

RRB ALP CBT-II

**Previous Year Paper
(Heat Engine)
06 May, 2025 Shift 2**



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



Roll Number	
Candidate Name	
Test Center Name	
Community	
Test Date	06/05/2025
Test Time	2:30 PM - 5:00 PM
Subject	Heat Engine
Application Photograph	
Exam Day Photograph	

* Note

Correct Answer will carry 1 mark per Question.

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

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

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

Q.1	Which of the following is the correct statement of Ohm's Law?
Ans	1. The potential difference across the ends of a conductor is inversely proportional to the current flowing through it. 2. If the potential difference across the two ends of a conductor is 1 V and the current through it is 1A, then the resistance of the conductor is 2Ω. 3. The potential difference across the ends of a conductor is directly proportional to the current flowing through it.

4. Current through a resistor is directly proportional to its resistance.

Q.4	Which of the following terms is used to describe the pollutants that originate from identifiable sources, such as factories or vehicles?
Ans	✓ 1. Point Source Pollution ✗ 2. Non-point Source Pollution ✗ 3. Radicle Pollution ✗ 4. Random Pollution

Question Type :	MCQ
Question ID :	441009158545
Option 1 ID :	441009629115
Option 2 ID :	441009629116
Option 3 ID :	441009629118
Option 4 ID :	441009629117
Status :	Answered
Chosen Option :	1

Q.5	Which of the following statements is NOT true?
Ans	✗ 1. Laboratory thermometer cannot be used to measure body temperature. ✗ 2. Clinical thermometer should not be used to measure the temperature of boiling water. ✗ 3. The range of clinical thermometer is 35 to 42°C. ✓ 4. Clinical and laboratory thermometers are the same.

Question Type :	MCQ
Question ID :	441009160726
Option 1 ID :	441009636691
Option 2 ID :	441009636690
Option 3 ID :	441009636692
Option 4 ID :	441009636689
Status :	Answered
Chosen Option :	4

Q.6	The marked price of an article was ₹27,500. The shopkeeper gave two successive discounts; the first discount was 20%, and the second was at a rate of 30% of the first discount. What is the selling price (in ₹) of the article?
Ans	✗ 1. 20,086 ✗ 2. 20,860 ✓ 3. 20,680 ✗ 4. 26,080

Question Type :	MCQ
Question ID :	441009153638
Option 1 ID :	441009609722
Option 2 ID :	441009609725
Option 3 ID :	441009609723
Option 4 ID :	441009609724
Status :	Answered
Chosen Option :	2

Q.7	How is a voltmeter connected in a circuit to measure potential difference?
Ans	☐ 1. Directly to the power source only
	☒ 2. In parallel across the points where potential difference is to be measured
	☐ 3. In series with the circuit
	☐ 4. Neither in series nor in parallel
Question Type : MCQ Question ID : 441009153528 Option 1 ID : 441009609285 Option 2 ID : 441009609284 Option 3 ID : 441009609282 Option 4 ID : 441009609283 Status : Answered Chosen Option : 2	
Q.8	An electric heater of resistance 50 Ω uses a current of 3 A. Determine the heat generated in 20 seconds.
Ans	☐ 1. 60 J
	☐ 2. 1000 J
	☐ 3. 5000 J
	☒ 4. 9000 J
Question Type : MCQ Question ID : 441009153536 Option 1 ID : 441009609317 Option 2 ID : 441009609315 Option 3 ID : 441009609314 Option 4 ID : 441009609316 Status : Answered Chosen Option : 4	
Q.9	If an electric load draws a current of 2 A for 1 second, then calculate the number of electrons (with charge 1.6×10^{-19} C) passing through the load.
Ans	☐ 1. 0.25×10^{20}
	☒ 2. 1.25×10^{19}
	☐ 3. 1.25×10^{20}
	☐ 4. 0.25×10^{19}
Question Type : MCQ Question ID : 441009153525 Option 1 ID : 441009609273 Option 2 ID : 441009609270 Option 3 ID : 441009609271 Option 4 ID : 441009609272 Status : Answered Chosen Option : 2	

Q.10	Which of the following is the primary reason for adopting scientifically designed methods for safely disposing of toxic waste from automobiles?
Ans	☒ 1. To increase vehicle performance by optimising engine efficiency ☒ 2. To reduce fuel consumption and improve overall efficiency ☒ 3. To protect human health from harmful fumes and dust in the air ☒ 4. To improve vehicle lifespan by minimising mechanical wear
Question Type : MCQ Question ID : 441009156608 Option 1 ID : 441009621595 Option 2 ID : 441009621596 Option 3 ID : 441009621597 Option 4 ID : 441009621598 Status : Answered Chosen Option : 3	
Q.11	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? AD8, FI16, KN24, ?
Ans	☒ 1. OR35 ☒ 2. PS32 ☒ 3. PS35 ☒ 4. OS32
Question Type : MCQ Question ID : 441009160837 Option 1 ID : 441009637074 Option 2 ID : 441009637073 Option 3 ID : 441009637075 Option 4 ID : 441009637072 Status : Answered Chosen Option : 2	

Q.1	Pipes A and B can fill a rectangular tank in 40 minutes and 120 minutes, respectively.
2	Pipe C can empty the completely filled same tank in 240 minutes. If pipes A, B and C are opened at the same time, then how many minutes will it take to fill the tank?
Ans	✗ 1. $34\frac{2}{8}$ ✗ 2. $34\frac{3}{7}$ ✗ 3. $32\frac{2}{7}$ ✓ 4. $34\frac{2}{7}$
Question Type : MCQ Question ID : 441009153649 Option 1 ID : 441009609766 Option 2 ID : 441009609767 Option 3 ID : 441009609769 Option 4 ID : 441009609768 Status : Answered Chosen Option : 4	
Q.1	What should come in place of the question mark (?) in the given alpha-numeric series?
3	Q16, O14, M12, K10, I8, ?
Ans	✓ 1. G6 ✗ 2. J6 ✗ 3. G4 ✗ 4. H6
Question Type : MCQ Question ID : 441009155673 Option 1 ID : 441009617860 Option 2 ID : 441009617862 Option 3 ID : 441009617859 Option 4 ID : 441009617861 Status : Answered Chosen Option : 1	

Q.1 4	A refrigerator seller offers a discount of 10% on its listed price of ₹57,500 and still earns a profit of 15%. The cost price of the refrigerator is:																	
Ans	☒ 1. ₹42,000 ☒ 2. ₹48,000 ☒ 3. ₹40,000 ☒ 4. ₹45,000																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153620</td></tr> <tr><td>Option 1 ID :</td><td>441009609652</td></tr> <tr><td>Option 2 ID :</td><td>441009609651</td></tr> <tr><td>Option 3 ID :</td><td>441009609650</td></tr> <tr><td>Option 4 ID :</td><td>441009609653</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 :	441009153620	Option 1 ID :	441009609652	Option 2 ID :	441009609651	Option 3 ID :	441009609650	Option 4 ID :	441009609653	Status :	Answered	Chosen Option :	4
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Option 1 ID :	441009609652																	
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Option 3 ID :	441009609650																	
Option 4 ID :	441009609653																	
Status :	Answered																	
Chosen Option :	4																	
Q.1 5	Why is regular maintenance of HVAC systems considered a medium ECO?																	
Ans	☒ 1. It decreases the system's energy consumption. ☒ 2. It speeds up system breakdowns. ☒ 3. It increases the cost of energy. ☒ 4. It prevents overheating of the system.																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009158539</td></tr> <tr><td>Option 1 ID :</td><td>441009629092</td></tr> <tr><td>Option 2 ID :</td><td>441009629094</td></tr> <tr><td>Option 3 ID :</td><td>441009629093</td></tr> <tr><td>Option 4 ID :</td><td>441009629091</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 :	441009158539	Option 1 ID :	441009629092	Option 2 ID :	441009629094	Option 3 ID :	441009629093	Option 4 ID :	441009629091	Status :	Answered	Chosen Option :	1
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Option 2 ID :	441009629094																	
Option 3 ID :	441009629093																	
Option 4 ID :	441009629091																	
Status :	Answered																	
Chosen Option :	1																	
Q.1 6	A shopkeeper sells sugar at ₹30 per kg, which he has bought at ₹24 per kg. Being dishonest, he also gives only y gm of sugar instead of 1000 gm that is mentioned on the weight. In this way, the shopkeeper manages to make an overall profit of $66\frac{2}{3}\%$. What is the value of y?																	
Ans	☒ 1. 750 ☒ 2. 720 ☒ 3. 800 ☒ 4. 600																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153658</td></tr> <tr><td>Option 1 ID :</td><td>441009609805</td></tr> <tr><td>Option 2 ID :</td><td>441009609802</td></tr> <tr><td>Option 3 ID :</td><td>441009609804</td></tr> <tr><td>Option 4 ID :</td><td>441009609803</td></tr> <tr><td>Status :</td><td>Not Attempted and Marked For Review</td></tr> <tr><td>Chosen Option :</td><td>--</td></tr> </table>	Question Type :	MCQ	Question ID :	441009153658	Option 1 ID :	441009609805	Option 2 ID :	441009609802	Option 3 ID :	441009609804	Option 4 ID :	441009609803	Status :	Not Attempted and Marked For Review	Chosen Option :	--
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Option 3 ID :	441009609804																	
Option 4 ID :	441009609803																	
Status :	Not Attempted and Marked For Review																	
Chosen Option :	--																	

Q.1 7	The speed of a train is 144 km/hr. The distance covered by the train in 12 seconds is:																	
Ans	✔ 1. 480 m																	
	✘ 2. 78 m																	
	✘ 3. 518 m																	
	✘ 4. 103 m																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153635</td></tr><tr><td>Option 1 ID :</td><td>441009609711</td></tr><tr><td>Option 2 ID :</td><td>441009609713</td></tr><tr><td>Option 3 ID :</td><td>441009609712</td></tr><tr><td>Option 4 ID :</td><td>441009609710</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 :	441009153635	Option 1 ID :	441009609711	Option 2 ID :	441009609713	Option 3 ID :	441009609712	Option 4 ID :	441009609710	Status :	Answered	Chosen Option :	1
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Option 1 ID :	441009609711																	
Option 2 ID :	441009609713																	
Option 3 ID :	441009609712																	
Option 4 ID :	441009609710																	
Status :	Answered																	
Chosen Option :	1																	

Q.1 8	What is the value of 100 g in SI units?																	
Ans	✔ 1. 0.1 kg																	
	✘ 2. 100 kg																	
	✘ 3. 1 kg																	
	✘ 4. 10 kg																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153562</td></tr><tr><td>Option 1 ID :</td><td>441009609421</td></tr><tr><td>Option 2 ID :</td><td>441009609418</td></tr><tr><td>Option 3 ID :</td><td>441009609419</td></tr><tr><td>Option 4 ID :</td><td>441009609420</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 :	441009153562	Option 1 ID :	441009609421	Option 2 ID :	441009609418	Option 3 ID :	441009609419	Option 4 ID :	441009609420	Status :	Answered	Chosen Option :	1
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Option 3 ID :	441009609419																	
Option 4 ID :	441009609420																	
Status :	Answered																	
Chosen Option :	1																	

Q.1 9	Which of the following statements is correct?																	
Ans	✘ 1. Dry air is a good conductor of heat.																	
	✘ 2. All metals are poor conductors of heat.																	
	✘ 3. Plastic and wood allow heat to pass through them easily.																	
	✔ 4. Copper and aluminium are good conductors of heat.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009154530</td></tr><tr><td>Option 1 ID :</td><td>441009613284</td></tr><tr><td>Option 2 ID :</td><td>441009613282</td></tr><tr><td>Option 3 ID :</td><td>441009613283</td></tr><tr><td>Option 4 ID :</td><td>441009613285</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 :	441009154530	Option 1 ID :	441009613284	Option 2 ID :	441009613282	Option 3 ID :	441009613283	Option 4 ID :	441009613285	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009154530																	
Option 1 ID :	441009613284																	
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Option 3 ID :	441009613283																	
Option 4 ID :	441009613285																	
Status :	Answered																	
Chosen Option :	4																	

Q.2 Study the given table carefully and answer the question that follows.

0

	Number of students who	
	Appeared for the exam	Passed the exam
Class IX	104	89
Class X	63	47

What was the total number of students who failed the exam from classes IX and X?

Ans ☒ 1. 28

☒ 2. 31

☒ 3. 21

☒ 4. 33

Question Type : MCQ

Question ID : 441009155612

Option 1 ID : 441009617615

Option 2 ID : 441009617618

Option 3 ID : 441009617617

Option 4 ID : 441009617616

Status : Answered

Chosen Option : 2

Q.2 The speed of a bus is 6 metres/second. The distance (in kilometres) travelled by the bus in 8 hours and 20 minutes is:

1

Ans ☒ 1. 185

☒ 2. 184

☒ 3. 175

☒ 4. 180

Question Type : MCQ

Question ID : 441009153600

Option 1 ID : 441009609573

Option 2 ID : 441009609572

Option 3 ID : 441009609571

Option 4 ID : 441009609570

Status : Answered

Chosen Option : 4

Q.2 2	The potential energy of an object is equivalent to the _____.																	
Ans	✗ 1. change in velocity ✗ 2. energy lost ✗ 3. change in speed ✓ 4. energy transferred																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153548</td></tr> <tr><td>Option 1 ID :</td><td>441009609364</td></tr> <tr><td>Option 2 ID :</td><td>441009609365</td></tr> <tr><td>Option 3 ID :</td><td>441009609362</td></tr> <tr><td>Option 4 ID :</td><td>441009609363</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 :	441009153548	Option 1 ID :	441009609364	Option 2 ID :	441009609365	Option 3 ID :	441009609362	Option 4 ID :	441009609363	Status :	Answered	Chosen Option :	1
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Option 1 ID :	441009609364																	
Option 2 ID :	441009609365																	
Option 3 ID :	441009609362																	
Option 4 ID :	441009609363																	
Status :	Answered																	
Chosen Option :	1																	

Q.2 3	What is the dimensional equation of mass density (ρ) ?																	
Ans	✗ 1. $[M L^{-3} T^{-2}]$ ✗ 2. $[M L^{-2} T^0]$ ✓ 3. $[M L^{-3} T^0]$ ✗ 4. $[M^0 L^3 T^0]$																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153568</td></tr> <tr><td>Option 1 ID :</td><td>441009609444</td></tr> <tr><td>Option 2 ID :</td><td>441009609445</td></tr> <tr><td>Option 3 ID :</td><td>441009609443</td></tr> <tr><td>Option 4 ID :</td><td>441009609442</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 :	441009153568	Option 1 ID :	441009609444	Option 2 ID :	441009609445	Option 3 ID :	441009609443	Option 4 ID :	441009609442	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																	
Question ID :	441009153568																	
Option 1 ID :	441009609444																	
Option 2 ID :	441009609445																	
Option 3 ID :	441009609443																	
Option 4 ID :	441009609442																	
Status :	Answered																	
Chosen Option :	3																	

Q.2 4	Given below are two sets of numbers. Both the sets are formed using the same mathematical equations or follow a common pattern. Which of the given options follows the same set of mathematical equations or patterns as the sets given in the question? 4 – 9 – 25 – 64 – 169; 16 – 49 – 121 – 324 – 841																	
Ans	✗ 1. 4 – 16 – 36 – 64 – 100 ✗ 2. 16 – 36 – 64 – 100 – 144 ✓ 3. 64 – 225 – 529 – 1444 – 3721 ✗ 4. 64 – 100 – 144 – 196 – 256																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155613</td></tr> <tr><td>Option 1 ID :</td><td>441009617619</td></tr> <tr><td>Option 2 ID :</td><td>441009617622</td></tr> <tr><td>Option 3 ID :</td><td>441009617620</td></tr> <tr><td>Option 4 ID :</td><td>441009617621</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 :	441009155613	Option 1 ID :	441009617619	Option 2 ID :	441009617622	Option 3 ID :	441009617620	Option 4 ID :	441009617621	Status :	Answered	Chosen Option :	3
Question Type :	MCQ																	
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Option 1 ID :	441009617619																	
Option 2 ID :	441009617622																	
Option 3 ID :	441009617620																	
Option 4 ID :	441009617621																	
Status :	Answered																	
Chosen Option :	3																	

Q.2 5	If $21.6 : x :: x : 29.4$, and $x > 0$, then find the value of x .
Ans	✓ 1. 25.2 ✗ 2. 25.4 ✗ 3. 23.3 ✗ 4. 23.9

Question Type :	MCQ
Question ID :	441009153610
Option 1 ID :	441009609610
Option 2 ID :	441009609612
Option 3 ID :	441009609611
Option 4 ID :	441009609613
Status :	Answered
Chosen Option :	1

Q.2 6	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster 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.)
Ans	✗ 1. UYPW ✗ 2. QULS ✗ 3. JNEL ✓ 4. CGXF

Question Type :	MCQ
Question ID :	441009155642
Option 1 ID :	441009617737
Option 2 ID :	441009617738
Option 3 ID :	441009617736
Option 4 ID :	441009617735
Status :	Answered
Chosen Option :	4

Q.2 7	Two trains are running in opposite directions at the same speed. The length of each train is 175 m. If they cross each other in 7 s, the speed of each train is:
Ans	✗ 1. 75 km/hr ✓ 2. 90 km/hr ✗ 3. 80 km/hr ✗ 4. 85 km/hr

Question Type :	MCQ
Question ID :	441009160921
Option 1 ID :	441009637389
Option 2 ID :	441009637392
Option 3 ID :	441009637390
Option 4 ID :	441009637391
Status :	Answered
Chosen Option :	2

Q.2 8 A man rides a bicycle from Point A to Point B in 10 minutes and comes back to Point B along the same path in 10 minutes. If the distance between Points A and B is 1 km, calculate his average velocity?

Ans ☒ 1. 3.3 m/s

☒ 2. 0 m/s

☒ 3. 1.6 m/s

☒ 4. 0.1 m/s

Question Type : MCQ

Question ID : 441009153540

Option 1 ID : 441009609331

Option 2 ID : 441009609332

Option 3 ID : 441009609330

Option 4 ID : 441009609333

Status : Answered

Chosen Option : 3

Q.2 9 Which term is used to describe the closeness of the measured value to the standard or true value?

Ans ☒ 1. Accuracy

☒ 2. Approximate

☒ 3. Precision

☒ 4. Mean

Question Type : MCQ

Question ID : 441009153567

Option 1 ID : 441009609438

Option 2 ID : 441009609440

Option 3 ID : 441009609439

Option 4 ID : 441009609441

Status : Answered

Chosen Option : 1

Q.3 0 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: KHM :: OLQ : %

Ans ☒ 1. # = LIN, % = NKO

☒ 2. # = LIN, % = NLP

☒ 3. # = LIN, % = NKP

☒ 4. # = LIM, % = NKP

Question Type : MCQ

Question ID : 441009155620

Option 1 ID : 441009617648

Option 2 ID : 441009617650

Option 3 ID : 441009617647

Option 4 ID : 441009617649

Status : Answered

Chosen Option : 3

Q.3	What is the ratio of the areas of two successive format sheet sizes created by either halving along the length or doubling along the width?																	
1																		
Ans	✗ 1. 4 : 1																	
	✗ 2. 1 : 4																	
	✗ 3. 2 : 1																	
	✓ 4. 1 : 2																	
		<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156566</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621430</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621429</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621427</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621428</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 :	441009156566	Option 1 ID :	441009621430	Option 2 ID :	441009621429	Option 3 ID :	441009621427	Option 4 ID :	441009621428	Status :	Not Answered	Chosen Option :	--
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Question ID :	441009156566																	
Option 1 ID :	441009621430																	
Option 2 ID :	441009621429																	
Option 3 ID :	441009621427																	
Option 4 ID :	441009621428																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.3	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)																	
2																		
Ans	✓ 1. KF – HM																	
	✗ 2. BW – YE																	
	✗ 3. QL – NT																	
	✗ 4. DY – AG																	
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Option 3 ID :	441009617754																	
Option 4 ID :	441009617753																	
Status :	Answered																	
Chosen Option :	1																	
Q.3	Which of the following is NOT correct?																	
3																		
Ans	✗ 1. The motion of satellite around Earth in a circular orbit is uniform circular motion.																	
	✓ 2. The distance-time graph of an object moving with uniform speed is not a straight line.																	
	✗ 3. A person jogging in the park is not an example of uniform circular motion.																	
	✗ 4. An object moving with a constant velocity represents uniform motion.																	
		<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009153526</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009609274</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009609275</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009609277</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009609276</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 :	441009153526	Option 1 ID :	441009609274	Option 2 ID :	441009609275	Option 3 ID :	441009609277	Option 4 ID :	441009609276	Status :	Answered	Chosen Option :	2
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Question ID :	441009153526																	
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Option 3 ID :	441009609277																	
Option 4 ID :	441009609276																	
Status :	Answered																	
Chosen Option :	2																	

Q.3	Which of the following options is NOT a necessary characteristic of a kite?
4	
Ans	☒ 1. The diagonals are perpendicular to each other.
	☒ 2. At least one diagonal is bisected by the other diagonal.
	☒ 3. The pairs of opposite angles are bisected by the corresponding diagonals.
	☒ 4. At least one pair of opposite angles is congruent.
Question Type : MCQ Question ID : 441009153671 Option 1 ID : 441009609854 Option 2 ID : 441009609855 Option 3 ID : 441009609856 Option 4 ID : 441009609857 Status : Not Answered Chosen Option : --	

Q.3	If 24 joules of work is done in moving a charge of 2 coulombs across two points, then
5	what will be the correct voltage across these two points?
Ans	☒ 1. 24 V
	☒ 2. 2 V
	☒ 3. 48 V
	☒ 4. 12 V
Question Type : MCQ Question ID : 441009153524 Option 1 ID : 441009609268 Option 2 ID : 441009609269 Option 3 ID : 441009609267 Option 4 ID : 441009609266 Status : Answered Chosen Option : 4	

Q.3	Which is the least number that must be subtracted from 5563 to make it exactly
6	divisible by 18?
Ans	☒ 1. 1
	☒ 2. 3
	☒ 3. 7
	☒ 4. 5
Question Type : MCQ Question ID : 441009153661 Option 1 ID : 441009609815 Option 2 ID : 441009609814 Option 3 ID : 441009609817 Option 4 ID : 441009609816 Status : Answered Chosen Option : 3	

Q.3 7 Read the given statement and conclusions carefully. Assuming that the information given in the statement 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 statement.

Statement:

Over the past year, there has been a noticeable increase in respiratory diseases in City W. According to a public health study, this increase is related to an increase in the number of cars on the road, which has raised air pollution levels.

Conclusions:

- I. Increased vehicular traffic contributes to higher levels of air pollution.
II. Improving public transportation would reduce respiratory illnesses in City W.

Ans ☒ 1. Neither conclusion I nor II follows.

☒ 2. Both conclusions I and II follow.

☒ 3. Only conclusion II follows.

☒ 4. Only conclusion I follows.

Question Type : MCQ

Question ID : 441009155682

Option 1 ID : 441009617898

Option 2 ID : 441009617897

Option 3 ID : 441009617896

Option 4 ID : 441009617895

Status : Answered

Chosen Option : 1

Q.3 8 Which of the following is NOT a good heat conductor?

Ans ☒ 1. Fur

☒ 2. Iron

☒ 3. Aluminum

☒ 4. Copper

Question Type : MCQ

Question ID : 441009154525

Option 1 ID : 441009613263

Option 2 ID : 441009613264

Option 3 ID : 441009613262

Option 4 ID : 441009613265

Status : Answered

Chosen Option : 1

Q.3 9	What is the primary purpose of netiquette in online communication?																	
Ans	☒ 1. To improve typing speed																	
	☒ 2. To increase the number of followers on social media																	
	☒ 3. To ensure polite and respectful interactions																	
	☒ 4. To enhance internet connection speed																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156677</td></tr><tr><td>Option 1 ID :</td><td>441009621871</td></tr><tr><td>Option 2 ID :</td><td>441009621874</td></tr><tr><td>Option 3 ID :</td><td>441009621872</td></tr><tr><td>Option 4 ID :</td><td>441009621873</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 :	441009156677	Option 1 ID :	441009621871	Option 2 ID :	441009621874	Option 3 ID :	441009621872	Option 4 ID :	441009621873	Status :	Not Answered	Chosen Option :	--
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Option 3 ID :	441009621872																	
Option 4 ID :	441009621873																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.4 0	If the length, the breadth, and the height of a cuboid are 5 m, 2 m, and 50 cm, respectively, then find its volume.																	
Ans	☒ 1. 20 m ³																	
	☒ 2. 50 m ³																	
	☒ 3. 500 m ³																	
	☒ 4. 5 m ³																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153677</td></tr><tr><td>Option 1 ID :</td><td>441009609880</td></tr><tr><td>Option 2 ID :</td><td>441009609881</td></tr><tr><td>Option 3 ID :</td><td>441009609879</td></tr><tr><td>Option 4 ID :</td><td>441009609878</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 :	441009153677	Option 1 ID :	441009609880	Option 2 ID :	441009609881	Option 3 ID :	441009609879	Option 4 ID :	441009609878	Status :	Answered	Chosen Option :	4
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Option 3 ID :	441009609879																	
Option 4 ID :	441009609878																	
Status :	Answered																	
Chosen Option :	4																	
Q.4 1	When reporting a fire in an emergency, what is the most critical information to provide to emergency services?																	
Ans	☒ 1. How the fire started and if someone is injured or missing																	
	☒ 2. The weather conditions at the time of the fire																	
	☒ 3. The colour of the smoke and the direction it is moving																	
	☒ 4. The likely cause of the fire and the building owner's name																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156609</td></tr><tr><td>Option 1 ID :</td><td>441009621600</td></tr><tr><td>Option 2 ID :</td><td>441009621602</td></tr><tr><td>Option 3 ID :</td><td>441009621599</td></tr><tr><td>Option 4 ID :</td><td>441009621601</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 :	441009156609	Option 1 ID :	441009621600	Option 2 ID :	441009621602	Option 3 ID :	441009621599	Option 4 ID :	441009621601	Status :	Answered	Chosen Option :	3
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Option 4 ID :	441009621601																	
Status :	Answered																	
Chosen Option :	3																	

Q.4 2 E, F, G, H, P, Q, and R, are sitting around a circular table facing the centre. F sits third to the left of H. Only two people sit between H and G when counted from the right of H. Q is an immediate neighbor of G. P is NOT an immediate neighbour of H. E is an immediate neighbour of Q. Who sits second to the left of E?

- Ans
- ☒ 1. H
 - ☒ 2. G
 - ☒ 3. P
 - ☒ 4. R

Question Type : **MCQ**

Question ID : 441009155671

Option 1 ID : 441009617851

Option 2 ID : 441009617853

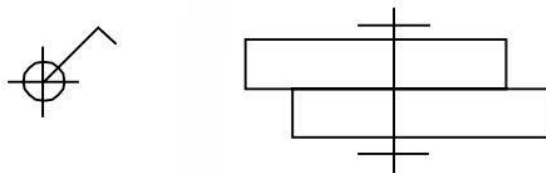
Option 3 ID : 441009617854

Option 4 ID : 441009617852

Status : **Answered**

Chosen Option : 4

Q.4 3 Examine the symbolic representation of the hole and rivet provided below. According to BIS SP 46-2003, what does this symbol represent?



- Ans
- ☒ 1. Fitted in the workshop
 - ☒ 2. Drilled in the workshop
 - ☒ 3. Drilled and fitted on-site
 - ☒ 4. Drilled on-site

Question Type : **MCQ**

Question ID : 441009156557

Option 1 ID : 441009621393

Option 2 ID : 441009621391

Option 3 ID : 441009621394

Option 4 ID : 441009621392

Status : **Not Answered**

Chosen Option : --

Q.4	The weights (in kg) of 20 students of a class have been recorded as 35, 42, 56, 44, 55, 44, 36, 44, 49, 48, 55, 35, 44, 47, 49, 48, 56, 44, 37 and 35. The modal weight (in kg) of the class is:
4	
Ans	✖ 1. 45 ✖ 2. 47 ✖ 3. 37 ✔ 4. 44
Question Type : MCQ Question ID : 441009160919 Option 1 ID : 441009637384 Option 2 ID : 441009637381 Option 3 ID : 441009637383 Option 4 ID : 441009637382 Status : Answered Chosen Option : 4	
Q.4	What should come in place of the question mark (?) in the given alpha-numeric series?
5	
	Y13, F11, L9, Q7, U5, X3, ?
Ans	✖ 1. Z2 ✖ 2. Y1 ✔ 3. Z1 ✖ 4. A1
Question Type : MCQ Question ID : 441009155672 Option 1 ID : 441009617856 Option 2 ID : 441009617858 Option 3 ID : 441009617855 Option 4 ID : 441009617857 Status : Answered Chosen Option : 3	
Q.4	A can do a work in 14 hours. B can do the same work in 21 hours. A started working alone. After how many hours should B join A so that the whole work is completed in 10 hours?
6	
Ans	✔ 1. 4 ✖ 2. 4.5 ✖ 3. 3.5 ✖ 4. 3
Question Type : MCQ Question ID : 441009153652 Option 1 ID : 441009609780 Option 2 ID : 441009609781 Option 3 ID : 441009609779 Option 4 ID : 441009609778 Status : Not Answered Chosen Option : --	

Q.4 7	What is the kinetic energy possessed by an object having mass 25 kg and moving with a uniform velocity of 2 m s^{-1} ?																	
Ans	☒ 1. 50 J ☐ 2. 80 J ☐ 3. 120 J ☐ 4. 100 J																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153531</td></tr> <tr><td>Option 1 ID :</td><td>441009609295</td></tr> <tr><td>Option 2 ID :</td><td>441009609297</td></tr> <tr><td>Option 3 ID :</td><td>441009609294</td></tr> <tr><td>Option 4 ID :</td><td>441009609296</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 :	441009153531	Option 1 ID :	441009609295	Option 2 ID :	441009609297	Option 3 ID :	441009609294	Option 4 ID :	441009609296	Status :	Answered	Chosen Option :	1
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Option 2 ID :	441009609297																	
Option 3 ID :	441009609294																	
Option 4 ID :	441009609296																	
Status :	Answered																	
Chosen Option :	1																	
Q.4 8	Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster 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.)																	
Ans	☐ 1. GMKT ☒ 2. EKJR ☐ 3. VBZI ☐ 4. IOMV																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155641</td></tr> <tr><td>Option 1 ID :</td><td>441009617734</td></tr> <tr><td>Option 2 ID :</td><td>441009617731</td></tr> <tr><td>Option 3 ID :</td><td>441009617732</td></tr> <tr><td>Option 4 ID :</td><td>441009617733</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 :	441009155641	Option 1 ID :	441009617734	Option 2 ID :	441009617731	Option 3 ID :	441009617732	Option 4 ID :	441009617733	Status :	Answered	Chosen Option :	2
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Option 1 ID :	441009617734																	
Option 2 ID :	441009617731																	
Option 3 ID :	441009617732																	
Option 4 ID :	441009617733																	
Status :	Answered																	
Chosen Option :	2																	
Q.4 9	The two sides CB and BA of triangle ABC are produced to CE and BD, respectively, in such a way that $\angle DAC = 110^\circ$ and $\angle ABE = 130^\circ$. Which of the following options is true?																	
Ans	☐ 1. $BC < AC < AB$ ☐ 2. $BC < AB < AC$ ☐ 3. $AB < AC < BC$ ☒ 4. $AC < AB < BC$																	
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Option 3 ID :	441009609844																	
Option 4 ID :	441009609845																	
Status :	Not Answered																	
Chosen Option :	--																	

Q.5	In a certain code language, 'WIDE' is coded as '8694' and 'INKS' is coded as '3917'. 0 What is the code for 'I' in the given code language?
Ans	✖ 1. 3 ✖ 2. 6 ✖ 3. 7 ✔ 4. 9
Question Type : MCQ Question ID : 441009155623 Option 1 ID : 441009617660 Option 2 ID : 441009617661 Option 3 ID : 441009617662 Option 4 ID : 441009617659 Status : Answered Chosen Option : 4	
Q.5	Four chairs and a table set up cost ₹22,000. Determine the table's cost, if it is ₹2,000 1 more expensive than the chair.
Ans	✔ 1. ₹6,000 ✖ 2. ₹5,000 ✖ 3. ₹4,000 ✖ 4. ₹6,500
Question Type : MCQ Question ID : 441009153594 Option 1 ID : 441009609548 Option 2 ID : 441009609547 Option 3 ID : 441009609546 Option 4 ID : 441009609549 Status : Answered Chosen Option : 1	
Q.5	Which element is used in thermometers? 2
Ans	✖ 1. Gallium ✔ 2. Mercury ✖ 3. Lead ✖ 4. Bromine
Question Type : MCQ Question ID : 441009160728 Option 1 ID : 441009636700 Option 2 ID : 441009636699 Option 3 ID : 441009636697 Option 4 ID : 441009636698 Status : Answered Chosen Option : 2	

Q.5 Select the pair which follows the same pattern as that followed by the two sets of pairs
3 given below. Both pairs follow the same pattern.

ARF : YTH
WVJ : UXL

Ans ☒ 1. QEB : NBD

☒ 2. KXF : HZH

☒ 3. SZN : QBP

☒ 4. MEL : HZN

Question Type : MCQ

Question ID : 441009155651

Option 1 ID : 441009617772

Option 2 ID : 441009617773

Option 3 ID : 441009617774

Option 4 ID : 441009617771

Status : Answered

Chosen Option : 3

Q.5 Under which Section of the Factories Act, of 1948, is the employment of women and
4 children near cotton openers prohibited?

Ans ☒ 1. Section 29

☒ 2. Section 27

☒ 3. Section 21

☒ 4. Section 25

Question Type : MCQ

Question ID : 441009156605

Option 1 ID : 441009621586

Option 2 ID : 441009621584

Option 3 ID : 441009621583

Option 4 ID : 441009621585

Status : Not Answered

Chosen Option : --

Q.5	Which of the following is NOT correct about Joule's law of heating?																	
5																		
Ans	✗ 1. Heat produced in a resistor is directly proportional to the time for which the current flows through the resistor.																	
	✗ 2. Heat produced in a resistor is directly proportional to the resistance for a given current.																	
	✗ 3. Heat produced in a resistor is directly proportional to the square of the current for a given resistance.																	
	✓ 4. Heat produced in a resistor is inversely proportional to the square of the current for a given resistance.																	
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Option 3 ID :	441009609234																	
Option 4 ID :	441009609236																	
Status :	Answered																	
Chosen Option :	4																	
Q.5	Which of the following is a main greenhouse gas that is responsible for global warming?																	
6																		
Ans	✓ 1. Carbon Dioxide																	
	✗ 2. Oxygen																	
	✗ 3. Helium																	
	✗ 4. Nitrogen																	
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Option 4 ID :	441009629120																	
Status :	Answered																	
Chosen Option :	1																	

Q.5	What is the first step to take in case of a power failure in a workshop?																	
7																		
Ans	✔ 1. Check if emergency lighting and backup power are functional																	
	✗ 2. Panic and leave the premises immediately																	
	✗ 3. Continue working as usual																	
	✗ 4. Ignore the situation and wait for power to return																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156587</td></tr><tr><td>Option 1 ID :</td><td>441009621514</td></tr><tr><td>Option 2 ID :</td><td>441009621511</td></tr><tr><td>Option 3 ID :</td><td>441009621513</td></tr><tr><td>Option 4 ID :</td><td>441009621512</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 :	441009156587	Option 1 ID :	441009621514	Option 2 ID :	441009621511	Option 3 ID :	441009621513	Option 4 ID :	441009621512	Status :	Answered	Chosen Option :	1
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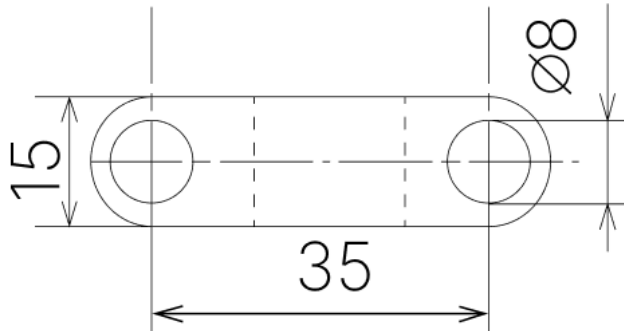
Q.5	What should come in place of the question mark (?) in the given series?																	
8	179 171 163 ? 147 139																	
Ans	✔ 1. 155																	
	✗ 2. 157																	
	✗ 3. 151																	
	✗ 4. 153																	
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Question ID :	441009155601																	
Option 1 ID :	441009617573																	
Option 2 ID :	441009617574																	
Option 3 ID :	441009617571																	
Option 4 ID :	441009617572																	
Status :	Answered																	
Chosen Option :	1																	

Q.5	Which of the following is an ethical concern related to Information Technology?																	
9																		
Ans	✗ 1. Enhancement of communication channels																	
	✗ 2. Reduction in administrative costs																	
	✗ 3. Increased accessibility to educational resources																	
	✔ 4. Privacy violations and data breaches																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156685</td></tr><tr><td>Option 1 ID :</td><td>441009621906</td></tr><tr><td>Option 2 ID :</td><td>441009621905</td></tr><tr><td>Option 3 ID :</td><td>441009621903</td></tr><tr><td>Option 4 ID :</td><td>441009621904</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 :	441009156685	Option 1 ID :	441009621906	Option 2 ID :	441009621905	Option 3 ID :	441009621903	Option 4 ID :	441009621904	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009156685																	
Option 1 ID :	441009621906																	
Option 2 ID :	441009621905																	
Option 3 ID :	441009621903																	
Option 4 ID :	441009621904																	
Status :	Answered																	
Chosen Option :	4																	

Q.60	In order to resolve disputes arising from cyber crime, such as tampering with computer source documents, hacking the computer system, using password of another person and publishing sensitive personal data of others without their consent, a forum has been established by the Central Government (India) in accordance with the provisions contained under Section 48(1) of the Information Technology Act, 2000. What is the name of that forum?
Ans	1. Cybercrime Reporting Tribunal 2. Cyber Appellate Tribunal 3. National Cybercrime Reporting Station

4. Internet Crime Complaint Center

Q.6 What type of view is represented of the given machine component?
2



Ans ☒ 1. Orthographic view

☐ 2. Perspective view

☐ 3. Isometric view

☐ 4. Oblique view

Question Type : MCQ

Question ID : 441009156560

Option 1 ID : 441009621404

Option 2 ID : 441009621406

Option 3 ID : 441009621403

Option 4 ID : 441009621405

Status : Answered

Chosen Option : 1

Q.6 3	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: I. All books are pencils. II. All pencils are cardboards. III. All cardboards are notebooks. Conclusions: I. Some notebooks are pencils. II. Some cardboards are books. III. Some notebooks are books.
Ans	✗ 1. Only conclusions II and III follow. ✗ 2. Only conclusions I and III follow. ✗ 3. Only conclusions I and II follow. ✓ 4. All conclusions I, II and III follow.

Question Type :	MCQ
Question ID :	441009155680
Option 1 ID :	441009617889
Option 2 ID :	441009617888
Option 3 ID :	441009617887
Option 4 ID :	441009617890
Status :	Answered
Chosen Option :	4

Q.6 4	Among three partners A, B and C in a business. The capital of B is equal to half the difference between thrice the capital of C and twice the capital of A. If at the end of the year, they received a profit of ₹25,415, what is the share of C (in ₹)?
Ans	✗ 1. 9,166 ✓ 2. 10,166 ✗ 3. 8,666 ✗ 4. 11,666

Question Type :	MCQ
Question ID :	441009153602
Option 1 ID :	441009609579
Option 2 ID :	441009609578
Option 3 ID :	441009609580
Option 4 ID :	441009609581
Status :	Not Answered
Chosen Option :	--

Q.6	What should come in place of the question mark (?) in the given series?
5	WU5, SQ7, NL11, ?
Ans	✖ 1. HF17 ✔ 2. HF13 ✖ 3. HE15 ✖ 4. GE17
Question Type : MCQ Question ID : 441009155679 Option 1 ID : 441009617886 Option 2 ID : 441009617884 Option 3 ID : 441009617885 Option 4 ID : 441009617883 Status : Answered Chosen Option : 1	

Q.6	What should come in place of the question mark (?) in the given series?
6	62 73 87 104 124 ?
Ans	✖ 1. 142 ✖ 2. 153 ✖ 3. 134 ✔ 4. 147
Question Type : MCQ Question ID : 441009155602 Option 1 ID : 441009617575 Option 2 ID : 441009617578 Option 3 ID : 441009617577 Option 4 ID : 441009617576 Status : Answered Chosen Option : 4	

Q.6	Which of the following tools is commonly used to support the 'Standardize' step in the 5S methodology?
7	
Ans	✖ 1. Labels and signs ✖ 2. Floor markings ✖ 3. Cleaning supplies ✔ 4. Job cycle charts
Question Type : MCQ Question ID : 441009156602 Option 1 ID : 441009621574 Option 2 ID : 441009621572 Option 3 ID : 441009621571 Option 4 ID : 441009621573 Status : Not Answered Chosen Option : --	

Q.6 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. E lives on an even-numbered floor but not 4. The sum of floors on which E and B live is 9. Only three people live between A and C. The sum of floors on which F and C live is 3. What is the sum of floors on which B and F live?

Ans ☒ 1. 6

☒ 2. 5

☒ 3. 4

☒ 4. 7

Question Type : **MCQ**

Question ID : **441009155659**

Option 1 ID : **441009617805**

Option 2 ID : **441009617804**

Option 3 ID : **441009617803**

Option 4 ID : **441009617806**

Status : **Answered**

Chosen Option : **3**

Q.6 Three partners, A, B and C, shared the profit in a business in the proportion of 11 : 13 : 16. They invested their capitals for 7 months, 5 months and 12 months, respectively. What was the ratio of their capitals?

Ans ☒ 1. 165 : 273 : 140

☒ 2. 96 : 135 : 101

☒ 3. 21 : 35 : 44

☒ 4. 3 : 5 : 8

Question Type : **MCQ**

Question ID : **441009157422**

Option 1 ID : **441009624858**

Option 2 ID : **441009624857**

Option 3 ID : **441009624856**

Option 4 ID : **441009624855**

Status : **Answered**

Chosen Option : **1**

Q.7 Why does a combination of two thin blankets keep you warmer in the winter than a single thick blanket?

Ans ☒ 1. Two thin blankets allow more heat to escape, keeping you warmer.

☒ 2. Two blankets create an additional insulating layer of air, reducing heat loss.

☒ 3. Two thin blankets absorb more heat from the surroundings than one thick blanket.

☒ 4. Two thin blankets generate more heat than one thick blanket.

Question Type : **MCQ**

Question ID : **441009154528**

Option 1 ID : **441009613276**

Option 2 ID : **441009613275**

Option 3 ID : **441009613277**

Option 4 ID : **441009613274**

Status : **Answered**

Chosen Option : **2**

Q.7 1	The interest of $(10r)^2$ in r time at rate $\frac{r}{10}\%$ is _____.																	
Ans	✗ 1. $\frac{r^4}{5}$ ✗ 2. $10r^4$ ✗ 3. $\frac{r^4}{20}$ ✓ 4. $\frac{r^4}{10}$																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009153647</td></tr> <tr><td>Option 1 ID :</td><td>441009609759</td></tr> <tr><td>Option 2 ID :</td><td>441009609761</td></tr> <tr><td>Option 3 ID :</td><td>441009609760</td></tr> <tr><td>Option 4 ID :</td><td>441009609758</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 :	441009153647	Option 1 ID :	441009609759	Option 2 ID :	441009609761	Option 3 ID :	441009609760	Option 4 ID :	441009609758	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009153647																	
Option 1 ID :	441009609759																	
Option 2 ID :	441009609761																	
Option 3 ID :	441009609760																	
Option 4 ID :	441009609758																	
Status :	Answered																	
Chosen Option :	4																	
Q.7 2	In a certain code language, 'GOES' is coded as '8624' and 'SNYC' is coded as '3817'. What is the code for 'S' in the given code language?																	
Ans	✗ 1. 2 ✓ 2. 8 ✗ 3. 3 ✗ 4. 4																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155625</td></tr> <tr><td>Option 1 ID :</td><td>441009617668</td></tr> <tr><td>Option 2 ID :</td><td>441009617667</td></tr> <tr><td>Option 3 ID :</td><td>441009617669</td></tr> <tr><td>Option 4 ID :</td><td>441009617670</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 :	441009155625	Option 1 ID :	441009617668	Option 2 ID :	441009617667	Option 3 ID :	441009617669	Option 4 ID :	441009617670	Status :	Answered	Chosen Option :	2
Question Type :	MCQ																	
Question ID :	441009155625																	
Option 1 ID :	441009617668																	
Option 2 ID :	441009617667																	
Option 3 ID :	441009617669																	
Option 4 ID :	441009617670																	
Status :	Answered																	
Chosen Option :	2																	
Q.7 3	A person saves 50% of his income. If his expenditure is ₹440, then his income (in ₹) is:																	
Ans	✗ 1. 600 ✓ 2. 880 ✗ 3. 920 ✗ 4. 560																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009160917</td></tr> <tr><td>Option 1 ID :</td><td>441009637374</td></tr> <tr><td>Option 2 ID :</td><td>441009637373</td></tr> <tr><td>Option 3 ID :</td><td>441009637376</td></tr> <tr><td>Option 4 ID :</td><td>441009637375</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 :	441009160917	Option 1 ID :	441009637374	Option 2 ID :	441009637373	Option 3 ID :	441009637376	Option 4 ID :	441009637375	Status :	Answered	Chosen Option :	2
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Question ID :	441009160917																	
Option 1 ID :	441009637374																	
Option 2 ID :	441009637373																	
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Status :	Answered																	
Chosen Option :	2																	

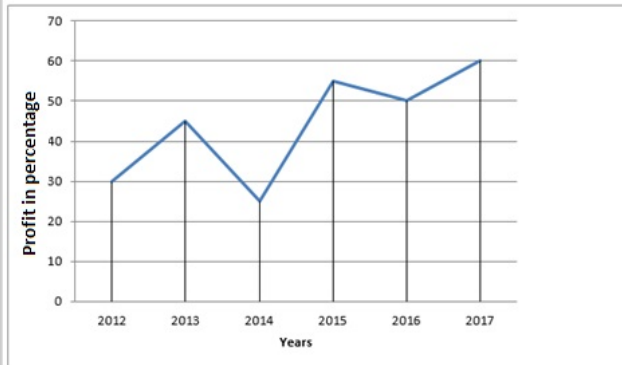
Q.7 4	What is the SI unit for solid angle?
Ans	✗ 1. Metre ✗ 2. Radian ✗ 3. Candela ✓ 4. Steradian
Question Type : MCQ Question ID : 441009153569 Option 1 ID : 441009609449 Option 2 ID : 441009609446 Option 3 ID : 441009609447 Option 4 ID : 441009609448 Status : Answered Chosen Option : 4	

Q.7 5	Which of the following statements is INCORRECT?
Ans	✓ 1. Conduction is the process of heat transfer that does not require any medium to transfer heat. ✗ 2. Conduction is the process of heat transfer from hotter body to colder body. ✗ 3. In solids, heat transfer is typically carried out through conduction. ✗ 4. Burning of feet on hot sand is an example of heat transfer by conduction.
Question Type : MCQ Question ID : 441009160723 Option 1 ID : 441009636678 Option 2 ID : 441009636677 Option 3 ID : 441009636679 Option 4 ID : 441009636680 Status : Answered Chosen Option : 1	

Q.7 6	A force of 6 N is exerted on an object, resulting in its displacement of 2 m in the direction of the force. If the force is constant during the displacement, what is the work done in this case?
Ans	✗ 1. 10 J ✗ 2. 3 J ✗ 3. 25 J ✓ 4. 12 J
Question Type : MCQ Question ID : 441009153532 Option 1 ID : 441009609301 Option 2 ID : 441009609299 Option 3 ID : 441009609300 Option 4 ID : 441009609298 Status : Answered Chosen Option : 4	

Q.7 Study the given graph and answer the question that follows.

7



What is the average profit percentage of the given years?

- Ans
- ☐ 1. 45%
 - ☐ 2. 44%
 - ☐ 3. 43.4%
 - ☒ 4. 44.1%

Question Type : MCQ

Question ID : 441009155610

Option 1 ID : 441009617609

Option 2 ID : 441009617607

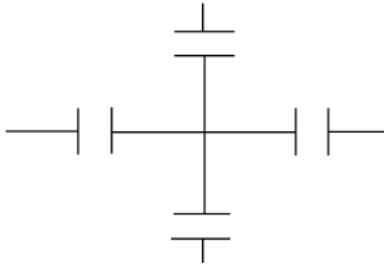
Option 3 ID : 441009617610

Option 4 ID : 441009617608

Status : Answered

Chosen Option : 4

Q.7
8 Identify the orthographic symbol of a pipe fitting shown in the figure.



Ans ☒ 1. Bend

☒ 2. Tee

☒ 3. Cross

☒ 4. Union

Question Type : MCQ

Question ID : 441009156555

Option 1 ID : 441009621385

Option 2 ID : 441009621383

Option 3 ID : 441009621384

Option 4 ID : 441009621386

Status : Answered

Chosen Option : 3

Q.7
9 In a certain code language, 'BOAT' is coded as '8654' and 'AIDS' is coded as '3517'.
What is the code for 'A' in the given code language?

Ans ☒ 1. 8

☒ 2. 6

☒ 3. 3

☒ 4. 5

Question Type : MCQ

Question ID : 441009155626

Option 1 ID : 441009617674

Option 2 ID : 441009617673

Option 3 ID : 441009617672

Option 4 ID : 441009617671

Status : Answered

Chosen Option : 4

Q.8 0	The cost of painting a spherical ball at the rate of ₹2.50 per cm ² is ₹13,860. What is the diameter of the ball (use $\Pi = (\frac{22}{7})$)?
Ans	✗ 1. 40 cm
	✗ 2. 48 cm
	✓ 3. 42 cm
	✗ 4. 21 cm

Question Type :	MCQ
Question ID :	441009153675
Option 1 ID :	441009609871
Option 2 ID :	441009609872
Option 3 ID :	441009609873
Option 4 ID :	441009609870
Status :	Answered
Chosen Option :	3

Q.8 1	T-Square is used to _____ in engineering drawings.
Ans	✓ 1. draw horizontal lines, parallel lines and to guide/hold the setsquares
	✗ 2. draw curved lines on drawing sheets
	✗ 3. support the drawing paper/tracing paper for making drawings
	✗ 4. transfer dimensions and dividing lines into a number of equal parts

Question Type :	MCQ
Question ID :	441009156552
Option 1 ID :	441009621374
Option 2 ID :	441009621371
Option 3 ID :	441009621372
Option 4 ID :	441009621373
Status :	Answered
Chosen Option :	1

Q.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.)

988 – 494 – 444 – 534; 894 – 447 – 397 – 487

Ans ✓ 1. 682 – 341 – 291 – 381

✗ 2. 138 – 69 – 14 – 98

✗ 3. 226 – 113 – 144 – 268

✗ 4. 586 – 293 – 244 – 328

Question Type : **MCQ**

Question ID : **441009155595**

Option 1 ID : **441009617550**

Option 2 ID : **441009617548**

Option 3 ID : **441009617547**

Option 4 ID : **441009617549**

Status : **Answered**

Chosen Option : **1**

Q.8 A shopkeeper allows a discount of 18% on the marked price of an article and sells it for ₹2,870. Find the marked price of the article.

Ans ✓ 1. ₹3,500

✗ 2. ₹3,200

✗ 3. ₹3,350

✗ 4. ₹3,460

Question Type : **MCQ**

Question ID : **441009157411**

Option 1 ID : **441009624814**

Option 2 ID : **441009624811**

Option 3 ID : **441009624812**

Option 4 ID : **441009624813**

Status : **Answered**

Chosen Option : **1**

Q.8 4	The thickness of a thread is measured by a student using a microscope of magnification 100. After making 30 observations, he finds the average width of the thread is 5.7 mm. What is the estimated thickness of the thread?																	
Ans	☒ 1. 0.09 mm																	
	☒ 2. 171 mm																	
	☒ 3. 0.57 mm																	
	☒ 4. 0.057 mm																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153565</td></tr><tr><td>Option 1 ID :</td><td>441009609430</td></tr><tr><td>Option 2 ID :</td><td>441009609432</td></tr><tr><td>Option 3 ID :</td><td>441009609433</td></tr><tr><td>Option 4 ID :</td><td>441009609431</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 :	441009153565	Option 1 ID :	441009609430	Option 2 ID :	441009609432	Option 3 ID :	441009609433	Option 4 ID :	441009609431	Status :	Answered	Chosen Option :	4
Question Type :	MCQ																	
Question ID :	441009153565																	
Option 1 ID :	441009609430																	
Option 2 ID :	441009609432																	
Option 3 ID :	441009609433																	
Option 4 ID :	441009609431																	
Status :	Answered																	
Chosen Option :	4																	
Q.8 5	Which of the following actions involves scientific work?																	
Ans	☒ 1. Climbing up the stairs																	
	☒ 2. Spending time conversing with friends																	
	☒ 3. Watching a film																	
	☒ 4. Holding a large load on one's head while standing motionless																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153533</td></tr><tr><td>Option 1 ID :</td><td>441009609304</td></tr><tr><td>Option 2 ID :</td><td>441009609303</td></tr><tr><td>Option 3 ID :</td><td>441009609305</td></tr><tr><td>Option 4 ID :</td><td>441009609302</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 :	441009153533	Option 1 ID :	441009609304	Option 2 ID :	441009609303	Option 3 ID :	441009609305	Option 4 ID :	441009609302	Status :	Answered	Chosen Option :	1
Question Type :	MCQ																	
Question ID :	441009153533																	
Option 1 ID :	441009609304																	
Option 2 ID :	441009609303																	
Option 3 ID :	441009609305																	
Option 4 ID :	441009609302																	
Status :	Answered																	
Chosen Option :	1																	
Q.8 6	A porter lifts a 10 kg luggage from the ground and places it on his head, 2.5 m above the ground. Calculate the work done by him on the luggage. (Take $g = 10 \text{ ms}^{-2}$.)																	
Ans	☒ 1. 250 J																	
	☒ 2. 100 J																	
	☒ 3. 200 J																	
	☒ 4. 250 N																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009153512</td></tr><tr><td>Option 1 ID :</td><td>441009609218</td></tr><tr><td>Option 2 ID :</td><td>441009609219</td></tr><tr><td>Option 3 ID :</td><td>441009609220</td></tr><tr><td>Option 4 ID :</td><td>441009609221</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 :	441009153512	Option 1 ID :	441009609218	Option 2 ID :	441009609219	Option 3 ID :	441009609220	Option 4 ID :	441009609221	Status :	Answered	Chosen Option :	1
Question Type :	MCQ																	
Question ID :	441009153512																	
Option 1 ID :	441009609218																	
Option 2 ID :	441009609219																	
Option 3 ID :	441009609220																	
Option 4 ID :	441009609221																	
Status :	Answered																	
Chosen Option :	1																	

Q.8 7	ABC Association meeting is to be held on the 2 nd Sunday of next month. The cost of the registration is ₹50 per person. Lunch will be provided to the participants at an additional cost of ₹24. If the number of participants who paid for lunch was 100 more than the members who did not, and if the total receipts for registrations and lunch is ₹69,400, how many people registered and how many lunches are to be prepared, respectively?
Ans	☒ 1. 1100 and 500
	☒ 2. 500 and 600
	☒ 3. 1100 and 600
	☒ 4. 1100 and 1100
Question Type : MCQ Question ID : 441009153593 Option 1 ID : 441009609544 Option 2 ID : 441009609543 Option 3 ID : 441009609542 Option 4 ID : 441009609545 Status : Not Answered Chosen Option : --	
Q.8 8	Which of the following is NOT an SI unit?
Ans	☒ 1. Metre
	☒ 2. Hour
	☒ 3. Mole
	☒ 4. Kilogram
Question Type : MCQ Question ID : 441009153564 Option 1 ID : 441009609427 Option 2 ID : 441009609429 Option 3 ID : 441009609426 Option 4 ID : 441009609428 Status : Answered Chosen Option : 2	
Q.8 9	Calculate the resistance of the bulb filament if it draws 200 mA current from 220 V source.
Ans	☒ 1. 0 Ω
	☒ 2. 1100 Ω
	☒ 3. 44 Ω
	☒ 4. 220 Ω
Question Type : MCQ Question ID : 441009153521 Option 1 ID : 441009609257 Option 2 ID : 441009609254 Option 3 ID : 441009609255 Option 4 ID : 441009609256 Status : Answered Chosen Option : 2	

Q.9 0	By how much is 60% of 50 greater than $\frac{4}{5}$ of 35?
Ans	☒ 1. 2
	☒ 2. 4
	☒ 3. 3
	☒ 4. 1
Question Type : MCQ Question ID : 441009153629 Option 1 ID : 441009609686 Option 2 ID : 441009609688 Option 3 ID : 441009609689 Option 4 ID : 441009609687 Status : Answered Chosen Option : 1	
Q.9 1	Which of the following features is unique to Telegram compared to WhatsApp and Facebook Messenger?
Ans	☒ 1. Ability to create channels for broadcasting messages to large audiences
	☒ 2. End-to-end encryption for all messages
	☒ 3. Voice and video calling capabilities
	☒ 4. Integration with Facebook for seamless sharing
Question Type : MCQ Question ID : 441009156676 Option 1 ID : 441009621868 Option 2 ID : 441009621867 Option 3 ID : 441009621870 Option 4 ID : 441009621869 Status : Answered Chosen Option : 1	
Q.9 2	How does retrofitting an old building with energy-efficient windows impact energy consumption?
Ans	☒ 1. It has no effect on energy consumption.
	☒ 2. It increases the need for artificial lighting.
	☒ 3. It causes a rise in indoor temperatures.
	☒ 4. It decreases the building's heating and cooling costs.
Question Type : MCQ Question ID : 441009158538 Option 1 ID : 441009629088 Option 2 ID : 441009629087 Option 3 ID : 441009629090 Option 4 ID : 441009629089 Status : Answered Chosen Option : 4	

Q.9 A mass m is moving with a velocity v and its kinetic energy is K . What will be the new kinetic energy if the velocity is doubled?

Ans ☒ 1. $K/2$

☒ 2. K

☒ 3. $4K$

☒ 4. $2K$

Question Type : MCQ

Question ID : 441009153542

Option 1 ID : 441009609341

Option 2 ID : 441009609339

Option 3 ID : 441009609340

Option 4 ID : 441009609338

Status : Answered

Chosen Option : 3

Q.9 Which of the following is generally the temperature range in a laboratory thermometer?

Ans ☒ 1. -10°C to 150°C

☒ 2. -100°C to 130°C

☒ 3. 35°C to 42°C

☒ 4. -10°C to 110°C

Question Type : MCQ

Question ID : 441009154534

Option 1 ID : 441009613298

Option 2 ID : 441009613301

Option 3 ID : 441009613300

Option 4 ID : 441009613299

Status : Not Answered

Chosen Option : --

Q.9 Eight people are sitting in two parallel rows containing 4 people each in such a way that there is equal distance between adjacent persons. In row 1 – A, B, C and D are seated and all of them are facing south. In row 2 – P, Q, R and S are seated and all of them are facing north. Thus each person faces another person from the other row. No one sits to the left of B. R faces the person who sits second to the right of D. C faces the person who is the immediate neighbour of Q and R, B does not face S. Who amongst the following faces P?

Ans ☒ 1. B

☒ 2. A

☒ 3. C

☒ 4. D

Question Type : MCQ

Question ID : 441009155638

Option 1 ID : 441009617720

Option 2 ID : 441009617722

Option 3 ID : 441009617719

Option 4 ID : 441009617721

Status : Not Answered

Chosen Option : --

Q.9 6	In an electrical circuit, 'n' number of 1 Ω resistors are connected in parallel. When one of the resistors is eliminated, the overall resistance of the circuit is ____.
Ans	✗ 1. $\frac{1}{n}$ ✓ 2. $\frac{1}{(n - 1)}$ ✗ 3. Zero ✗ 4. $\frac{1}{n^2}$
Question Type : MCQ Question ID : 441009153517 Option 1 ID : 441009609238 Option 2 ID : 441009609240 Option 3 ID : 441009609241 Option 4 ID : 441009609239 Status : Answered Chosen Option : 2	
Q.9 7	If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation? 47 D 25 A 5 C 2 B 9 = ?
Ans	✓ 1. 60 ✗ 2. 62 ✗ 3. 56 ✗ 4. 58
Question Type : MCQ Question ID : 441009155593 Option 1 ID : 441009617541 Option 2 ID : 441009617542 Option 3 ID : 441009617539 Option 4 ID : 441009617540 Status : Answered Chosen Option : 1	

Q.9	Which of the following keyboard shortcuts on a Windows 10 home screen opens the item's properties?
8	
Ans	✗ 1. F2 + Alt
	✓ 2. Alt + Enter
	✗ 3. Insert + Alt
	✗ 4. Tab + Del

Question Type :	MCQ
Question ID :	441009156684
Option 1 ID :	441009621902
Option 2 ID :	441009621900
Option 3 ID :	441009621901
Option 4 ID :	441009621899
Status :	Answered
Chosen Option :	2

Q.9	Given below are two sets of numbers. Both the sets are formed using the same mathematical equations or follow a common pattern. Which of the given options follows the same set of mathematical equations or patterns as the sets given in the question?
9	
	1333 – 1730 – 2199 – 2746 – 3377 218 – 345 – 514 – 731 – 1002
Ans	✗ 1. 3 – 6 – 11 – 18 – 27
	✗ 2. 38 – 51 – 66 – 83 – 102
	✓ 3. 3 – 10 – 29 – 66 – 127
	✗ 4. 123 – 146 – 171 – 198 – 227

Question Type :	MCQ
Question ID :	441009160819
Option 1 ID :	441009637003
Option 2 ID :	441009637001
Option 3 ID :	441009637002
Option 4 ID :	441009637000
Status :	Answered
Chosen Option :	2

Q.1	Which of the following processes causes accumulation of heavy metals such as lead and mercury in soil?
Ans	✓ 1. Improper disposal of industrial wastes ✗ 2. Ozone layer depletion ✗ 3. Water evaporation ✗ 4. Natural soil formation

Question Type :	MCQ
Question ID :	441009158543
Option 1 ID :	441009629108
Option 2 ID :	441009629107
Option 3 ID :	441009629109
Option 4 ID :	441009629110
Status :	Answered
Chosen Option :	1

Section : **PART-B**

Q.1	What is the SI unit of 'volume'?
Ans	✗ 1. Cubic centimetre ✗ 2. Litres ✓ 3. Cubic metre ✗ 4. Millilitres

Question Type :	MCQ
Question ID :	441009161837
Option 1 ID :	441009641002
Option 2 ID :	441009641001
Option 3 ID :	441009641003
Option 4 ID :	441009641004
Status :	Answered
Chosen Option :	3

Q.2	A carburetor used in a petrol engine is designed so as to fit in which of the following parts of the engine?
Ans	✗ 1. Connecting rod ✗ 2. Casing ✗ 3. Piston ✓ 4. Cylinder head

Question Type :	MCQ
Question ID :	441009155069
Option 1 ID :	441009615425
Option 2 ID :	441009615422
Option 3 ID :	441009615423
Option 4 ID :	441009615424
Status :	Answered
Chosen Option :	4

Q.3	Which of the following is NOT the purpose of lubrication oil in an engine?
Ans	☒ 1. Mixing of impurities uniformly that include aromatics and polar compounds ☒ 2. Finishing to improve oxidation and heat stability ☒ 3. Separation of lighter boiling materials such as gasoline, jet fuel, diesel, etc. ☒ 4. Dewaxing to improve low-temperature fluidity
Question Type : MCQ Question ID : 441009241235 Option 1 ID : 441009942672 Option 2 ID : 441009942674 Option 3 ID : 441009942671 Option 4 ID : 441009942673 Status : Answered Chosen Option : 2	
Q.4	Which of the following statements is NOT correct for using scribers?
Ans	☒ 1. Do not put the scribe in your pocket. ☒ 2. Scribe points are very sharp, so they are to be handled very carefully. ☒ 3. Place a cork on the point when in use to prevent accidents. ☒ 4. While scribing lines, the scribe is used like a pencil.
Question Type : MCQ Question ID : 441009240892 Option 1 ID : 441009941528 Option 2 ID : 441009941526 Option 3 ID : 441009941527 Option 4 ID : 441009941525 Status : Answered Chosen Option : 3	
Q.5	Which of the following types of engine classifications is based on cylinder arrangement?
Ans	☒ 1. Diesel cycle engine ☒ 2. Otto cycle engine ☒ 3. V-engine ☒ 4. Dual cycle engine
Question Type : MCQ Question ID : 441009155093 Option 1 ID : 441009615519 Option 2 ID : 441009615518 Option 3 ID : 441009615520 Option 4 ID : 441009615521 Status : Answered Chosen Option : 3	

Q.6	In a hydraulic brake booster system, where is the hydraulic pressure stored before it is used to assist braking?
Ans	☐ 1. Power steering pump
	☐ 2. Master cylinder
	☒ 3. Accumulator
	☐ 4. Brake caliper
Question Type : MCQ Question ID : 441009155082 Option 1 ID : 441009615475 Option 2 ID : 441009615474 Option 3 ID : 441009615476 Option 4 ID : 441009615477 Status : Answered Chosen Option : 2	
Q.7	The process in which an oil pump housing is first filled with oil, especially for oil pumps that are driven by the crankshaft, is known as:
Ans	☒ 1. priming of a new oil pump
	☐ 2. cavitation of a pump
	☐ 3. ferrography of a pump
	☐ 4. alignment of a pump
Question Type : MCQ Question ID : 441009241234 Option 1 ID : 441009942669 Option 2 ID : 441009942667 Option 3 ID : 441009942670 Option 4 ID : 441009942668 Status : Answered Chosen Option : 1	
Q.8	Which of the following devices is used to insert a micrometer in the hole of an external cylinder for zero aligning?
Ans	☐ 1. Screw driver
	☐ 2. Spanner
	☒ 3. Wrench
	☐ 4. Allen key
Question Type : MCQ Question ID : 441009155099 Option 1 ID : 441009615542 Option 2 ID : 441009615545 Option 3 ID : 441009615544 Option 4 ID : 441009615543 Status : Answered Chosen Option : 4	

Q.9	Where is a typical clutch actuated by a number of coil springs?
Ans	☒ 1. On an addendum circle near the centre of the radius ☒ 2. On a pitch circle near the central axis of the shaft ☒ 3. On a base circle near the centre of the circle ☒ 4. On a pitch circle near the periphery
Question Type : MCQ Question ID : 441009155011 Option 1 ID : 441009615191 Option 2 ID : 441009615193 Option 3 ID : 441009615192 Option 4 ID : 441009615190 Status : Answered Chosen Option : 2	
Q.10	Which of the following statements is INCORRECT about end standard?
Ans	☒ 1. Faces are subject to wear. ☒ 2. It is slower but more accurate. ☒ 3. It is used to measure the distance between two engraved lines. ☒ 4. It measures the distance between two parallel flat surfaces.
Question Type : MCQ Question ID : 441009161827 Option 1 ID : 441009640962 Option 2 ID : 441009640961 Option 3 ID : 441009640964 Option 4 ID : 441009640963 Status : Not Answered Chosen Option : --	
Q.11	Which of the following calipers are used for marking lines, parallel to inside and outside edges and for locating the centre of round bars?
Ans	☒ 1. Spring joint calipers ☒ 2. Simple calipers ☒ 3. Leg and point calipers ☒ 4. Firm joint calipers
Question Type : MCQ Question ID : 441009156631 Option 1 ID : 441009621688 Option 2 ID : 441009621690 Option 3 ID : 441009621689 Option 4 ID : 441009621687 Status : Answered Chosen Option : 3	

Q.1 2	In two-stroke engines, one power cycle is completed in how many revolutions of the crankshaft?																	
Ans	☒ 1. Three revolutions																	
	☒ 2. Four revolutions																	
	☒ 3. Two revolutions																	
	☒ 4. One revolution																	
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Question ID :	441009155089																	
Option 1 ID :	441009615503																	
Option 2 ID :	441009615502																	
Option 3 ID :	441009615504																	
Option 4 ID :	441009615505																	
Status :	Answered																	
Chosen Option :	4																	

Q.1 3	Which of the following changes is/are observed in the engine when the idle adjustment screw in the carburetor is adjusted?																	
Ans	☒ 1. Decreases idle port area, reduce engine speed																	
	☒ 2. Regulate air intake																	
	☒ 3. Increase idle port area, increase engine speed																	
	☒ 4. Control fuel mixture at high speeds																	
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Option 1 ID :	441009615048																	
Option 2 ID :	441009615049																	
Option 3 ID :	441009615046																	
Option 4 ID :	441009615047																	
Status :	Answered																	
Chosen Option :	2																	

Q.1 4	When passing stationary vehicles, keep a watch on _____ who may come out suddenly from the front of the stationary vehicle. While overtaking, it should be done on the _____ side. Always keep a good _____ between your vehicle and others.																	
Ans	☒ 1. pedestrians; right; distance																	
	☒ 2. vehicles; right; gap																	
	☒ 3. drivers; left; space																	
	☒ 4. cyclists; left; interval																	
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Question ID :	441009156615																	
Option 1 ID :	441009621623																	
Option 2 ID :	441009621625																	
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Option 4 ID :	441009621626																	
Status :	Answered																	
Chosen Option :	1																	

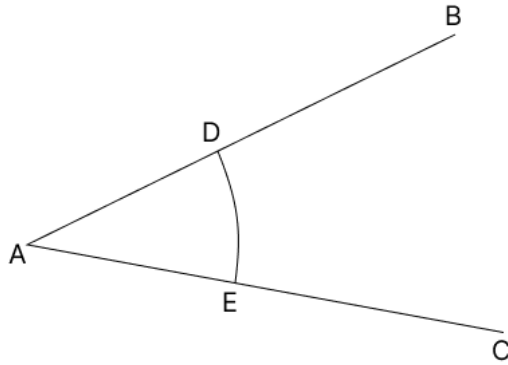
Q.1	What happens if air is NOT removed from a hydraulic brake system?
5	
Ans	☒ 1. The engine runs smoother.
	☒ 2. The tires wear out faster.
	☒ 3. The fuel efficiency improves.
	☒ 4. The brakes feel spongy and less effective.

Question Type :	MCQ
Question ID :	441009155086
Option 1 ID :	441009615490
Option 2 ID :	441009615492
Option 3 ID :	441009615493
Option 4 ID :	441009615491
Status :	Answered
Chosen Option :	4

Q.1	What is an effective way to reduce backlash in a gear system?
6	
Ans	☒ 1. Increase the clearance between gears
	☒ 2. Use worn-out gears for better engagement
	☒ 3. Use proper lubrication and regular maintenance
	☒ 4. Ignore minor misalignments in gear setup

Question Type :	MCQ
Question ID :	441009154954
Option 1 ID :	441009614962
Option 2 ID :	441009614964
Option 3 ID :	441009614963
Option 4 ID :	441009614965
Status :	Answered
Chosen Option :	1

Q.1
7 In the process of bisecting angle BAC in the given figure, why do we draw arcs from points D and E?



Ans ☒ 1. To mark equal lengths

☒ 2. To intersect above A

☒ 3. To intersect line AC

☒ 4. To find midpoint AB

Question Type : MCQ

Question ID : 441009156572

Option 1 ID : 441009621454

Option 2 ID : 441009621453

Option 3 ID : 441009621451

Option 4 ID : 441009621452

Status : Answered

Chosen Option : 1

Q.1
8 Which of the following is NOT a typical component of a welding cable's construction?

Ans ☒ 1. Woven fabric reinforcing layers

☒ 2. Rubber insulation

☒ 3. Steel core

☒ 4. Fine copper wires

Question Type : MCQ

Question ID : 441009241228

Option 1 ID : 441009942645

Option 2 ID : 441009942644

Option 3 ID : 441009942646

Option 4 ID : 441009942643

Status : Answered

Chosen Option : 3

Q.1 9	Who is authorised to conduct road tests on workshop vehicles?																	
Ans	☒ 1. The company accountant																	
	☒ 2. Visitors to the workshop																	
	☒ 3. Only trained and certified personnel																	
	☒ 4. Any employee																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156598</td></tr><tr><td>Option 1 ID :</td><td>441009621558</td></tr><tr><td>Option 2 ID :</td><td>441009621557</td></tr><tr><td>Option 3 ID :</td><td>441009621556</td></tr><tr><td>Option 4 ID :</td><td>441009621555</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 :	441009156598	Option 1 ID :	441009621558	Option 2 ID :	441009621557	Option 3 ID :	441009621556	Option 4 ID :	441009621555	Status :	Answered	Chosen Option :	3
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Option 1 ID :	441009621558																	
Option 2 ID :	441009621557																	
Option 3 ID :	441009621556																	
Option 4 ID :	441009621555																	
Status :	Answered																	
Chosen Option :	3																	
Q.2 0	The camshaft is driven by the crankshaft through which of the following types of power transmission techniques?																	
Ans	☒ 1. Timing gears drive																	
	☒ 2. Chain drive																	
	☒ 3. Epicyclic gear train drive																	
	☒ 4. Flat belt transmission drive																	
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Option 1 ID :	441009615275																	
Option 2 ID :	441009615277																	
Option 3 ID :	441009615274																	
Option 4 ID :	441009615276																	
Status :	Answered																	
Chosen Option :	1																	
Q.2 1	Find the lateral surface area of a cube with side length 5 cm.																	
Ans	☒ 1. 150 cm ²																	
	☒ 2. 100 cm ²																	
	☒ 3. 125 cm ²																	
	☒ 4. 200 cm ²																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009161835</td></tr><tr><td>Option 1 ID :</td><td>441009640995</td></tr><tr><td>Option 2 ID :</td><td>441009640993</td></tr><tr><td>Option 3 ID :</td><td>441009640994</td></tr><tr><td>Option 4 ID :</td><td>441009640996</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 :	441009161835	Option 1 ID :	441009640995	Option 2 ID :	441009640993	Option 3 ID :	441009640994	Option 4 ID :	441009640996	Status :	Answered	Chosen Option :	2
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Option 1 ID :	441009640995																	
Option 2 ID :	441009640993																	
Option 3 ID :	441009640994																	
Option 4 ID :	441009640996																	
Status :	Answered																	
Chosen Option :	2																	

Q.2 2	Which of the following symptom or indicator does NOT show the failure of an oil pump?																	
Ans	✗ 1. If a hydraulic lifter in a vehicle creates noise ✗ 2. When the engine oil flow slows or stops, the components continue to be lubricated by hot oil that is not permitted to flow ✗ 3. Able to push oil through the system adequately and with low pressure in oil lines ✓ 4. When the engine runs at a normal temperature and oil flow is steady.																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155019</td></tr> <tr><td>Option 1 ID :</td><td>441009615224</td></tr> <tr><td>Option 2 ID :</td><td>441009615222</td></tr> <tr><td>Option 3 ID :</td><td>441009615225</td></tr> <tr><td>Option 4 ID :</td><td>441009615223</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 :	441009155019	Option 1 ID :	441009615224	Option 2 ID :	441009615222	Option 3 ID :	441009615225	Option 4 ID :	441009615223	Status :	Answered	Chosen Option :	4
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Option 1 ID :	441009615224																	
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Option 3 ID :	441009615225																	
Option 4 ID :	441009615223																	
Status :	Answered																	
Chosen Option :	4																	
Q.2 3	What is the accuracy level of metric micrometer reading?																	
Ans	✗ 1. 1.0 mm ✗ 2. 0.5 mm ✓ 3. 0.01 mm ✗ 4. 0.1 mm																	
		<table border="1"> <tr><td>Question Type :</td><td>MCQ</td></tr> <tr><td>Question ID :</td><td>441009155101</td></tr> <tr><td>Option 1 ID :</td><td>441009615550</td></tr> <tr><td>Option 2 ID :</td><td>441009615553</td></tr> <tr><td>Option 3 ID :</td><td>441009615552</td></tr> <tr><td>Option 4 ID :</td><td>441009615551</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 :	441009155101	Option 1 ID :	441009615550	Option 2 ID :	441009615553	Option 3 ID :	441009615552	Option 4 ID :	441009615551	Status :	Answered	Chosen Option :	3
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Option 3 ID :	441009615552																	
Option 4 ID :	441009615551																	
Status :	Answered																	
Chosen Option :	3																	
Q.2 4	Which of the following is NOT the correct function of the front axle?																	
Ans	✓ 1. It transmits the torque of a vehicle through springs to the front wheels. ✗ 2. It absorbs torque applied on it due to braking of vehicle. ✗ 3. An axle is a central shaft for a rotating wheel or gear. ✗ 4. It supports the weight of the front part of the vehicle.																	
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Question ID :	441009241232																	
Option 1 ID :	441009942661																	
Option 2 ID :	441009942662																	
Option 3 ID :	441009942659																	
Option 4 ID :	441009942660																	
Status :	Answered																	
Chosen Option :	1																	

Q.2 5	Which of the following information is necessary to construct a rectangle?
Ans	✗ 1. Only the length of the diagonal ✓ 2. Length of two adjacent sides ✗ 3. Length of one side and the area of the rectangle ✗ 4. Only the length of one side
Question Type : MCQ Question ID : 441009156571 Option 1 ID : 441009621449 Option 2 ID : 441009621448 Option 3 ID : 441009621450 Option 4 ID : 441009621447 Status : Answered Chosen Option : 3	
Q.2 6	What is the minimum age for employment in factories or mines or other hazardous employment, according to Article 24 of the Indian Constitution?
Ans	✗ 1. 16 years ✗ 2. 12 years ✗ 3. 18 years ✓ 4. 14 years
Question Type : MCQ Question ID : 441009156607 Option 1 ID : 441009621591 Option 2 ID : 441009621594 Option 3 ID : 441009621592 Option 4 ID : 441009621593 Status : Answered Chosen Option : 3	
Q.2 7	Which of the following metals has the lowest melting point?
Ans	✗ 1. Iron ✗ 2. Lead ✗ 3. Gold ✓ 4. Mercury
Question Type : MCQ Question ID : 441009240900 Option 1 ID : 441009941560 Option 2 ID : 441009941559 Option 3 ID : 441009941558 Option 4 ID : 441009941557 Status : Answered Chosen Option : 2	

Q.2 8	Which of the following types of valve seats are commonly used in cast iron head of the engine?																	
Ans	☒ 1. Integral valve seats																	
	☐ 2. Insert valve seats																	
	☐ 3. Two piece valve seats																	
	☐ 4. Elliptical valve seats																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009155058</td></tr><tr><td>Option 1 ID :</td><td>441009615378</td></tr><tr><td>Option 2 ID :</td><td>441009615379</td></tr><tr><td>Option 3 ID :</td><td>441009615381</td></tr><tr><td>Option 4 ID :</td><td>441009615380</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 :	441009155058	Option 1 ID :	441009615378	Option 2 ID :	441009615379	Option 3 ID :	441009615381	Option 4 ID :	441009615380	Status :	Not Answered	Chosen Option :	--
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Option 3 ID :	441009615381																	
Option 4 ID :	441009615380																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.2 9	The SI unit of temperature is/are _____.																	
Ans	☐ 1. both kelvin and celsius																	
	☐ 2. fahrenheit																	
	☒ 3. kelvin																	
	☐ 4. celsius																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156656</td></tr><tr><td>Option 1 ID :</td><td>441009621790</td></tr><tr><td>Option 2 ID :</td><td>441009621789</td></tr><tr><td>Option 3 ID :</td><td>441009621787</td></tr><tr><td>Option 4 ID :</td><td>441009621788</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 :	441009156656	Option 1 ID :	441009621790	Option 2 ID :	441009621789	Option 3 ID :	441009621787	Option 4 ID :	441009621788	Status :	Answered	Chosen Option :	3
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Option 3 ID :	441009621787																	
Option 4 ID :	441009621788																	
Status :	Answered																	
Chosen Option :	3																	
Q.3 0	The wave set of hacksaw teeth set has a pitch of _____.																	
Ans	☒ 1. 0.8 mm																	
	☐ 2. 2.0 mm																	
	☐ 3. 1.0 mm																	
	☐ 4. 0.5 mm																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156637</td></tr><tr><td>Option 1 ID :</td><td>441009621713</td></tr><tr><td>Option 2 ID :</td><td>441009621714</td></tr><tr><td>Option 3 ID :</td><td>441009621712</td></tr><tr><td>Option 4 ID :</td><td>441009621711</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 :	441009156637	Option 1 ID :	441009621713	Option 2 ID :	441009621714	Option 3 ID :	441009621712	Option 4 ID :	441009621711	Status :	Not Answered	Chosen Option :	--
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Status :	Not Answered																	
Chosen Option :	--																	

Q.3 1	Which of the following is the primary reason why copper is widely used as a conductor in electrical wiring?																	
Ans	☒ 1. Copper has a low melting point.																	
	☒ 2. Copper has high resistance to electricity.																	
	☒ 3. Copper has low resistance and high conductivity.																	
	☒ 4. Copper is abundant and inexpensive.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156532</td></tr><tr><td>Option 1 ID :</td><td>441009621291</td></tr><tr><td>Option 2 ID :</td><td>441009621292</td></tr><tr><td>Option 3 ID :</td><td>441009621294</td></tr><tr><td>Option 4 ID :</td><td>441009621293</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 :	441009156532	Option 1 ID :	441009621291	Option 2 ID :	441009621292	Option 3 ID :	441009621294	Option 4 ID :	441009621293	Status :	Answered	Chosen Option :	3
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Status :	Answered																	
Chosen Option :	3																	
Q.3 2	In a series circuit, three resistors of 10 ohms, 20 ohms, and R ohms are connected in series with a 12 V battery. What is the value of resistance R if current flowing in the circuit is 0.2 A?																	
Ans	☒ 1. 10 ohms																	
	☒ 2. 30 ohms																	
	☒ 3. 40 ohms																	
	☒ 4. 20 ohms																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156528</td></tr><tr><td>Option 1 ID :</td><td>441009621275</td></tr><tr><td>Option 2 ID :</td><td>441009621277</td></tr><tr><td>Option 3 ID :</td><td>441009621278</td></tr><tr><td>Option 4 ID :</td><td>441009621276</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 :	441009156528	Option 1 ID :	441009621275	Option 2 ID :	441009621277	Option 3 ID :	441009621278	Option 4 ID :	441009621276	Status :	Answered	Chosen Option :	2
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Option 3 ID :	441009621278																	
Option 4 ID :	441009621276																	
Status :	Answered																	
Chosen Option :	2																	
Q.3 3	Which type of line is used to represent hidden edges or surfaces in a technical drawing, as per BIS SP 46-2003?																	
Ans	☒ 1. Continuous thick line																	
	☒ 2. Chain thin line																	
	☒ 3. Continuous thin line																	
	☒ 4. Dashed thin line																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156576</td></tr><tr><td>Option 1 ID :</td><td>441009621467</td></tr><tr><td>Option 2 ID :</td><td>441009621469</td></tr><tr><td>Option 3 ID :</td><td>441009621470</td></tr><tr><td>Option 4 ID :</td><td>441009621468</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 :	441009156576	Option 1 ID :	441009621467	Option 2 ID :	441009621469	Option 3 ID :	441009621470	Option 4 ID :	441009621468	Status :	Answered	Chosen Option :	4
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Option 1 ID :	441009621467																	
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Option 3 ID :	441009621470																	
Option 4 ID :	441009621468																	
Status :	Answered																	
Chosen Option :	4																	

Q.3 4	What is the approximate temperature range of a neutral oxy-acetylene flame?
Ans	✔ 1. 3000°C-3500°C ✘ 2. 2000°C-2500°C ✘ 3. 2500°C-2750°C ✘ 4. 1500°C-2000°C
Question Type : MCQ Question ID : 441009154947 Option 1 ID : 441009614937 Option 2 ID : 441009614935 Option 3 ID : 441009614936 Option 4 ID : 441009614934 Status : Answered Chosen Option : 1	
Q.3 5	Which of the following parts is NOT associated with camshaft responsible for the opening and closing of engine valves?
Ans	✔ 1. Connecting rod ✘ 2. Rocker arms ✘ 3. Tappets ✘ 4. Push rods
Question Type : MCQ Question ID : 441009155034 Option 1 ID : 441009615283 Option 2 ID : 441009615284 Option 3 ID : 441009615285 Option 4 ID : 441009615282 Status : Answered Chosen Option : 1	
Q.3 6	A single plate friction clutch consists of a clutch disk between the:
Ans	✔ 1. flywheel and a pressure plate ✘ 2. pressure plate and driving shaft ✘ 3. differential gear and transmission gear box ✘ 4. driving shaft and differential gear
Question Type : MCQ Question ID : 441009155018 Option 1 ID : 441009615218 Option 2 ID : 441009615219 Option 3 ID : 441009615221 Option 4 ID : 441009615220 Status : Answered Chosen Option : 1	

Q.3 7	Which of the following parts of the engine is used to compress the charge during compression stroke and to transmit the gas force to the connecting rod and then to the crankshaft during power stroke?																
Ans	☒ 1. Piston ☐ 2. Cylinder head ☐ 3. Cylinder block ☐ 4. Crankcase																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009155051</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009615353</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009615350</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009615352</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009615351</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 :	441009155051	Option 1 ID :	441009615353	Option 2 ID :	441009615350	Option 3 ID :	441009615352	Option 4 ID :	441009615351	Status :	Answered	Chosen Option :	1
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Option 2 ID :	441009615350																
Option 3 ID :	441009615352																
Option 4 ID :	441009615351																
Status :	Answered																
Chosen Option :	1																
Q.3 8	A 100-mm prick punch with a 7-mm diameter body could have a 2.5-mm diameter point ground to an angle of _____.																
Ans	☒ 1. 30° ☐ 2. 45° ☐ 3. 90° ☐ 4. 120°																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009156629</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009621679</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009621680</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009621681</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009621682</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 :	441009156629	Option 1 ID :	441009621679	Option 2 ID :	441009621680	Option 3 ID :	441009621681	Option 4 ID :	441009621682	Status :	Answered	Chosen Option :	1
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Option 1 ID :	441009621679																
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Option 3 ID :	441009621681																
Option 4 ID :	441009621682																
Status :	Answered																
Chosen Option :	1																
Q.3 9	What is the best method of manufacturing of connecting rod used in an engine?																
Ans	☐ 1. Machining operation ☐ 2. Sand casting ☐ 3. Investment casting ☒ 4. Drop forging																
<table border="1"> <tr> <td>Question Type :</td> <td>MCQ</td> </tr> <tr> <td>Question ID :</td> <td>441009155039</td> </tr> <tr> <td>Option 1 ID :</td> <td>441009615305</td> </tr> <tr> <td>Option 2 ID :</td> <td>441009615302</td> </tr> <tr> <td>Option 3 ID :</td> <td>441009615304</td> </tr> <tr> <td>Option 4 ID :</td> <td>441009615303</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 :	441009155039	Option 1 ID :	441009615305	Option 2 ID :	441009615302	Option 3 ID :	441009615304	Option 4 ID :	441009615303	Status :	Answered	Chosen Option :	4
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Option 1 ID :	441009615305																
Option 2 ID :	441009615302																
Option 3 ID :	441009615304																
Option 4 ID :	441009615303																
Status :	Answered																
Chosen Option :	4																

Q.4 0	Which of the following statements about title block is/are true? Statement 1: The title block is situated in the bottom right-hand corner of the drawing sheet. Statement 2: The contents of the title block are standardised and cannot be modified to suit individual company needs.
Ans	☒ 1. Both statements are true ☒ 2. Both statements are false ☒ 3. Statement 1 is true, but statement 2 is false ☒ 4. Statement 1 is false, but statement 2 is true
Question Type : MCQ Question ID : 441009156563 Option 1 ID : 441009621415 Option 2 ID : 441009621418 Option 3 ID : 441009621416 Option 4 ID : 441009621417 Status : Answered Chosen Option : 1	
Q.4 1	A crucial engine component that ensures proper sealing of the intake and exhaust valves is known as:
Ans	☒ 1. valve barrier ☒ 2. valve ring ☒ 3. valve gasket ☒ 4. valve seat
Question Type : MCQ Question ID : 441009155059 Option 1 ID : 441009615382 Option 2 ID : 441009615385 Option 3 ID : 441009615383 Option 4 ID : 441009615384 Status : Answered Chosen Option : 3	
Q.4 2	A type of piston which provides an even distribution of the air-fuel mixture, consistent flame front during combustion and it has the smallest surface area on top is known as:
Ans	☒ 1. semi-spherical piston ☒ 2. dome piston ☒ 3. flat piston ☒ 4. dish piston
Question Type : MCQ Question ID : 441009155050 Option 1 ID : 441009615349 Option 2 ID : 441009615348 Option 3 ID : 441009615346 Option 4 ID : 441009615347 Status : Answered Chosen Option : 2	

Q.4 3	For the given tire size, as per specification as 205/55R16, what is the width of the tire?																	
Ans	☒ 1. 205 mm																	
	☐ 2. 880 mm																	
	☐ 3. $\frac{205}{55}$ mm																	
	☐ 4. 550 mm																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009154996</td></tr><tr><td>Option 1 ID :</td><td>441009615130</td></tr><tr><td>Option 2 ID :</td><td>441009615133</td></tr><tr><td>Option 3 ID :</td><td>441009615131</td></tr><tr><td>Option 4 ID :</td><td>441009615132</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 :	441009154996	Option 1 ID :	441009615130	Option 2 ID :	441009615133	Option 3 ID :	441009615131	Option 4 ID :	441009615132	Status :	Not Answered	Chosen Option :	--
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Option 3 ID :	441009615131																	
Option 4 ID :	441009615132																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.4 4	If the calliper bore diameter worn is greater than 2.630 inches (66.80 mm), what corrective action is recommended?																	
Ans	☒ 1. Replacing the calliper housing																	
	☐ 2. Replacing the piston																	
	☐ 3. Tightening the inlet fitting																	
	☐ 4. Adjusting the brake pads																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009241224</td></tr><tr><td>Option 1 ID :</td><td>441009942628</td></tr><tr><td>Option 2 ID :</td><td>441009942627</td></tr><tr><td>Option 3 ID :</td><td>441009942629</td></tr><tr><td>Option 4 ID :</td><td>441009942630</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 :	441009241224	Option 1 ID :	441009942628	Option 2 ID :	441009942627	Option 3 ID :	441009942629	Option 4 ID :	441009942630	Status :	Answered	Chosen Option :	2
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Question ID :	441009241224																	
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Option 3 ID :	441009942629																	
Option 4 ID :	441009942630																	
Status :	Answered																	
Chosen Option :	2																	

Q.4 5	Which of the following statements is correct about the clutch used in vehicles?
Ans	1. It allows the driver to lift and unload the bulk material from engine and transmission. 2. It allows the driver to change the speed of engine. 3. It allows the driver to couple or decouple the power transmission at will without stopping the engine. 4. It allows the driver to change the drive of engine in any direction.

Q.4	Which of the following colours is commonly used for caution signs?																
8																	
Ans	✓ 1. Yellow																
	✗ 2. Red																
	✗ 3. Blue																
	✗ 4. Green																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156601</td></tr><tr><td>Option 1 ID :</td><td>441009621569</td></tr><tr><td>Option 2 ID :</td><td>441009621570</td></tr><tr><td>Option 3 ID :</td><td>441009621568</td></tr><tr><td>Option 4 ID :</td><td>441009621567</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 :	441009156601	Option 1 ID :	441009621569	Option 2 ID :	441009621570	Option 3 ID :	441009621568	Option 4 ID :	441009621567	Status :	Answered	Chosen Option :	2
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Option 1 ID :	441009621569																
Option 2 ID :	441009621570																
Option 3 ID :	441009621568																
Option 4 ID :	441009621567																
Status :	Answered																
Chosen Option :	2																
Q.4	Acetylene hose-pipes are typically identified by their ____ colour.																
9																	
Ans	✓ 1. maroon																
	✗ 2. black																
	✗ 3. green																
	✗ 4. blue																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009154945</td></tr><tr><td>Option 1 ID :</td><td>441009614927</td></tr><tr><td>Option 2 ID :</td><td>441009614926</td></tr><tr><td>Option 3 ID :</td><td>441009614928</td></tr><tr><td>Option 4 ID :</td><td>441009614929</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 :	441009154945	Option 1 ID :	441009614927	Option 2 ID :	441009614926	Option 3 ID :	441009614928	Option 4 ID :	441009614929	Status :	Answered	Chosen Option :	1
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Option 3 ID :	441009614928																
Option 4 ID :	441009614929																
Status :	Answered																
Chosen Option :	1																
Q.5	Which of the following is NOT a part of the gear changing mechanism in an automatic transmission system?																
0																	
Ans	✗ 1. Torque converter																
	✗ 2. Epicyclic gear arrangement																
	✗ 3. Fluid coupling																
	✓ 4. Universal coupling																
<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009155003</td></tr><tr><td>Option 1 ID :</td><td>441009615161</td></tr><tr><td>Option 2 ID :</td><td>441009615158</td></tr><tr><td>Option 3 ID :</td><td>441009615159</td></tr><tr><td>Option 4 ID :</td><td>441009615160</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 :	441009155003	Option 1 ID :	441009615161	Option 2 ID :	441009615158	Option 3 ID :	441009615159	Option 4 ID :	441009615160	Status :	Not Answered	Chosen Option :	--
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Option 2 ID :	441009615158																
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Option 4 ID :	441009615160																
Status :	Not Answered																
Chosen Option :	--																

Q.5	Which property is NOT essential for a friction material?
1	
Ans	✖ 1. Low thermal conductivity
	✖ 2. Resistance to wear
	✔ 3. High noise generation
	✖ 4. Durability
Question Type : MCQ Question ID : 441009241226 Option 1 ID : 441009942636 Option 2 ID : 441009942638 Option 3 ID : 441009942637 Option 4 ID : 441009942635 Status : Answered Chosen Option : 3	

Q.5	In a logic circuit, two inputs A and B are applied to an AND gate, and the output of the
2	AND gate is connected to the input of a NOT gate. If the inputs A and B are both at logic 0, what will be the output of the entire circuit?
Ans	✖ 1. 2
	✔ 2. 1
	✖ 3. 0
	✖ 4. Undefined
Question Type : MCQ Question ID : 441009156517 Option 1 ID : 441009621233 Option 2 ID : 441009621231 Option 3 ID : 441009621232 Option 4 ID : 441009621234 Status : Not Answered Chosen Option : --	

Q.5	What type of rays are a significant hazard during arc welding?
3	
Ans	✔ 1. Ultraviolet and infrared rays
	✖ 2. X-rays and gamma rays
	✖ 3. Microwaves and radio waves
	✖ 4. Sound waves and visible light
Question Type : MCQ Question ID : 441009241229 Option 1 ID : 441009942649 Option 2 ID : 441009942647 Option 3 ID : 441009942648 Option 4 ID : 441009942650 Status : Answered Chosen Option : 2	

Q.5 4	If the vehicle does NOT move due to the brake system, what should be checked first?
Ans	✔ 1. Parking brake applied ✘ 2. Loose inlet fitting ✘ 3. Piston diameter ✘ 4. Brake adjuster
Question Type : MCQ Question ID : 441009154958 Option 1 ID : 441009614979 Option 2 ID : 441009614978 Option 3 ID : 441009614980 Option 4 ID : 441009614981 Status : Answered Chosen Option : 4	
Q.5 5	How much clearance is to be provided for compression ring fitted into the piston of an IC engine?
Ans	✘ 1. Approximately 0.095 – 1.80 mm for compression rings ✘ 2. Approximately 0.9 – 1.80 mm for compression rings ✔ 3. 0.002 D to 0.004 D where D is the cylinder bore ✘ 4. Approximately 0.035 – 0.080 mm for compression rings
Question Type : MCQ Question ID : 441009155046 Option 1 ID : 441009615332 Option 2 ID : 441009615333 Option 3 ID : 441009615331 Option 4 ID : 441009615330 Status : Answered Chosen Option : 4	
Q.5 6	Which of the following types of engine classifications is based on the thermodynamic cycle?
Ans	✔ 1. Otto cycle engine ✘ 2. Radial engine ✘ 3. V-engine ✘ 4. In-line cylinder engine
Question Type : MCQ Question ID : 441009241237 Option 1 ID : 441009942681 Option 2 ID : 441009942682 Option 3 ID : 441009942679 Option 4 ID : 441009942680 Status : Answered Chosen Option : 1	

Q.5	Which of the following types of additives are blended with the lubricant to reduce the surface tension of the oil?																	
7																		
Ans	☒ 1. Demulsifiers																	
	☒ 2. Tackiness agents																	
	☒ 3. Mist suppressors																	
	☒ 4. Emulsifiers																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009155024</td></tr><tr><td>Option 1 ID :</td><td>441009615245</td></tr><tr><td>Option 2 ID :</td><td>441009615244</td></tr><tr><td>Option 3 ID :</td><td>441009615243</td></tr><tr><td>Option 4 ID :</td><td>441009615242</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 :	441009155024	Option 1 ID :	441009615245	Option 2 ID :	441009615244	Option 3 ID :	441009615243	Option 4 ID :	441009615242	Status :	Not Answered	Chosen Option :	--
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Question ID :	441009155024																	
Option 1 ID :	441009615245																	
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Option 3 ID :	441009615243																	
Option 4 ID :	441009615242																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.5	Which of the following provisions is provided in the cylinder head during design for increasing the air cooling effect?																	
8																		
Ans	☒ 1. Dimple like shapes on surfaces are provided on the cylinder walls.																	
	☒ 2. Cylinder head is provided with water jackets.																	
	☒ 3. Cylinder block is provided with high speed cooling air flow.																	
	☒ 4. Fins or extended surfaces are provided on the cylinder walls and cylinder blocks.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009155071</td></tr><tr><td>Option 1 ID :</td><td>441009615433</td></tr><tr><td>Option 2 ID :</td><td>441009615430</td></tr><tr><td>Option 3 ID :</td><td>441009615431</td></tr><tr><td>Option 4 ID :</td><td>441009615432</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 :	441009155071	Option 1 ID :	441009615433	Option 2 ID :	441009615430	Option 3 ID :	441009615431	Option 4 ID :	441009615432	Status :	Answered	Chosen Option :	4
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Question ID :	441009155071																	
Option 1 ID :	441009615433																	
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Option 3 ID :	441009615431																	
Option 4 ID :	441009615432																	
Status :	Answered																	
Chosen Option :	4																	
Q.5	A voltmeter with a resistance of 10,000 ohms is connected across a circuit that has a voltage of 50 V. What is the current flowing through the voltmeter?																	
9																		
Ans	☒ 1. 5 mA																	
	☒ 2. 4 mA																	
	☒ 3. 1 mA																	
	☒ 4. 2 mA																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156535</td></tr><tr><td>Option 1 ID :</td><td>441009621306</td></tr><tr><td>Option 2 ID :</td><td>441009621305</td></tr><tr><td>Option 3 ID :</td><td>441009621303</td></tr><tr><td>Option 4 ID :</td><td>441009621304</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 :	441009156535	Option 1 ID :	441009621306	Option 2 ID :	441009621305	Option 3 ID :	441009621303	Option 4 ID :	441009621304	Status :	Answered	Chosen Option :	1
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Question ID :	441009156535																	
Option 1 ID :	441009621306																	
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Option 3 ID :	441009621303																	
Option 4 ID :	441009621304																	
Status :	Answered																	
Chosen Option :	1																	

Q.6 0	After removing the carbon deposit on the cylinder head, which of the following is used to clean the cylinder head?																	
Ans	☒ 1. Diesel																	
	☒ 2. Kerosene																	
	☒ 3. Cleaning solvent																	
	☒ 4. Lub oil																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009154970</td></tr><tr><td>Option 1 ID :</td><td>441009615029</td></tr><tr><td>Option 2 ID :</td><td>441009615027</td></tr><tr><td>Option 3 ID :</td><td>441009615026</td></tr><tr><td>Option 4 ID :</td><td>441009615028</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 :	441009154970	Option 1 ID :	441009615029	Option 2 ID :	441009615027	Option 3 ID :	441009615026	Option 4 ID :	441009615028	Status :	Not Answered	Chosen Option :	--
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Option 2 ID :	441009615027																	
Option 3 ID :	441009615026																	
Option 4 ID :	441009615028																	
Status :	Not Answered																	
Chosen Option :	--																	
Q.6 1	What does toe-in mean in the wheel alignment of a vehicle?																	
Ans	☒ 1. Wheels inclined inward at front																	
	☒ 2. Wheels rotated 90 degrees																	
	☒ 3. Wheels inclined outward at front																	
	☒ 4. Wheels parallel																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009154966</td></tr><tr><td>Option 1 ID :</td><td>441009615013</td></tr><tr><td>Option 2 ID :</td><td>441009615010</td></tr><tr><td>Option 3 ID :</td><td>441009615011</td></tr><tr><td>Option 4 ID :</td><td>441009615012</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 :	441009154966	Option 1 ID :	441009615013	Option 2 ID :	441009615010	Option 3 ID :	441009615011	Option 4 ID :	441009615012	Status :	Answered	Chosen Option :	1
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Option 2 ID :	441009615010																	
Option 3 ID :	441009615011																	
Option 4 ID :	441009615012																	
Status :	Answered																	
Chosen Option :	1																	
Q.6 2	When creating 10 mm single-stroke capital letters in vertical style, what does the 10 mm distance between horizontal parallel lines represent?																	
Ans	☒ 1. Letter width																	
	☒ 2. Interline spacing																	
	☒ 3. Stroke thickness																	
	☒ 4. Letter height																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156570</td></tr><tr><td>Option 1 ID :</td><td>441009621443</td></tr><tr><td>Option 2 ID :</td><td>441009621446</td></tr><tr><td>Option 3 ID :</td><td>441009621444</td></tr><tr><td>Option 4 ID :</td><td>441009621445</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 :	441009156570	Option 1 ID :	441009621443	Option 2 ID :	441009621446	Option 3 ID :	441009621444	Option 4 ID :	441009621445	Status :	Answered	Chosen Option :	4
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Question ID :	441009156570																	
Option 1 ID :	441009621443																	
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Option 3 ID :	441009621444																	
Option 4 ID :	441009621445																	
Status :	Answered																	
Chosen Option :	4																	

Q.6 3	What is the typical temperature range of a mercury-based clinical thermometer?
Ans	✗ 1. 0°C to 100°C ✗ 2. 0°C to 50°C ✓ 3. 35°C to 42°C ✗ 4. -10°C to 110°C
Question Type : MCQ Question ID : 441009240901 Option 1 ID : 441009941564 Option 2 ID : 441009941561 Option 3 ID : 441009941562 Option 4 ID : 441009941563 Status : Answered Chosen Option : 1	
Q.6 4	When flushing a radiator, what is the purpose of submerging the radiator in a water tank after flushing?
Ans	✗ 1. To cool the radiator ✓ 2. To check for leaks using air pressure ✗ 3. To refill the radiator with coolant ✗ 4. To clean the exterior of the radiator
Question Type : MCQ Question ID : 441009154972 Option 1 ID : 441009615035 Option 2 ID : 441009615034 Option 3 ID : 441009615037 Option 4 ID : 441009615036 Status : Answered Chosen Option : 1	
Q.6 5	For the given tire size, as per specification as 205/55R16, what is the width of the tire?
Ans	✓ 1. 205 mm ✗ 2. 205/55 mm ✗ 3. 550 mm ✗ 4. 880 mm
Question Type : MCQ Question ID : 441009259916 Option 1 ID : 4410091013315 Option 2 ID : 4410091013316 Option 3 ID : 4410091013317 Option 4 ID : 4410091013318 Status : Not Attempted and Marked For Review Chosen Option : --	

Q.6	Convert 8.5% into a decimal.
6	
Ans	✔ 1. 0.085
	✘ 2. 0.85
	✘ 3. 85
	✘ 4. 8.5

Question Type :	MCQ
Question ID :	441009161836
Option 1 ID :	441009640997
Option 2 ID :	441009640998
Option 3 ID :	441009641000
Option 4 ID :	441009640999
Status :	Answered
Chosen Option :	1

Q.6	The emergency brake locks the wheels by bypassing which system?
7	
Ans	✘ 1. Air pressure system
	✘ 2. Fuel injection system
	✘ 3. Electric brake system
	✔ 4. Hydraulic brake system

Question Type :	MCQ
Question ID :	441009155092
Option 1 ID :	441009615516
Option 2 ID :	441009615517
Option 3 ID :	441009615514
Option 4 ID :	441009615515
Status :	Answered
Chosen Option :	4

Q.6 Match the following types of lines with their correct descriptions according to their orientation and characteristics.

Description

A. A line that is neither parallel to a horizontal plane nor perpendicular to it

B. A line that is perpendicular to horizontal lines.
--

C. A line that changes its direction continuously.
--

D. A line that is parallel to a horizontal plane.

Ans 1. A - 2, B - 3, C - 4, D - 1

✓ 2. A - 3, B - 2, C - 4, D - 1

X 3. A - 2, B - 1, C - 4, D - 3

X 4. A - 1, B - 2, C - 3, D - 4

Question Type : **MCQ**

Question ID : 441009156574

Option 1 ID : 441009621461

Option 2 ID :	441009621460
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Option 3 ID :	441009621459
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Option 4 ID :	441009621462
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Status : **Answered**

Chosen Option : **2**

Q.6 For your safety at work, which of the following should be ensured?

9 1. All the required protective clothing and equipment are used.
2. Training and instruction necessary for performing tasks safely have been received.

Ans 1. Only statement 1

X 2. Only statement 2

✓ 3. Both statements 1 and 2

X 4. Neither statement 1 nor 2

Question Type : **MCQ**

Question ID : 441009156618

Option 1 ID : 441009621635

Option 2 ID :	441009621636
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Option 3 ID :	441009621637
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Option 4 ID :	441009621638
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Status : **Answered**

Chosen Option : **3**

Q.7 0	Which of the following 'V' blocks will have one 'V' groove and two grooves (slots) on either side for clamping in two positions?																	
Ans	✓ 1. Single level double groove 'V' block ✗ 2. Double level single groove 'V' block ✗ 3. Single level single groove 'V' block ✗ 4. Matched pair 'V' block																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009240893</td></tr><tr><td>Option 1 ID :</td><td>441009941530</td></tr><tr><td>Option 2 ID :</td><td>441009941531</td></tr><tr><td>Option 3 ID :</td><td>441009941529</td></tr><tr><td>Option 4 ID :</td><td>441009941532</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 :	441009240893	Option 1 ID :	441009941530	Option 2 ID :	441009941531	Option 3 ID :	441009941529	Option 4 ID :	441009941532	Status :	Answered	Chosen Option :	1
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Question ID :	441009240893																	
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Option 2 ID :	441009941531																	
Option 3 ID :	441009941529																	
Option 4 ID :	441009941532																	
Status :	Answered																	
Chosen Option :	1																	
Q.7 1	Which of the following terms in the 5S concept refers to making a habit of maintaining the established procedures?																	
Ans	✗ 1. Set ✓ 2. Sustain ✗ 3. Sort ✗ 4. Shine																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009240884</td></tr><tr><td>Option 1 ID :</td><td>441009941494</td></tr><tr><td>Option 2 ID :</td><td>441009941495</td></tr><tr><td>Option 3 ID :</td><td>441009941493</td></tr><tr><td>Option 4 ID :</td><td>441009941496</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 :	441009240884	Option 1 ID :	441009941494	Option 2 ID :	441009941495	Option 3 ID :	441009941493	Option 4 ID :	441009941496	Status :	Answered	Chosen Option :	2
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Option 2 ID :	441009941495																	
Option 3 ID :	441009941493																	
Option 4 ID :	441009941496																	
Status :	Answered																	
Chosen Option :	2																	
Q.7 2	If the length of a resistor is doubled, what happens to its resistance, assuming all other factors remain constant?																	
Ans	✗ 1. The resistance quadruples. ✗ 2. The resistance remains the same. ✗ 3. The resistance is halved. ✓ 4. The resistance is doubled.																	
		<table><tr><td>Question Type :</td><td>MCQ</td></tr><tr><td>Question ID :</td><td>441009156530</td></tr><tr><td>Option 1 ID :</td><td>441009621286</td></tr><tr><td>Option 2 ID :</td><td>441009621284</td></tr><tr><td>Option 3 ID :</td><td>441009621283</td></tr><tr><td>Option 4 ID :</td><td>441009621285</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 :	441009156530	Option 1 ID :	441009621286	Option 2 ID :	441009621284	Option 3 ID :	441009621283	Option 4 ID :	441009621285	Status :	Answered	Chosen Option :	4
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Question ID :	441009156530																	
Option 1 ID :	441009621286																	
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Option 3 ID :	441009621283																	
Option 4 ID :	441009621285																	
Status :	Answered																	
Chosen Option :	4																	

Q.7 3	What is a consequence of using a lower heat input in oxy-acetylene welding?
Ans	☒ 1. Reduced filler metal requirement
	☒ 2. Increased weld penetration
	☒ 3. Slower welding speed
	☒ 4. Increased welding speed
Question Type : MCQ Question ID : 441009154946 Option 1 ID : 441009614932 Option 2 ID : 441009614933 Option 3 ID : 441009614931 Option 4 ID : 441009614930 Status : Answered Chosen Option : 3	

Q.7 4	What is the state of the metal at the junction when heat is applied during resistance welding?
Ans	☒ 1. Liquid
	☒ 2. Plastic
	☒ 3. Solid
	☒ 4. Gaseous
Question Type : MCQ Question ID : 441009241223 Option 1 ID : 441009942625 Option 2 ID : 441009942623 Option 3 ID : 441009942624 Option 4 ID : 441009942626 Status : Answered Chosen Option : 2	

Q.7 5	What is the reason that cam lobe causes the engine to make a ticking or tapping noise, especially when idling, and is often rhythmic and varies in loudness?
Ans	☒ 1. When the cam lobe is subjected to higher load.
	☒ 2. When the cam lobe is hot.
	☒ 3. When the cam lobe wears out.
	☒ 4. When cam lobe is has insufficient lubrication.
Question Type : MCQ Question ID : 441009155030 Option 1 ID : 441009615268 Option 2 ID : 441009615266 Option 3 ID : 441009615267 Option 4 ID : 441009615269 Status : Answered Chosen Option : 4	