



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD  
सी०ई०एन० ०८/२०२४ -7 वें सीपीसी वेतन मैट्रिक्स के लेवल १ में विभिन्न पदों हेतु  
CEN 08/2024- Various Posts in Level 1 of 7th CPC Pay Matrix



Test Date	28/11/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB Level 01 Stage I

\* Note  
Correct Answer will carry 1 mark per Question.  
Incorrect Answer will carry 1/3 Negative mark per Question.

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

Section : General Science

Q.1	Which of the following statements is correct?  Statement 1: The magnetic field lines produced around a straight current-carrying conductor form concentric circles centred along the wire. Statement 2: The direction of these magnetic field lines can be determined using the right-hand thumb rule.	
Ans	<input checked="" type="checkbox"/> A. Both statements 1 and 2 are correct.	
	<input checked="" type="checkbox"/> B. Both statements 1 and 2 are incorrect.	
	<input checked="" type="checkbox"/> C. Statement 1 is incorrect, but 2 is correct.	
	<input checked="" type="checkbox"/> D. Statement 1 is correct, but 2 is incorrect.	
Q.2	Which of the following statements is true about gravitational force of the Earth?	
Ans	<input checked="" type="checkbox"/> A. It acts away from the centre of Earth.	
	<input checked="" type="checkbox"/> B. It depends on the mass of the object.	
	<input checked="" type="checkbox"/> C. It is a non-central force.	
	<input checked="" type="checkbox"/> D. It is independent of distance from Earth's centre.	
Q.3	What is the sequence of stages involved in the budding process of hydra?	
Ans	<input checked="" type="checkbox"/> A. Bud maturation → Bud initiation → Bud detachment → New individual	
	<input checked="" type="checkbox"/> B. Bud initiation → Bud maturation → Bud detachment → New individual	
	<input checked="" type="checkbox"/> C. New individual → Bud maturation → Bud detachment → Bud initiation	
	<input checked="" type="checkbox"/> D. Bud initiation → Bud detachment → Bud maturation → New individual	
Q.4	பின்வரும் செயல்பாடுகளில் எது பொருளின் துகள்களுக்கு இடையில் இடைவெளிகள் இருப்பதை நிரூபிக்கிறது?	
Ans	<input checked="" type="checkbox"/> A. ஒரு திரவத்தை உறைய வைத்தல்	
	<input checked="" type="checkbox"/> B. ஒரு திடப்பொருளை சூடாக்குதல்	
	<input checked="" type="checkbox"/> C. சர்க்கரையை தண்ணீரில் கரைத்தல்	
	<input checked="" type="checkbox"/> D. ஒரு வாயுவை அழுத்துதல்	

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Q.5	What is the defining characteristic of an unsaturated carbon compound?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. It contains at least one double or triple bond between carbon atoms.</div></div> <div><div><input type="checkbox"/></div><div>B. It forms only cyclic structures.</div></div> <div><div><input type="checkbox"/></div><div>C. All carbon atoms are linked by only single bonds.</div></div> <div><div><input type="checkbox"/></div><div>D. It always contains a functional group with oxygen.</div></div>
Q.6	Which of the following is NOT true regarding the image formed by a concave lens? (i) The image formed by a concave lens cannot be obtained on a screen. (ii) The image formed by a concave lens can be obtained on a screen. (iii) The image formed is always smaller in size in comparison to the size of the object. (iv) The image formed is always bigger in size in comparison to the size of the object.
Ans	<div><div><input type="checkbox"/></div><div>A. Both (i) and (iv)</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Both (ii) and (iv)</div></div> <div><div><input type="checkbox"/></div><div>C. Both (i) and (iii)</div></div> <div><div><input type="checkbox"/></div><div>D. Both (ii) and (iii)</div></div>
Q.7	தாவர செல்களில் ஏற்படும் வீக்கம் அல்லது சுருங்கும் ( swelling or shrinking) செயல்முறையானது , வடிவம் மற்றும் இயக்கத்தில் மாற்றங்களுக்கு வழிவகுக்கிறது, இது எந்த காரணியால் நேரடியாக ஏற்படுகிறது?
Ans	<div><div><input type="checkbox"/></div><div>A. புதிய புரத அமைப்புகளின் உருவாக்கம்.</div></div> <div><div><input type="checkbox"/></div><div>B. செல்லுலோஸின் விரைவான சிதைவு</div></div> <div><div><input type="checkbox"/></div><div>C. அவற்றின் செல் சுவர்களின் இறுக்கம்.</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. அவற்றின் உட்புற நீர் அளவின் மாற்றம்.</div></div>
Q.8	Metals found at the bottom of the activity series (e.g., gold, silver, platinum) are typically found in nature in which state?
Ans	<div><div><input type="checkbox"/></div><div>A. As highly reactive oxides</div></div> <div><div><input type="checkbox"/></div><div>B. As carbonates that require roasting</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. In their free state</div></div> <div><div><input type="checkbox"/></div><div>D. As sulphides that require calcination</div></div>
Q.9	The state of a substance whether it will be solid, liquid or gas is determined by: a. Temperature b. Pressure c. Volume
Ans	<div><div><input type="checkbox"/></div><div>A. a and c only</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. a and b only</div></div> <div><div><input type="checkbox"/></div><div>C. a, b and c</div></div> <div><div><input type="checkbox"/></div><div>D. b and c only</div></div>
Q.10	When white light falls on a glass prism, out of all its constituent colours, violet colour undergoes maximum bending. Why?
Ans	<div><div><input type="checkbox"/></div><div>A. Violet has minimum wavelength and hence minimum refractive index</div></div> <div><div><input type="checkbox"/></div><div>B. Violet has maximum wavelength and hence maximum refractive index</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Violet has minimum wavelength and hence maximum refractive index</div></div> <div><div><input type="checkbox"/></div><div>D. Violet has maximum wavelength and hence minimum refractive index</div></div>
Q.11	What is the approximate pH of a salt solution formed from a strong acid and a strong base?
Ans	<div><div><input type="checkbox"/></div><div>A. Can be less than or greater than 7 depending on temperature</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Equal to 7</div></div> <div><div><input type="checkbox"/></div><div>C. Greater than 7</div></div> <div><div><input type="checkbox"/></div><div>D. Less than 7</div></div>

Q.12	பின்வரும் எடுத்துக்காட்டுகளில் எது நம் அன்றாட வாழ்க்கையில் லைசோசோம்களின் செயல்பாட்டின் பங்கை சிறப்பாக விளக்குகிறது?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. தீங்கு விளைவிக்கும் பாக்டீரியாக்களை விழுங்கி சிதைக்கும் இரத்த வெள்ளை அணு</div></div> <div><div><input type="checkbox"/></div><div>B. ஒளிச்சேர்க்கை மூலம் உணவை உருவாக்கும் பச்சை இலை</div></div> <div><div><input type="checkbox"/></div><div>C. வலியை உணர உதவும் சமிக்கையை அனுப்பும் ஒரு நரம்பு செல்</div></div> <div><div><input type="checkbox"/></div><div>D. தசைகளுக்கு ஆக்ஸிஜனை வழங்கும் ஒரு இரத்த சிவப்பணு</div></div>
Q.13	How many daughter cells are formed during binary fission?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Two</div></div> <div><div><input type="checkbox"/></div><div>B. Four</div></div> <div><div><input type="checkbox"/></div><div>C. Zero</div></div> <div><div><input type="checkbox"/></div><div>D. One</div></div>
Q.14	Which of the following is an example of potential energy?
Ans	<div><div><input type="checkbox"/></div><div>A. A flowing river</div></div> <div><div><input type="checkbox"/></div><div>B. A rolling ball</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. A book kept on a table</div></div> <div><div><input type="checkbox"/></div><div>D. A moving train</div></div>
Q.15	<p>Observe the following chemical reaction:</p> $\text{H}_2\text{S} + \text{I}_2 \rightarrow 2\text{HI} + \text{S}$ <p>Which of the following statements correctly describes this redox reaction?</p> <p><b>Statements:</b> I: Hydrogen sulphide undergoes oxidation to form sulphur. II: Iodine is reduced, producing hydrogen iodide.</p>
Ans	<div><div><input type="checkbox"/></div><div>A. Only Statement I is correct</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Both Statement I and II are correct</div></div> <div><div><input type="checkbox"/></div><div>C. Only Statement II is correct</div></div> <div><div><input type="checkbox"/></div><div>D. Both Statement I and II are incorrect</div></div>
Q.16	Newton's First Law of Motion is also called the law of:
Ans	<div><div><input type="checkbox"/></div><div>A. force</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. inertia</div></div> <div><div><input type="checkbox"/></div><div>C. acceleration</div></div> <div><div><input type="checkbox"/></div><div>D. action and reaction</div></div>
Q.17	What type of reaction occurs when barium chloride reacts with sodium sulfate?
Ans	<div><div><input type="checkbox"/></div><div>A. Oxidation</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Double displacement</div></div> <div><div><input type="checkbox"/></div><div>C. Decomposition</div></div> <div><div><input type="checkbox"/></div><div>D. Combination</div></div>
Q.18	Rutherford's $\alpha$ -particle scattering experiment led to the discovery of which of the following?
Ans	<div><div><input type="checkbox"/></div><div>A. Protons</div></div> <div><div><input type="checkbox"/></div><div>B. Electrons</div></div> <div><div><input type="checkbox"/></div><div>C. Neutrons</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. Nucleus</div></div>

Q.19	ஒரு மாணவர் மகரந்தச்சேர்க்கைக்கு முன்பு ஒரு மலரின் சூலகத்தண்டை வெட்டுகிறார். இதன் விளைவு என்னவாக இருக்கும்?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. கருவுறுதல் ஏற்படாது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. மகரந்தச்சேர்க்கை வேகமாக இருக்கும்.</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. சூல்கள் ஒரு விதையாக மாறும்.</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. மகரந்தக் குழாய் மிக விரைவாக வளரும்.</div></div>
Q.20	The resistance of a metallic conductor increases with:
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Increase in cross-sectional area</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Increase in temperature</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Decrease in temperature</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. Decrease in length</div></div>
Q.21	Which of the following increases when the amplitude of a wave increases?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Frequency</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Energy of the wave</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Wavelength</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. Speed</div></div>
Q.22	ஒரு வீட்டுவசதி சங்கம் கழிவுகளை இரண்டு குப்பைத்தொட்டிகளாகப் பிரிக்கத் தொடங்கியுள்ளது-சமையலறைக் கழிவுகளுக்கு பச்சை நிறம் மற்றும் பிளாஸ்டிக், உலோகம் மற்றும் கண்ணாடிக்கு நீல நிறமும் ஆகும் . இந்த நடைமுறையின் முக்கிய நன்மை என்ன?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. இது உற்பத்தி செய்யப்படும் கழிவுகளின் அளவை அதிகரிக்கிறது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. இது குப்பைகளின் நாற்றத்தை குறைக்கிறது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. இது கழிவு சேகரிப்பை விரைவுபடுத்துகிறது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. இது மக்கும் தன்மை கொண்ட கழிவுகளிலிருந்து மக்காத கழிவுகளை பிரிக்க உதவுகிறது.</div></div>
Q.23	நிலைமம் மற்றும் நிறைக்கு இடையிலான தொடர்பை நிரூபிக்க, ஒரு மாணவர் ஒரு கால்பந்தை உதைப்பதிலும், அதே அளவிலான கல்லை உதைப்பதிலும் உள்ள சிரமத்தை ஒப்பிடுகிறார். எந்த அடிப்படை கொள்கை கல்லை உதைப்பது தொடர்பான அதிக சிரமம் மற்றும் சாத்தியமான காயத்தை நியாயப்படுத்துகிறது?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. கல்லானது அதிக நிறையைக் கொண்டுள்ளது, இதன் விளைவாக அதிக நிலைமம் ஏற்படுகிறது, அதாவது இது அதன் ஓய்வு நிலையை மாற்றுவதற்கு பெரிய எதிர்ப்பை வழங்குகிறது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. கல்லானது முதல் இயக்க விதிக்கு உட்படுகிறது, அதே நேரத்தில் கால்பந்து இரண்டாவது விதியால் நிர்வகிக்கப்படுகிறது.</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. கல்லில் பயன்படுத்தப்படும் விசை அதன் அணுக்களை ஒன்றாக வைத்திருக்கும் மைய நோக்கு விசையை கடக்க போதுமானதாக இல்லை.</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. கல்லானது குறைந்த புறப்பரப்பு உராய்வைக் கொண்டுள்ளது, இதனால் அனைத்து விசைகளும் பரவுகின்றன.</div></div>
Q.24	What is the main function of the nucleus in an eukaryotic cell?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Digesting waste</div></div> <div><div><input checked="" type="checkbox"/></div><div>B. Acting as a storage unit for food</div></div> <div><div><input checked="" type="checkbox"/></div><div>C. Producing energy</div></div> <div><div><input checked="" type="checkbox"/></div><div>D. Directing life processes of the cell</div></div>

Q.25	பின்வரும் உறுப்புகளில் எது வளர்ச்சி ஹார்மோனை வெளியிடும் காரணியை வெளியிடுகிறது, இது வளர்ச்சி ஹார்மோனை வெளியிட பிடியூட்டரி சுரப்பியைத் தூண்டுகிறது?
Ans	<div><div><div>✖ A. கணையம்</div><div>✔ B. ஹைப்போதலாமஸ்</div><div>✖ C. அட்ரீனல் சுரப்பிகள்</div><div>✖ D. தைமஸ்</div></div></div>

Section : Mathematics

Q.26	The marked price of a wardrobe is ₹8,640, which is 35% above the cost price. It is sold at a discount of 20% on the marked price. Find the profit percentage.
Ans	<div><div><div>✖ A. 9%</div><div>✖ B. 10%</div><div>✔ C. 8%</div><div>✖ D. 6%</div></div></div>

Q.27	Chetan travels from City A to City B. If Chetan drives his car at $\frac{3}{5}$ th of his normal speed, then he reaches City B 52 minutes late. Find the time (in minutes) that Chetan would have taken to travel from City A to City B if he drove at his normal speed.
Ans	<div><div><div>✖ A. 82</div><div>✖ B. 69</div><div>✔ C. 78</div><div>✖ D. 83</div></div></div>

Q.28	A train, 1312 m long, is running at a speed of 54 m/s. If it takes 106 seconds to cross a tunnel, then find the length of the tunnel.
Ans	<div><div><div>✖ A. 4402 m</div><div>✖ B. 4413 m</div><div>✔ C. 4412 m</div><div>✖ D. 4408 m</div></div></div>

Q.29	What is the value of $\frac{5.4(0.1 \times 0.1 \times 0.1 + 0.03 \times 0.03 \times 0.03)}{(0.3 \times 0.3 \times 0.3 + 0.09 \times 0.09 \times 0.09)}$ ?
Ans	<div><div><div>✖ A. 0.5</div><div>✔ B. 0.2</div><div>✖ C. 0.4</div><div>✖ D. 0.6</div></div></div>

Q.30	Which of the following numbers is divisible by 7?
Ans	<div><div><div>✖ A. 7357306</div><div>✔ B. 7132951</div><div>✖ C. 7660778</div><div>✖ D. 6825907</div></div></div>

Q.31	Simplify $\frac{1.25^2 - 0.75^2}{2.25^2 - 1.25^2} \times \frac{7}{2}$ .
Ans	<div><div><div>✖ A. 0.25</div><div>✖ B. 2</div><div>✔ C. 1</div><div>✖ D. 0.5</div></div></div>



Q.32	The average of 6.5, 10.6, 19.7 and a is 12. The value of a is:
Ans	<div><div>✓</div>A. 11.2</div>
	<div><div>✗</div>B. 10.2</div>
	<div><div>✗</div>C. 12.2</div>
	<div><div>✗</div>D. 13.2</div>

Q.33	If $A : B = 1 : 3$ , $B : C = 4 : 3$ and $C : D = 6 : 7$ , then $A : B : C : D$ is:
Ans	<div><div>✗</div>A. 8 : 22 : 18 : 21</div>
	<div><div>✗</div>B. 6 : 24 : 18 : 21</div>
	<div><div>✓</div>C. 8 : 24 : 18 : 21</div>
	<div><div>✗</div>D. 8 : 24 : 16 : 21</div>

Q.34	Find the mode of the data 1, 11, 11, 8, 18, 8, 7, 7, 7, x, y, and 8, given that $3x + 7y = 42$ and $7x + 3y = 58$ .
Ans	<div><div>✗</div>A. 11</div>
	<div><div>✓</div>B. 7</div>
	<div><div>✗</div>C. 18</div>
	<div><div>✗</div>D. 8</div>

Q.35	The present age of a father is twice the sum of the present ages of his two sons. After 20 years, the father's age will be equal to the sum of his sons' ages. Find the present age of the father.
Ans	<div><div>✗</div>A. 42 years</div>
	<div><div>✗</div>B. 45 years</div>
	<div><div>✓</div>C. 40 years</div>
	<div><div>✗</div>D. 48 years</div>

Q.36	A sum of money is to be distributed among A, B, C and D in the ratio of 10 : 7 : 9 : 5. If C gets ₹334 more than B, then how much did A receive?
Ans	<div><div>✓</div>A. ₹1,670</div>
	<div><div>✗</div>B. ₹1,673</div>
	<div><div>✗</div>C. ₹1,671</div>
	<div><div>✗</div>D. ₹1,669</div>

Q.37	The area of a triangle is $61.5\text{ m}^2$ . If one of its sides is 12.3 m, find the length of the perpendicular dropped on that side from the opposite vertex.
Ans	<div><div>✗</div>A. 11 m</div>
	<div><div>✗</div>B. 11.5 m</div>
	<div><div>✓</div>C. 10 m</div>
	<div><div>✗</div>D. 10.5 m</div>

Q.38	P is any point inside the rectangle ABCD. If $PA = 85\text{ cm}$ , $PB = 65\text{ cm}$ and $PC = 5\text{ cm}$ , then the length of PD (in cm) is equal to:
Ans	<div><div>✓</div>A. 55</div>
	<div><div>✗</div>B. 58</div>
	<div><div>✗</div>C. 53</div>
	<div><div>✗</div>D. 51</div>

Q.39	The amount on a sum of ₹2,800 at 10% per annum compound interest, compounded annually, in 2 years will be:
Ans	<div><div><div>✖</div><div>A. ₹2,647</div></div><div><div>✖</div><div>B. ₹3,604</div></div><div><div>✖</div><div>C. ₹3,274</div></div><div><div>✔</div><div>D. ₹3,388</div></div></div>
Q.40	Sushma purchased a used car for ₹1,20,000 and spent ₹28,500 on its repairs. She then sold it to her friend Sam for ₹1,38,600. What percentage did she gain or lose? (Round off your answer to two decimal places.)
Ans	<div><div><div>✖</div><div>A. 8.67% loss</div></div><div><div>✔</div><div>B. 6.67% loss</div></div><div><div>✖</div><div>C. 5.38% gain</div></div><div><div>✖</div><div>D. 6.67% gain</div></div></div>
Q.41	A father is 5 times as old as his son. If the sum of their ages is 54 years, how old is the son?
Ans	<div><div><div>✖</div><div>A. 11 years</div></div><div><div>✖</div><div>B. 12 years</div></div><div><div>✔</div><div>C. 9 years</div></div><div><div>✖</div><div>D. 10 years</div></div></div>
Q.42	A triangle has sides of lengths 7 cm, 9 cm and 12 cm. Find its area.
Ans	<div><div><div>✖</div><div>A. <math>19\sqrt{7}\text{ cm}^2</math></div></div><div><div>✔</div><div>B. <math>14\sqrt{5}\text{ cm}^2</math></div></div><div><div>✖</div><div>C. <math>18\sqrt{13}\text{ cm}^2</math></div></div><div><div>✖</div><div>D. <math>16\sqrt{3}\text{ cm}^2</math></div></div></div>
Q.43	The price of oil is increased successively by 50% and then by 40%. What is the equivalent single percentage increase?
Ans	<div><div><div>✖</div><div>A. 90%</div></div><div><div>✖</div><div>B. 75%</div></div><div><div>✖</div><div>C. 100%</div></div><div><div>✔</div><div>D. 110%</div></div></div>
Q.44	The monthly incomes of two friends, Kiran and Mahesh, are in the ratio 5 : 8 respectively, and each of them saves ₹72,000 every month. If the ratio of their monthly expenditure is 2 : 4, find the monthly income of Kiran (in ₹).
Ans	<div><div><div>✖</div><div>A. 1,81,000</div></div><div><div>✖</div><div>B. 2,52,000</div></div><div><div>✔</div><div>C. 1,80,000</div></div><div><div>✖</div><div>D. 1,79,000</div></div></div>
Q.45	Navya and Bhavya can paint a house in 40 days and 60 days, respectively. If they work on alternate days, starting with Bhavya, in how many days can the duo complete painting that house?
Ans	<div><div><div>✖</div><div>A. 45 days</div></div><div><div>✔</div><div>B. 48 days</div></div><div><div>✖</div><div>C. 50 days</div></div><div><div>✖</div><div>D. 49 days</div></div></div>



Q.46	If $7^5 \times 7\sqrt{7} \div 7^{\frac{-5}{2}} = 7^{2x+3}$ , then the value of x is:
Ans	<input checked="" type="checkbox"/> A. 3
	<input type="checkbox"/> B. 0
	<input type="checkbox"/> C. 0.5
	<input type="checkbox"/> D. 2

Q.47	A and B working together can do a piece of work in 6 days. B alone can do the same work in 9 days. How long (in days) will A alone take to do double the work?
Ans	<input type="checkbox"/> A. 37
	<input type="checkbox"/> B. 18
	<input checked="" type="checkbox"/> C. 36
	<input type="checkbox"/> D. 39

Q.48	After selling an article at a discount of 25%, the profit percentage obtained is 2%. What is the mark-up percentage?
Ans	<input type="checkbox"/> A. 40%
	<input type="checkbox"/> B. 34%
	<input type="checkbox"/> C. 38%
	<input checked="" type="checkbox"/> D. 36%

Q.49	The cost of a washing machine is 50% less than the cost of a TV. If the cost of the washing machine increases by 33% and that of the TV decreases by 13%, then what is the percentage change in the total cost of 4 washing machines and 2 TVs?
Ans	<input type="checkbox"/> A. Increase by 9.5%
	<input type="checkbox"/> B. Decrease by 10%
	<input type="checkbox"/> C. Decrease by 7%
	<input checked="" type="checkbox"/> D. Increase by 10%

Q.50	If $5\cos A = 4$ , find the value of $\frac{3\sqrt{\operatorname{cosec}^2 A - 1}}{4\sqrt{\sec^2 A - 1}}$ .
Ans	<input type="checkbox"/> A. 1
	<input checked="" type="checkbox"/> B. $\frac{4}{3}$
	<input type="checkbox"/> C. $\frac{3}{4}$
	<input type="checkbox"/> D. $\frac{16}{9}$

Section : General Intelligence and Reasoning

Q.51	DGRZ is related to HNVG in a certain way based on the English alphabetical order. In the same way, TIHB is related to XPLI. To which of the given options is FDTW related, following the same logic?
Ans	<input type="checkbox"/> A. JXDE
	<input type="checkbox"/> B. JKXS
	<input type="checkbox"/> C. JKOP
	<input checked="" type="checkbox"/> D. JKXD

Q.52	<p>Refer to the following number series and answer the question that follows (all numbers are single-digit numbers only). Counting to be done from left to right only.</p> <p>(Left) 6 6 8 6 7 4 5 9 9 1 7 6 8 1 4 5 4 7 1 4 1 1 4 3 5 4 3 (Right)</p> <p>How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?</p>
Ans	<div><div><div>✖ A. 3</div><div>✖ B. 0</div><div>✖ C. 2</div><div>✔ D. 1</div></div></div>
Q.53	<p>In a certain code language, 'LOVE' is coded as '2436' and 'VALE' is coded as '3245'. What is the code for 'A' in the given code language?</p>
Ans	<div><div><div>✖ A. 3</div><div>✖ B. 2</div><div>✖ C. 4</div><div>✔ D. 5</div></div></div>
Q.54	<p>Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?</p> <p>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)</p>
Ans	<div><div><div>✖ A. DF – ZY</div><div>✖ B. RT – NM</div><div>✖ C. JL – FE</div><div>✔ D. EG – AB</div></div></div>
Q.55	<p>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 is the letter-cluster that does NOT belong to that group?</p> <p>(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)</p>
Ans	<div><div><div>✖ A. PNQ</div><div>✖ B. ECF</div><div>✖ C. TRU</div><div>✔ D. GFH</div></div></div>
Q.56	<p>Refer to the following number series and answer the question that follows (all numbers are single digit numbers only).</p> <p>(Left) 6 1 5 6 8 5 5 7 7 9 9 5 7 4 9 7 6 1 9 2 6 7 6 3 7 4 9 (Right)</p> <p>How many such odd numbers are there (from left to right) each of which is immediately preceded by an even number and also immediately followed by an even number?</p>
Ans	<div><div><div>✖ A. 3</div><div>✖ B. 2</div><div>✖ C. 0</div><div>✔ D. 1</div></div></div>
Q.57	<p>In a row of 50 students facing North, Shruti is 23<sup>rd</sup> from the left end. If Daksh is 17<sup>th</sup> to the right of Shruti, what is Daksh's position from the right end of the line?</p>
Ans	<div><div><div>✖ A. 12th</div><div>✔ B. 11th</div><div>✖ C. 10th</div><div>✖ D. 9th</div></div></div>

Q.58	What should come in place of the question mark (?) in the given series based on the English alphabetical order?  BLS DNU FPW HRY ?	
Ans	<div><div></div><div>A. ITB</div></div>	
	<div><div></div><div>B. JTA</div></div>	
	<div><div></div><div>C. ISZ</div></div>	
	<div><div></div><div>D. JSZ</div></div>	
Q.59	Mr. Z starts from Point A and drives 18 km towards the North. He then takes a left turn, drives 14 km, then turns left and drives 14 km. He then takes a right turn, drives 13 km, then turns left and drives 25 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 21 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-degree turns only, unless specified.)	
Ans	<div><div></div><div>A. 7 km to the west</div></div>	
	<div><div></div><div>B. 9 km to the south</div></div>	
	<div><div></div><div>C. 8 km to the east</div></div>	
	<div><div></div><div>D. 10 km to the north</div></div>	
Q.60	If 'E' stands for '+', 'F' stands for '-', 'G' stands for '×' and 'H' stands for '÷', what will come in place of question mark '?' in the following equation?  45 G 3 E 28 H 7 F 8 = ?	
Ans	<div><div></div><div>A. 133</div></div>	
	<div><div></div><div>B. 131</div></div>	
	<div><div></div><div>C. 129</div></div>	
	<div><div></div><div>D. 135</div></div>	
Q.61	If + means ÷, - means ×, × means -, and ÷ means +, then what will come in place of the question mark (?) in the following equation?  639 + 9 × 6 - 44 ÷ 279 = ?	
Ans	<div><div></div><div>A. 89</div></div>	
	<div><div></div><div>B. 81</div></div>	
	<div><div></div><div>C. 86</div></div>	
	<div><div></div><div>D. 80</div></div>	
Q.62	In a certain code language, A + B means 'A is the sister of B', A @ B means 'A is the brother of B', A - B means 'A is the wife of B', and A # B means 'A is the father of B'.  How is O related to V if 'O + P - T # G @ V'?	
Ans	<div><div></div><div>A. Sister</div></div>	
	<div><div></div><div>B. Mother</div></div>	
	<div><div></div><div>C. Mother's sister</div></div>	
	<div><div></div><div>D. Mother's mother</div></div>	
Q.63	What should come in place of the question mark (?) in the given series?  5 15 26 38 51 ?	
Ans	<div><div></div><div>A. 64</div></div>	
	<div><div></div><div>B. 65</div></div>	
	<div><div></div><div>C. 63</div></div>	
	<div><div></div><div>D. 62</div></div>	

Q.64	<p>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 conclusions logically follow(s) from the statements.</p> <p><b>Statements:</b> Some Pomegranates are Peaches. Some Peaches are Lemons. All Lemons are Figs.</p> <p><b>Conclusions:</b> (I) Some Peaches are Figs. (II) Some Pomegranates are Figs.</p>	
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Both conclusions (I) and (II) follow</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>B. Neither conclusion (I) nor (II) follows</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>C. Only conclusion (I) follows</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>D. Only conclusion (II) follows</div></div>	
Q.65	<p>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 conclusions logically follow(s) from the statements.</p> <p><b>Statements:</b> Some pipe are hose. All hose are tunnel.</p> <p><b>Conclusions:</b> (I) Some pipe are tunnel. (II) All tunnel are hose.</p>	
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Only conclusion (II) follows</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>B. Both conclusions (I) and (II) follow</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>C. Neither conclusion (I) nor (II) follows</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>D. Only conclusion (I) follows</div></div>	
Q.66	<p>Select the set in which the numbers are related in the same way as are the numbers of the following 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)</p> <p>(59, 71, 55) (85, 97, 81)</p>	
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. (121, 133, 116)</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>B. (99, 111, 95)</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>C. (117, 129, 114)</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>D. (78, 90, 76)</div></div>	
Q.67	<p>P, Q, R, S, T and U are sitting around a circular table facing the centre. U sits second to the right of R. Q sits second to the left of S. P is on the immediate left of Q. Who is sitting on the immediate left of T?</p>	
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Q</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>B. U</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>C. S</div></div>	
	<div><div><input checked="" type="checkbox"/></div><div>D. R</div></div>	

Q.68	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers.  (Left) % € € % 6 £ 3 & 1 £ 4 5 7 2 2 & & 9 & 8 8 * (Right)  How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by a number?
Ans	<div><div>✗ A. 6</div><div>✗ B. 3</div><div>✗ C. 5</div><div>✓ D. 4</div></div>
Q.69	What should come in place of the question mark (?) in the given series?  747 740 732 723 713 ?
Ans	<div><div>✗ A. 703</div><div>✗ B. 701</div><div>✗ C. 704</div><div>✓ D. 702</div></div>
Q.70	What should come in place of the question mark (?) in the given series?  29 49 69 89 109 ?
Ans	<div><div>✗ A. 119</div><div>✗ B. 121</div><div>✓ C. 129</div><div>✗ D. 131</div></div>
Q.71	Refer to the following series and answer the question (all numbers are single digit numbers only). Counting to be done from left to right only. (Left) 8 7 1 1 7 8 2 9 6 7 4 7 8 8 9 3 3 2 8 7 9 8 (Right) How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by an even digit?
Ans	<div><div>✗ A. 1</div><div>✗ B. 2</div><div>✗ C. 4</div><div>✓ D. 3</div></div>
Q.72	A, B, C, D, E and F are sitting around a circular table facing the centre. D sits second to the left of B. E sits second to the right of F. C is on the immediate right of D. Who is sitting on the immediate left of A?
Ans	<div><div>✓ A. F</div><div>✗ B. E</div><div>✗ C. B</div><div>✗ D. C</div></div>
Q.73	In a certain code language, 'pig issue nod' is coded as 'cd hx gj' and 'love nod news' is coded as 'vn va hx'. How is 'nod' coded in the given language?
Ans	<div><div>✓ A. hx</div><div>✗ B. cd</div><div>✗ C. gi</div><div>✗ D. vn</div></div>

Q.74	Karan starts from Point A and drives 12 km towards the North. He then takes a right turn, drives 6 km, then turns right and drives 16 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 4 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-degree turns only, unless specified.)
Ans	<div><div><div></div><div>A. 2 km to the west</div></div><div><div></div><div>B. 3 km to the west</div></div><div><div></div><div>C. 2 km to the east</div></div><div><div></div><div>D. 3 km to the east</div></div></div>
Q.75	D, E, F, G, L, M and N are sitting in a straight line, facing north. Only two people sit to the right of D. Only two people sit between D and G. Only two people sit between E and F. F sits to the immediate left of D. N sits to the immediate right of M. Who sits at the third position from the left end of the line?
Ans	<div><div><div></div><div>A. M</div></div><div><div></div><div>B. L</div></div><div><div></div><div>C. D</div></div><div><div></div><div>D. G</div></div></div>
Q.76	Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  BTM 25   DVO 27   FXQ 29   HZS 31   ?
Ans	<div><div><div></div><div>A. JBU 33</div></div><div><div></div><div>B. KDV 33</div></div><div><div></div><div>C. KCV 33</div></div><div><div></div><div>D. LBU 33</div></div></div>
Q.77	In a row of 47 students facing north, Neha is 21 <sup>st</sup> from the right end. If Kinjal is 8 <sup>th</sup> to the left of Neha, what is Kinjal's position from the left end of the line?
Ans	<div><div><div></div><div>A. 19th</div></div><div><div></div><div>B. 18th</div></div><div><div></div><div>C. 20th</div></div><div><div></div><div>D. 17th</div></div></div>
Q.78	NJOM is related to TPUS in a certain way based on the English alphabetical order. In the same way, PLQO is related to VRWU. To which of the following is RNSQ related, following the same logic?
Ans	<div><div><div></div><div>A. TXYW</div></div><div><div></div><div>B. XTWY</div></div><div><div></div><div>C. TXWY</div></div><div><div></div><div>D. XTYW</div></div></div>
Q.79	Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.  RK-NH-LO TM-PJ-NQ
Ans	<div><div><div></div><div>A. WO-SL-PT</div></div><div><div></div><div>B. VO-RL-PS</div></div><div><div></div><div>C. WO-RL-PT</div></div><div><div></div><div>D. VO-RL-PT</div></div></div>

Q.80	If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of question mark '?' in the following equation?  29 B 6 C 243 A 9 D 33 = ?
Ans	<div><div><div>✖</div><div>A. 171</div></div><div><div>✔</div><div>B. 168</div></div><div><div>✖</div><div>C. 166</div></div><div><div>✖</div><div>D. 173</div></div></div>

Section : General Awareness and Current Affairs

Q.81	The 51 <sup>st</sup> G7 summit was held in which of the following countries in June 2025?
Ans	<div><div><div>✖</div><div>A. India</div></div><div><div>✖</div><div>B. Abu Dhabi</div></div><div><div>✖</div><div>C. Germany</div></div><div><div>✔</div><div>D. Canada</div></div></div>

Q.82	As per the Sustainable Development Goals – National Indicator Framework Progress Report, 2025, published in June 2025, India's installed renewable energy capacity rose from 64.04 watts per capita in 2014–15 to 156.31 watts per capita in 2024–25. This growth primarily supports which Sustainable Development Goal (SDG)?
Ans	<div><div><div>✖</div><div>A. SDG 9</div></div><div><div>✖</div><div>B. SDG 12</div></div><div><div>✖</div><div>C. SDG 13</div></div><div><div>✔</div><div>D. SDG 7</div></div></div>

Q.83	Which of the following airlines hosted the Power Creator Awards 2025?
Ans	<div><div><div>✖</div><div>A. Vistara</div></div><div><div>✖</div><div>B. SpiceJet</div></div><div><div>✔</div><div>C. Air India</div></div><div><div>✖</div><div>D. IndiGo</div></div></div>

Q.84	Which student activist became the first SFI member to be elected sarpanch in Gujarat in June 2025?
Ans	<div><div><div>✖</div><div>A. Ashish Rabari</div></div><div><div>✖</div><div>B. Aayush Khatkar</div></div><div><div>✖</div><div>C. Monika Gusain</div></div><div><div>✔</div><div>D. Satyesha Leuva</div></div></div>

Q.85	Who among the following did Madison Keys defeat in the Australian Open 2025 final?
Ans	<div><div><div>✔</div><div>A. Aryna Sabalenka</div></div><div><div>✖</div><div>B. Elena Rybakina</div></div><div><div>✖</div><div>C. Ons Jabeur</div></div><div><div>✖</div><div>D. Naomi Osaka</div></div></div>

Q.86	What was India's overall score in the Corruption Perceptions Index (CPI) for the year 2024 released in February 2025?
Ans	<div><div><div>✖</div><div>A. 41</div></div><div><div>✔</div><div>B. 38</div></div><div><div>✖</div><div>C. 43</div></div><div><div>✖</div><div>D. 36</div></div></div>



Q.87	When was the first Surya VHF radar reportedly handed over to the Indian Air Force?	
Ans	<div><div>✓</div>A. March 2025</div>	
	<div><div>✗</div>B. February 2025</div>	
	<div><div>✗</div>C. April 2025</div>	
	<div><div>✗</div>D. January 2025</div>	
Q.88	What is the full form of RIMES, an intergovernmental body in news in 2025?	
Ans	<div><div>✗</div>A. Regional Institute for Meteorological and Environmental Studies</div>	
	<div><div>✗</div>B. Risk Information and Monitoring of Emergency Situations</div>	
	<div><div>✓</div>C. Regional Integrated Multi-Hazard Early Warning System</div>	
	<div><div>✗</div>D. Research Initiative for Mitigating Environmental Shocks</div>	
Q.89	Where was the first-ever national conference of Urban Local Body Chairpersons across Indian States and UTs inaugurated by the Lok Sabha Speaker Shri Om Birla in July 2025?	
Ans	<div><div>✓</div>A. Gurugram</div>	
	<div><div>✗</div>B. Noida</div>	
	<div><div>✗</div>C. Ahmedabad</div>	
	<div><div>✗</div>D. Chandigarh</div>	
Q.90	As per the June 2025 India Child Protection report, what percentage of 44,902 rescued children were found in the worst forms of child labour?	
Ans	<div><div>✗</div>A. 75%</div>	
	<div><div>✗</div>B. 50%</div>	
	<div><div>✓</div>C. 90%</div>	
	<div><div>✗</div>D. 60%</div>	
Q.91	Which of the following insurance companies announced the adoption of the revised GST structure on all insurance products from 22 September 2025?	
Ans	<div><div>✓</div>A. HDFC Life Insurance Co. Ltd.</div>	
	<div><div>✗</div>B. ICICI Prudential Life Insurance Co. Ltd.</div>	
	<div><div>✗</div>C. Sahara India Life Insurance Co. Ltd.</div>	
	<div><div>✗</div>D. Kotak Life Insurance Co. Ltd.</div>	
Q.92	From 1 May 2025, which of the following portals did the Reserve Bank of India (RBI) mandate stakeholders to use?	
Ans	<div><div>✓</div>A. PRAVAAH Portal</div>	
	<div><div>✗</div>B. SEVA Portal</div>	
	<div><div>✗</div>C. SAKSHAM Portal</div>	
	<div><div>✗</div>D. VITARAN Portal</div>	
Q.93	Which of the following coaches received the Dronacharya Award for para-shooting in 2025?	
Ans	<div><div>✗</div>A. Deepali Deshpande</div>	
	<div><div>✗</div>B. S Muralidharan</div>	
	<div><div>✓</div>C. Subhash Rana</div>	
	<div><div>✗</div>D. Sandeep Sangwan</div>	

Q.94	On 16 July 2025, India achieved a major milestone by successfully destroying two aerial high-speed unmanned targets at high altitude in Ladakh using the upgraded variant of the Akash Weapon System for the Indian Army called _____.
Ans	<div><div><div>✖</div><div>A. Pinaka</div></div><div><div>✖</div><div>B. BrahMos</div></div><div><div>✖</div><div>C. Akash Advanced</div></div><div><div>✔</div><div>D. Akash Prime</div></div></div>
Q.95	Who earned the 'Game Changer' award at the Women's Football Awards, 2025?
Ans	<div><div><div>✖</div><div>A. Viviane Asseyi</div></div><div><div>✔</div><div>B. Anita Asante</div></div><div><div>✖</div><div>C. Bethany England</div></div><div><div>✖</div><div>D. Keira Walsh</div></div></div>
Q.96	Who authored the book 'To the Seventh Generation: The Journey of Christian Medical College Vellore', released in January 2025?
Ans	<div><div><div>✖</div><div>A. Dr. Devi Shetty</div></div><div><div>✖</div><div>B. Prof. Romila Thapar</div></div><div><div>✖</div><div>C. Dr. Atul Gawande</div></div><div><div>✔</div><div>D. Dr. V I Mathan</div></div></div>
Q.97	Where was the first-ever International Big Cat Alliance (IBCA) Assembly held in India in June 2025?
Ans	<div><div><div>✔</div><div>A. New Delhi</div></div><div><div>✖</div><div>B. Pune</div></div><div><div>✖</div><div>C. Bhopal</div></div><div><div>✖</div><div>D. Panaji</div></div></div>
Q.98	In May 2025, which state/union territory government approved five cloud-seeding trials at an outlay of ₹3.21 crore to combat air pollution?
Ans	<div><div><div>✖</div><div>A. Karnataka</div></div><div><div>✔</div><div>B. Delhi</div></div><div><div>✖</div><div>C. Punjab</div></div><div><div>✖</div><div>D. West Bengal</div></div></div>
Q.99	Which scheme's Deep Tech vertical had launched nine projects by mid-2025, with industries collaborating through DRDO's Industry-Academia Centres of Excellence?
Ans	<div><div><div>✖</div><div>A. ADITI Scheme</div></div><div><div>✔</div><div>B. Technology Development Fund (TDF)</div></div><div><div>✖</div><div>C. iDEX (Innovations for Defence Excellence)</div></div><div><div>✖</div><div>D. Defence Testing Infrastructure Scheme (DTIS)</div></div></div>
Q.100	Which cricketer was honoured with Padma Shri in 2025?
Ans	<div><div><div>✔</div><div>A. Ravichandran Ashwin</div></div><div><div>✖</div><div>B. Jasprit Bumrah</div></div><div><div>✖</div><div>C. Virat Kohli</div></div><div><div>✖</div><div>D. Rohit Sharma</div></div></div>