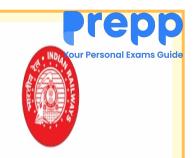


रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS सी ई एन आर आर बी - ०३/२०२४ - CEN RRB - 03/2024



Test Center Name	
Test Date	16/12/2024
Test Time	4:30 PM - 6:00 PM
Subject	RRB JE DMS CMA CS MS

* Note

Ans

✓ 1. Length of the conductor

X 3. Power of the conductor

X 2. Current through the conductor

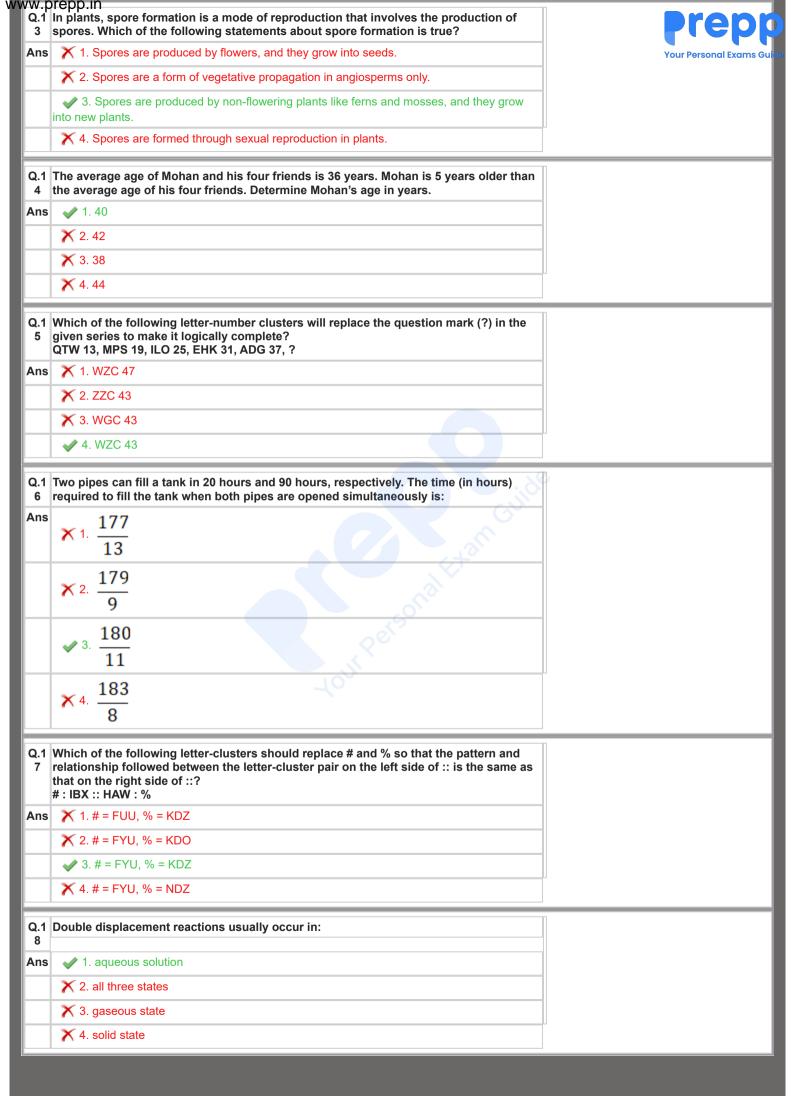
Correct Answer will carry 1 mark per Question.

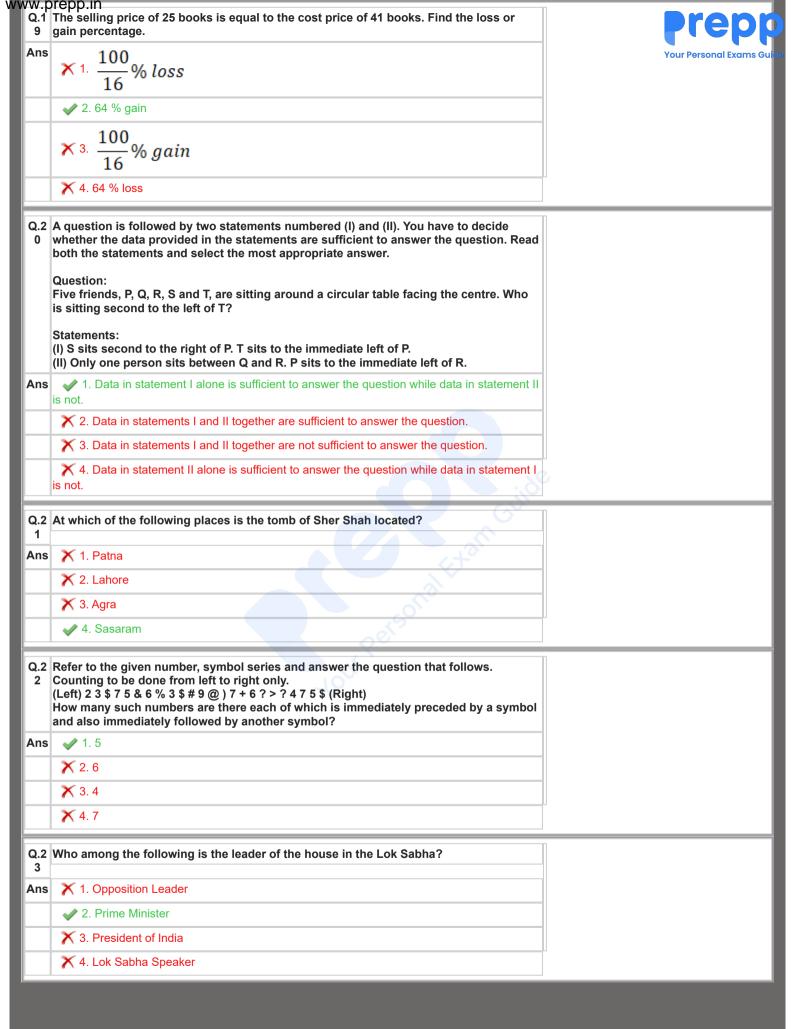
Incorrect Answer will carry 1/3 Negative mark per Question.

- 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.

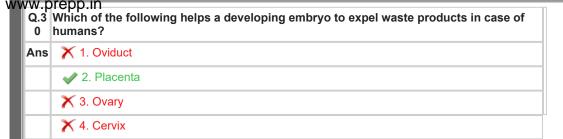
Secti	Section: RRB JE, DMS, CMA, CS, MS CBT-1			
Q.1	In the reaction MnO ₂ + 4HCl → MnCl ₂ + 2H ₂ O + Cl ₂ , what is being reduced?			
Ans	★ 1. Chlorine (CI)			
	✓ 2. Manganese (Mn)			
	X 3. Oxygen (O)			
	X 4. Hydrogen (H)			
Q.2	Who is the author of 'Segar: Autobiography with Paintings,' published in 2013?			
Ans	★ 1. Salman Rushdie			
	✓ 2. D Raja Segar			
	X 3. Jhumpa Lahiri ✓ 4. Jhumpa Lahiri ✓ 4. Jhumpa Lahiri ✓ 5. Jhumpa Lahiri ✓			
	★ 4. Githa Hariharan			
	What is the perimeter of a sector of a circle (in cm) if the radius of the circle is 10.5 cm and the angle subtended at the centre of the circle is 60°? (Use $\pi = \frac{22}{7}$)			
	★ 2. 37			
	★ 3. 41			
	✓ 4. 32			
Q.4	Which factor does NOT affect the electric power consumed by an electric device?			
Ans	★ 1. Resistance of the device			
	★ 2. Voltage applied to the device			
	★ 4. Current passing through the device			
Q.5	Which of the following factors directly affects the resistance of a conductor?			

Q.6	After fertilisation, the zygote divides multiple times to form which structure within the ovule?	Prepr
Ans	★ 1. Style	Your Personal Exams Guid
	✓ 2. Embryo	
	X 3. Seed X 3. Seed	
	X 4. Fruit	
Q.7	If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4835176, what will be the sum of the digits which are second from the left and second from the right?	
Ans	X 1. 11	
	✓ 2. 14	
	✗ 3. 12	
	× 4. 10	
Q.8	Three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the letter-cluster pair that does NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)	
Ans	★ 1. ZW - SP	
	★ 2. NK - GD	
	★ 4. TQ - MJ	
Q.9	According to the Citizenship Amendment Act of 2019, individuals who entered India on or before and belong to the Hindu, Sikh, Buddhist, Jain, Parsi or Christian community from Pakistan, Afghanistan or Bangladesh are eligible for citizenship.	
Ans	X 1. 31 December 2017	
	➤ 2. 31 December 2016	
	★ 4. 31 December 2015	
Q.1 0	Which of the following are the 6 accounts that have a role in the economic classification of the budget?	
Ans	★ 1. Accounts 1 to 6: Transaction in commodities and services and transfers	
	★ 2. Accounts A to F: Transaction in goods, services, and capital	
	★ 4. Accounts X to XV: Transaction in current and capital assets	
Q.1 1	Which of the following metals is least likely to corrode in moist air?	
Ans	★ 1. Magnesium	
	X 2. Zinc	
	✓ 3. Copper	
	X 4. Iron	·
	P is the son of Q's brother R. S is the wife of Q and T is the son of S. How is P related to S?	
Ans		
	➤ 2. Brother's son	
	✓ 3. Father's brother's son	
	X 4. Father's son	





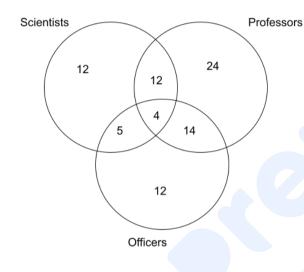
ww.ρ Q.2 4	repp.in The mean marks of the f	following distribution	n is:	Prep
	Marks Obtained	No. of Students		Your Personal Exams G
	83	9		
	73	5		
	20	18		
	82	16		
Ans	✓ 1. 58			
	X 2. 78			
	X 3. 57			
	× 4. 50			
Q.2 5	Which of the following is the cor	rect formula for the first me	ember of the alkene series?	
Ans	X 1. C₅H₁₀			
	✓ 2. C ₂ H ₄			
	X 3. C₃H₀			
	X 4. C₄H ₈			
	¥ (1. 0416			7
Q.2 6	Which of the following ratio is sn	nallest?		
Ans	X 1. 17 : 39			
	✓ 2. 10 : 36			
	X 3. 15 : 33			
	X 4. 23 : 48			1
				1
	What should come in place of the English alphabetical order?	e question mark (?) in the g	iven series based on the	
	GNK IPM KRO MTQ ?			
Ans	√ 1. OVS			
	X 2. OUR	10%		
	X 3. OUS			
	★ 4. OVR			
Q.2 8	Akshat completes his journey in the rest at 36 km/h. What is the le	10 hours. He covers half the	ne distance at 72 km/h and	
Ans	X 1. 473			
	X 2. 471			
	✓ 3. 480			
	X 4. 481			
Q.2 9	A number when increased by 50	%', gives 2910. The numbe	r is:	
Ans	X 1. 5820			
	✓ 2. 1940			
	X 3. 3880			
	× 4. 970]





	If at same rate of interest, in 2 years, the simple interest is ₹56 and compound interest is ₹72, then what is the principal (in ₹)?		
Ans	★ 1. 44		
	✓ 2. 49	l	
	★ 3. 53	l	
	X 4. 42		

Q.3 Study the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons/objects.

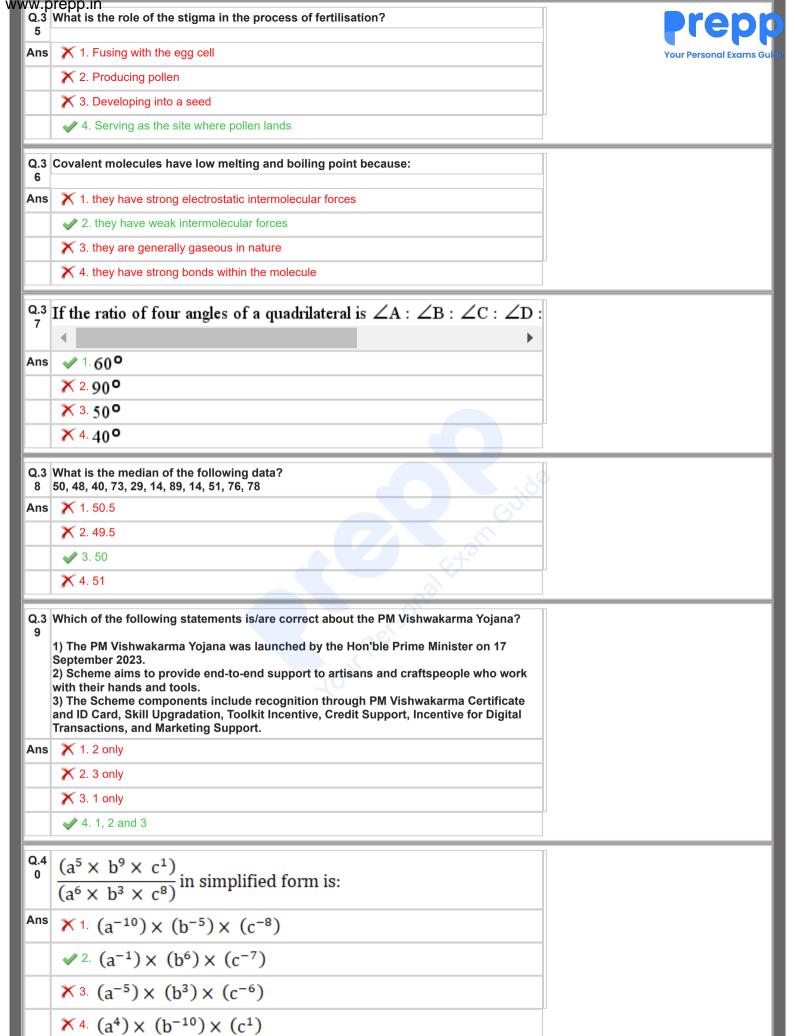


How many such officers exist that are also scientists but not professors?

	now many such officers exist that are also scientists but not professors:
Ans	★ 1. 12
	X 2. 16
	✗ 3. 4
	✓ 4. 5

	Find the value of $2.5 \times 4 + 3.68 \div 4 - 8.46 \times 2 + 7.365$	$\times 4 + 2.8 \times 3$
3	◀	>
Ans	X 1. 27.98	
	★ 2. 28.96	
	✓ 3. 28.51	
	★ 4. 27.21	

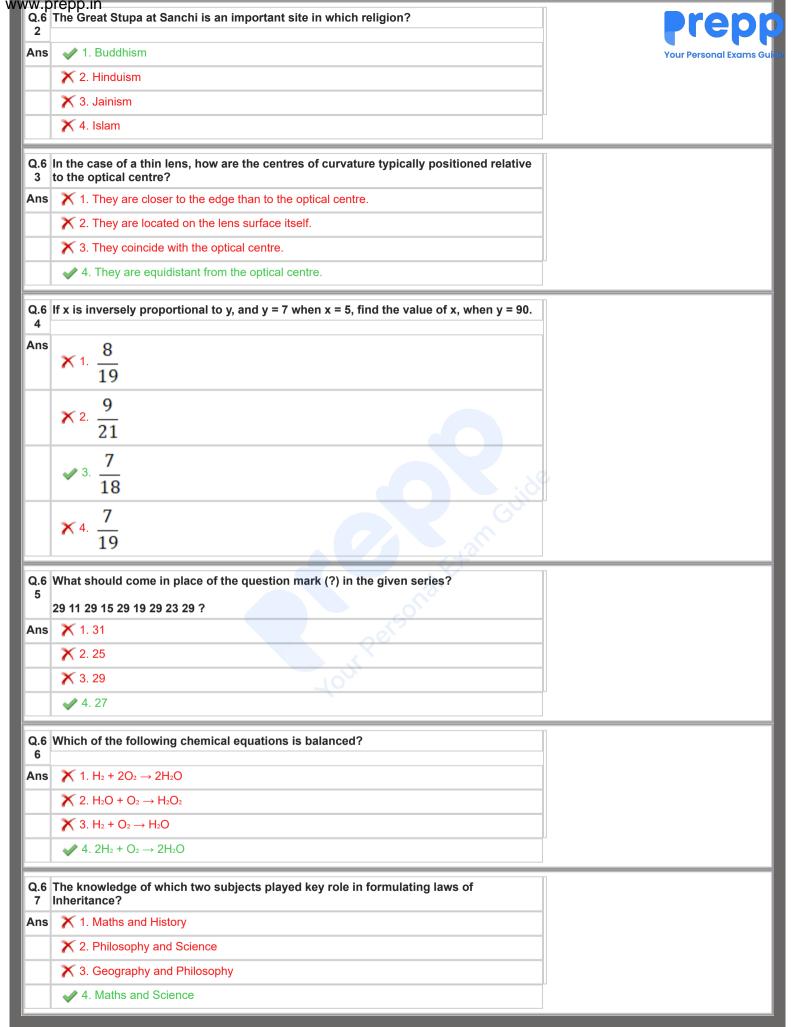
	A vendor bought lemons at 40 for a rupee. How many must he sell for a rupee to gain 25%?
Ans	✓ 1. 32
	★ 2. 36
	★ 3. 33



1	If 'M' is the smallest perfect square number, which is exactly divisible by 12, 15 and 18, then find the sum of the digits of the quotient obtained, when M is divided by 25.	Prep
Ans	★ 1. 7	Your Personal Exam
	× 2.8	
	× 3. 6	
	✓ 4. 9	
2	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Left) 7 % > 9 2 & 4 < 3 # 8 \$ 5 * 6 ^ # 1 (Right) If all the symbols are dropped from the series, which of the following will be third from the left?	
Ans	✓ 1. 2	
	× 2. 4	
	X 3. 3	
	X 4.8	
\rightarrow	If $\sin\theta = \frac{12}{13}$, then what is the value of $26 \sin\theta - 10 \sec\theta$?	
۱ns	X 1.0	
	★ 2.1	
	★ 3. 2	
	✓ 4. −2	
4		
Ans	X 1. R ² X 2. R/2 ✓ 3. 2R	
Ans	★ 2. R/2	
Q.4 5		
Q.4 5	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 	
Q.4 5	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. 	
Q.4 5	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours 	
Q.4 5	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours 	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours 	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)².	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)².	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac X 2. 16a² + 36b² + 81c² + 48ab + 108bc + 82ac 	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac 	
Q.4 5 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac X 2. 16a² + 36b² + 81c² + 48ab + 108bc + 82ac ✓ 3. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 103bc + 72ac 	
Q.4 5 Ans Q.4 6 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac X 2. 16a² + 36b² + 81c² + 48ab + 108bc + 82ac ✓ 3. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 103bc + 72ac Resistance is the property of a material that 	
Q.4 5 Ans Q.4 6 Ans	X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac X 2. 16a² + 36b² + 81c² + 48ab + 108bc + 82ac ✓ 3. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 6. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 7. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 8. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 1. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac	
Q.4 5 Ans Q.4 6 Ans	 X 2. R/2 ✓ 3. 2R X 4. R Find the total time taken by boat to travel upstream and downstream, if the distance travel in each direction (upstream and downstream) is 270km. If speed of boat is 24 km/h and speed of current is 21 km/h. X 1. 106 hours X 2. 104 hours X 3. 87 hours ✓ 4. 96 hours Write the expanded form of (4a + 6b + 9c)². X 1. 16a² + 36b² + 81c² + 52ab + 108bc + 72ac X 2. 16a² + 36b² + 81c² + 48ab + 108bc + 82ac ✓ 3. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 108bc + 72ac X 4. 16a² + 36b² + 81c² + 48ab + 103bc + 72ac Resistance is the property of a material that 	

ww.p	repp.in What should come in place of the question mark (?) in the given series?	D #40.00
8	305 251 206 170 143 ?	repp
Ans		Your Personal Exams Guid
	✓ 2. 125	
	★ 3. 120	
	★ 4. 115	
H		
Q.4 9	Who among the following secured a gold medal for India at the Paris Paralympics 2024?	
Ans	★ 1. Sachin Khilari	
	★ 2. Hokato Hotozhe Sema	
	X 3. Pranav Soorma	
L	✓ 4. Navdeep Singh	
Q.5 0	Evaluate: 16 + 18 ÷ 3 - 3 × 3	
Ans	★ 1. 15	
	★ 2. 12	
	✗ 3. 16	
	✓ 4. 13	·
	Keshav starts from Point A and drives 22 km towards the South. He then takes a left turn, drives 24 km, turns left and drives 27 km. He then takes a left turn and drives 25 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified)	,
Ans		
	✓ 2. 1 km to the east	
	X 3. 4 km to the east	
	X 4. 3 km to the east	
	In which of the following scenarios does the focal length of a concave mirror vary?	
2 Ans	★ 1. When placed in air	
7.110	X 2. When placed in water	
	✓ 3. Focal length does not vary in any media	
	★ 4. When placed in a vacuum	
Q.5	Write the expanded form of (3a + 5b + 7c) ² .	
3		
Ans	.,	
l-	\times 2. 9a ² + 25b ² + 49c ² + 30ab + 70bc + 52ac	
L	\checkmark 3. $9a^2 + 25b^2 + 49c^2 + 30ab + 70bc + 42ac$	
	\times 4. 9a ² + 25b ² + 49c ² + 30ab + 65bc + 42ac	
Q.5 4	Why might surgical family planning methods be risky if not done correctly?	
Ans	★ 1. They can increase fertility.	
	✓ 2. They can lead to infections or complications.	
	★ 3. They may cause hormonal side effects.	
	★ 4. They might prevent ovulation.	

WW.p Q.5 5	Prepp.IN Which of the following best describes a combination reaction?	Prepr
Ans	★ 1. A reaction where a product releases gas	Your Personal Exams Guide
	✓ 2. Two elements combine to form a compound	
-	★ 3. Ions exchange between two compounds	
	X 4. A compound breaks down into simpler substances	
H		
Q.5 6	What is the thread-like structure in Rhizopus?	
Ans	★ 1. Sporangia	
	X 2. Spores	
	X 3. Blobs	
	✓ 4. Hyphae	
Q.5 7	Why does a compass needle get deflected when brought near a bar magnet?	
Ans	✓ 1. The compass needle is a small bar magnet.	
	★ 2. The compass needle is non-magnetic.	
	★ 3. The compass needle has electric charge.	
	X 4. The compass needle is made of iron.	
0.5	Find the simple interest (in closest integral ₹) on ₹3000 at 8% per annum rate of interest	
8	for the period from 25 February 2024 to 26 April 2024	
Ans	★ 1. 39	
	★ 2. 38	
	★ 3. 41	
	✓ 4. 40	
	Which of the following is NOT a private sector company in India?	
9 Ans	X 1. Dabur	
Alis	X 2. Tata Iron and Steel Company	
_	✓ 3. Bharat Heavy Electricals Limited	
l-	X 4. Bajaj Auto Limited	
	7. Bajaj Nato Elittica	
Q.6 0	Two taps can fill a cistern in 2 hours and 47 hours respectively. A third tap can empty it in 47 hours. How long (in hours) will it take to fill the empty cistern, if all of them are opened together?	
Ans		
	★ 2. 5	
	★ 3. 3	
	✓ 4. 2	·
Q.6 1	What was the venue of the 57 th ASEAN Foreign Ministers' Meeting?	
Ans	🗙 1. Jakarta, Indonesia	
	✗ 2. Kuala Lumpur, Malaysia	
	✓ 3. Vientiane, Lao People's Democratic Republic	
	★ 4. Naypyidaw, Myanmar	

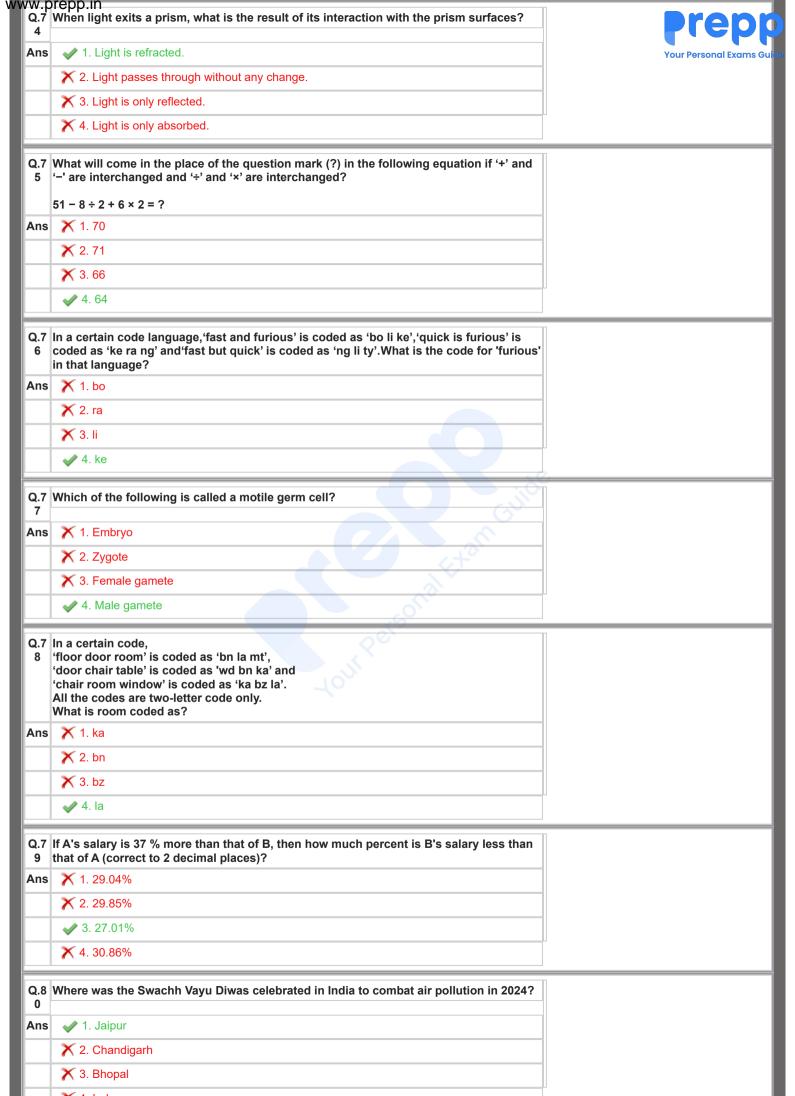


www.prepp.in Q.6 Two sets of numbers are given below. In each set of numbers, certain mathematical 8 operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows 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.) 6-36-46-92; 7-49-59-118 X 1. 4-16-26-62 Ans **2**. 5-25-35-70 X 3. 8-64-74-138 X 4. 3-9-29-58 Q.6 Which of the following statements is true about the pH of a neutral solution at 25°C? X 1. The pH is less than 7. Ans X 2. The pH is greater than 7. X 3. The pH is not equal to 7. 4. The pH is equal to 7. Q.7 Select the letter-cluster pair that best represents a similar relationship to the one expressed in the pairs of letter-clusters given below. DMO: HPM LIF: PLD X 1. ENZ : IQY X 2. RKY: VNV 3. VFP : ZIN X 4. NEL: RGJ Q.7 Q, R, S, T, U and V live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6. S lives on the third floor. Only two people live between S and U. R lives on one of the floors below U but immediately above Q. Q does not live on the fourth floor. V lives on an odd numbered floor. How many people live between T and Q? Ans X 1. Four X 2. Three 3. Two X 4. One Q.7 A cylindrical rod has an outer curved surface area of 4500 cm². If the length of the rod is 39 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is: Take $\pi = \frac{22}{7}$ **Ans** X 1. 20.48 **X** 2. 18.25 **X** 3. 20.93 **4**. 18.36 Q.7 Write the expanded form of $(3a + 6b + 5c)^2$.

 \times 1. 9a² + 36b² + 25c² + 40ab + 60bc + 30ac

 \checkmark 2. $9a^2 + 36b^2 + 25c^2 + 36ab + 60bc + 30ac$ \checkmark 3. $9a^2 + 36b^2 + 25c^2 + 36ab + 55bc + 30ac$

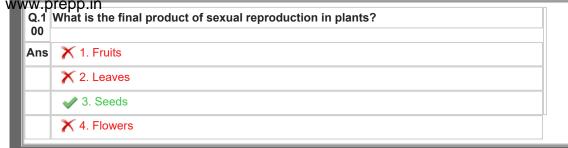
Ans



VW.L	prepp.in	
Q.8	When an atom of sodium reacts with an atom of chlorine to form sodium chloride, each sodium atom:	Prepr
Ans	★ 1. gains one proton	Your Personal Exams Guid
	X 2. loses one proton	
	✓ 3. loses one electron	
	★ 4. gains one electron	
0.8	The current through a resistor is:	
2	The current timough a resistor is.	
Ans	✓ 1. inversely proportional to the resistance	
	★ 2. proportional to the square of the resistance	
	★ 3. proportional to the square root of the resistance	
	★ 4. directly proportional to the resistance	
Q.8 3	The average price of three items of furniture is Rs 16800. If their prices are in the ratio 3:5:7, the price of the cheapest item (in Rs) is	
Ans	★ 1. 5600	
	✓ 2. 10080	
	★ 3. 7840	
	× 4. 3360	
	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.)	
Ans	☐ 1. VY-CI	
	X 2. SV-ZF	
	X 3. HK-OU	
	✓ 4. FI-NS	
5	7 is related to 9.8 following a certain logic. Following the same logic, 11 is related to 15.4. To which of the given options is 9 related, following the same logic? (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.)	
Ans	• • • • • • • • • • • • • • • • • • • •	
	★ 2. 12.4	
	✓ 3. 12.6	
	★ 4. 11.6	
	The Moplah Rebellion of 1921 took place in which of the following regions?	
6 Ans	X 1. Assam	
V119	✓ 2. Kerala	
	·	
-	X 3. Punjab	
	X 4. Bengal	

Q.8 7	S, T, U, V, W, X and Y are sitting around a circular table facing the centre. S sits fourth to the left of W. T sits second to the right of S. V is neither the immediate neighbour of T nor S. X sits third to the right of V. Y is not the immediate neighbour of W. How many people are sitting between S and T, when counted from the left of S?	Prepp Your Personal Exams Gula
Ans	·	
	× 2. Three	
	★ 3. Two	
	X 4. One	
8	B, C, D, F and H have different marks. Only one person has scored between B and D. Only three people have scored between H and B. No one has scored between F and B and F's score is more than B's score. How many people have scored less than C?	
Ans	★ 1. Two	
	✓ 2. Three	
	※ 3. One	
	X 4. Four	
9	Space Kidz India has launched the ShakthiSAT mission to train girls aged 14-18 from 108 countries in space technology, aiming for a satellite launch under ISRO's Chandrayaan-4 mission in 2026.	
Ans	X 1. 10,000	
	2.5000	
	✓ 3. 12,000	
	★ 4. 7500	
	What is the correct sequence of following mountain ranges of India from north to south? 1. Vindhya Range 2. Aravalli Range 3. Ajanta Range 4. Satpura Range	
Ans	X 1. 2, 1, 3, 4	
	X 2. 1, 2, 4, 3	
	✓ 3. 2, 1, 4, 3	
	★ 4. 1, 2, 3, 4	
Q.9 1	Which of the following is true regarding the bud development process in Hydra?	
Ans		
	✓ 2. Cell divisions at one site	
	X 3. Splitting of nucleus	
	★ 4. Splitting of cytoplasm	
Q.9 2	If x varies inversely as y^3 - 1 and is equal to 7 when $y = 2$, find x when $y = 6$.	
Ans	× 1. $\frac{49}{216}$	
	216	
	49	
	√ 2. $\frac{49}{215}$	
	× 3. $\frac{51}{215}$	
	50	
	\times 4. $\frac{50}{216}$	

ww.p	repp.in In which case will a lens produce a magnification of exactly 1?	Buone
3		Lebb
Ans	✓ 1. When the object is placed at twice the focal length	Your Personal Exams Guid
	★ 2. When the object is placed at the focal point	
_	★ 3. When the object is placed between centre of curvature and focal point	
	★ 4. When the object is at infinity	
	A shopkeeper sells an item for ₹287.7 after giving two successive discounts of 86% and 85% on its marked price. Had he not given any discount, he would have earned a profit of 37%. What is the cost price (in ₹) of the item?	
Ans	★ 1. 9958	
	★ 2. 10046	
	✓ 3. 10000	
	★ 4. 10038	·
Q.9 5	Which of the following is related to Article 84 of the Constitution?	
Ans	★ 1. Disqualification for membership	
	✓ 2. Qualification for membership of Parliament	
	X 3. Annual Financial Statement	
	★ 4. Ordinance making Power of President	
	Militar of the fellowing and the death of the second of th	1
Q.9 6	Which of the following reactions leads to the production of bleaching powder?	
Ans	\star 1. CaCO ₃ + HCl \rightarrow CaCl ₂ + CO ₂ + H ₂ O	
	\star 2. CaO + H ₂ O \rightarrow Ca(OH) ₂	
	X 3. Ca(OH) ₂ + CO ₂ \rightarrow CaCO ₃ + H ₂ O	
	\checkmark 4. Ca(OH) ₂ + Cl ₂ \rightarrow CaOCl ₂ + H ₂ O	
	Select the option in which the triads share the same relationship as that shared by the given triads.	
	HAND - ANDH - NDHA BIRD - IRDB - RDBI	
Ans	10	
-	X 2. FROG - ROFF	
\vdash	✓ 3. ROSE - OSER - SERO	
╟	X 4. CUBE - CEBU - BUEC	
Q.9 8	The average price of three items of furniture is Rs 16875. If their prices are in the ratio 3:5:7, the price of the cheapest item (in Rs) is	
Ans		
	✓ 2. 10125	
	★ 3. 7875	
	★ 4. 5625	
\vdash		
Q.9 9	In a row of people all facing north, Shakshi is 11 th from the left end. Ravi is 12 th from the left end. Ravi is exactly between Shakshi and Ron. If Ron is 14 th from the right end of the row, how many people are there in the row?	
Ans	★ 1. 25	
	✓ 2. 26	
	✗ 3. 27	
	★ 4. 28	·





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