 1. 320																				
	<input checked="" type="checkbox"/> 2. 300																				
	<input checked="" type="checkbox"/> 3. 200																				
	<input checked="" type="checkbox"/> 4. 250																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009156654</td></tr> <tr><td>Option 1 ID :</td><td>441009621782</td></tr> <tr><td>Option 2 ID :</td><td>441009621781</td></tr> <tr><td>Option 3 ID :</td><td>441009621779</td></tr> <tr><td>Option 4 ID :</td><td>441009621780</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 :	441009156654	Option 1 ID :	441009621782	Option 2 ID :	441009621781	Option 3 ID :	441009621779	Option 4 ID :	441009621780	Status :	Answered	Chosen Option :	1
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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	<input checked="" type="checkbox"/> 1. Farads (F)																				
	<input checked="" type="checkbox"/> 2. Amperes (A)																				
	<input checked="" type="checkbox"/> 3. Ohms (Ω)																				
	<input checked="" type="checkbox"/> 4. Volts (V)																				
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Option 4 ID :	441009622704																				
Status :	Answered																				
Chosen Option :	3																				

Q.7 5	প্রতিরক্ষামূলক রক্ষণাবেক্ষণের (preventive maintenance) প্রাথমিক উদ্দেশ্য কী?																
Ans	<input checked="" type="checkbox"/> 1. অপ্রত্যাশিত সরঞ্জামের ব্যর্থতা হ্রাস করা																
	<input type="checkbox"/> 2. ব্রেকডাউন না হওয়া পর্যন্ত মেরামত বিলম্বিত করা																
	<input type="checkbox"/> 3. কর্মচারীদের কাজের চাপ বৃদ্ধি করা																
	<input type="checkbox"/> 4. নিয়মিত পরিদর্শনের প্রয়োজনীয়তা দূর করা																
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Chosen Option :	1																

