



**\* 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.

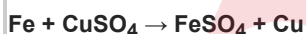
Q.1	Why are ultrasounds preferred for cleaning objects with complex shapes?
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Ans	<input type="checkbox"/> A. They increase temperature of solution
	<input type="checkbox"/> B. They produce magnetic effect
	<input type="checkbox"/> C. They have very high speed in liquids
	<input checked="" type="checkbox"/> D. Their high frequency dislodges dirt particles

**Q.2** When light enters a glass prism from air at the first refracting surface, the light ray \_\_\_\_\_.

Ans	<input type="radio"/> A. Undergoes total internal reflection.
	<input checked="" type="radio"/> B. Bends towards the normal, as it enters a denser medium
	<input type="radio"/> C. Bends away from the normal, increasing the angle of incidence
	<input type="radio"/> D. Passes straight through without bending

**Q.3** In the following reaction, what colour change is observed?



<b>Ans</b>	 A. Red to green
	 B. Blue to red
	 C. Blue to green
	 D. Green to blue

**Q.4** The ability of gases to be compressed easily is due to:

Ans	✓ A. large spaces between particles
	✗ B. lack of particles
	✗ C. strong forces between particles
	✗ D. high mass of particles

**Q.5** Which of the following best describes the key feature of the velocity–time graph for an object moving with uniform velocity?

Ans	<input checked="" type="checkbox"/> A. It is a straight line parallel to the time axis. <input type="checkbox"/> B. It is a curved line. <input type="checkbox"/> C. It is a straight line parallel to the velocity axis. <input type="checkbox"/> D. It is a straight line inclined to the time axis.
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Q.6	The formula for acceleration due to gravity (g) at the surface of the Earth is _____.
Ans	<div><div>✓</div>A. <math>g=GM/R^2</math></div>
	<div><div>✗</div>B. <math>g=R^2/GM</math></div>
	<div><div>✗</div>C. <math>g=G/MR^2</math></div>
	<div><div>✗</div>D. <math>g=GM/R</math></div>

Q.7	What is the electronic configuration of oxygen (Atomic number = 8)?
Ans	<div><div>✗</div>A. 4, 4</div>
	<div><div>✗</div>B. 2, 4, 6</div>
	<div><div>✓</div>C. 2, 6</div>
	<div><div>✗</div>D. 2, 8</div>

Q.8	Which of the following methods is NOT used for the ore enrichment?
Ans	<div><div>✗</div>A. Leaching</div>
	<div><div>✗</div>B. Froth floatation</div>
	<div><div>✓</div>C. Dredging</div>
	<div><div>✗</div>D. Hydraulic washing</div>

Q.9	What type of reaction is $\text{CaO} + \text{H}_2\text{O} \rightarrow \text{Ca(OH)}_2$ ?
Ans	<div><div>✓</div>A. Combination</div>
	<div><div>✗</div>B. Decomposition</div>
	<div><div>✗</div>C. Displacement</div>
	<div><div>✗</div>D. Neutralisation</div>

Q.10	What is the role of the prostate gland and seminal vesicles in the human male reproductive system?
Ans	<div><div>✓</div>A. To provide fluids for transporting sperm</div>
	<div><div>✗</div>B. To produce sperm cells</div>
	<div><div>✗</div>C. To lower the temperature of the testes</div>
	<div><div>✗</div>D. To secrete testosterone</div>

Q.11	If a man of mass 75 kg climbs an 8 m staircase in 25 s, taking $g = 10 \text{ m/s}^2$ , his average power is _____.
Ans	<div><div>✗</div>A. 120 W</div>
	<div><div>✗</div>B. 150 W</div>
	<div><div>✓</div>C. 240 W</div>
	<div><div>✗</div>D. 24 W</div>

Q.12	What is the meaning of ‘Different parts of the human body perform different functions’?
Ans	<div><div>✓</div>A. Presence of division of labour</div>
	<div><div>✗</div>B. All cells perform same function</div>
	<div><div>✗</div>C. Different cells perform same function</div>
	<div><div>✗</div>D. Absence of division of labour</div>

Q.13	Which of the following organisms reproduces by binary fission?
Ans	<div><div>✗</div>A. Planaria</div>
	<div><div>✗</div>B. Spirogyra</div>
	<div><div>✗</div>C. Hydra</div>
	<div><div>✓</div>D. Amoeba</div>

Q.14	Small changes in DNA copies during reproduction are important because they _____.
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. prevent fertilisation from happening</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. provide variations which may help in survival</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. always cause harmful effects</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. stop reproduction in the next generation</div></div>

Q.15	Which of the following statements is INCORRECT regarding the shape and function of different cell types?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Nerve cells are long and branched to carry messages across the body.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. Red blood cells are biconcave to increase oxygen-carrying capacity.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. White blood cells can change shape to move through tissues.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. Muscle cells are flat and circular to help them flow in blood.</div></div>

Q.16	When barium chloride reacts with aluminium sulphate, it gives aluminium chloride along with:
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. a white colour precipitate of barium sulphate</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. a white colour precipitate of barium chloride</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. a yellow colour precipitate of barium sulphate</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. a white colour precipitate of barium oxide</div></div>

Q.17	Why do we need to conserve coal and petroleum?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. They are unlimited resources.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. They are non-renewable sources of energy.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. They are formed every day in factories.</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. They are renewable sources of energy.</div></div>

Q.18	The absolute refractive index of a medium is defined as the ratio of _____.
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. speed of light in vacuum to speed of light in medium</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. speed of light in water to speed of light in medium</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. speed of light in medium to speed of light in vacuum</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. speed of light in glass to speed of light in water</div></div>

Q.19	A government scheme promotes the rearing of fish in artificially controlled freshwater ponds. What is this type of fishing called?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Saltwater fishing</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. Capture fishing</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. Marine fishing</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. Culture fishing</div></div>

Q.20	A boy is running in a circular track of radius 10 m. He completes one circle in 1 minute. What is his average speed?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. 0 m/s</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. 1.04 m/s</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. 5.2 m/s</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>D. 10.4 m/s</div></div>

Q.21	Which of the following cell organelles is filled with digestive enzymes and helps to keep the cell clean by digesting any foreign material as well as worn out cell organelles?
Ans	<input checked="" type="checkbox"/> A. Chloroplast
	<input checked="" type="checkbox"/> B. Lysosomes
	<input checked="" type="checkbox"/> C. Chromoplast
	<input checked="" type="checkbox"/> D. Ribosome

Q.22	How many atoms are there in a molecule of water?
Ans	<input checked="" type="checkbox"/> A. 4
	<input checked="" type="checkbox"/> B. 3
	<input checked="" type="checkbox"/> C. 2
	<input checked="" type="checkbox"/> D. 1

Q.23	Isobars are atoms having the same:
Ans	<input checked="" type="checkbox"/> A. atomic number and mass
	<input checked="" type="checkbox"/> B. mass number, different elements
	<input checked="" type="checkbox"/> C. number of neutrons only
	<input checked="" type="checkbox"/> D. number of electrons only

Q.24	A voltmeter is always connected in a circuit:
Ans	<input checked="" type="checkbox"/> A. in diagonal
	<input checked="" type="checkbox"/> B. in parallel
	<input checked="" type="checkbox"/> C. in series
	<input checked="" type="checkbox"/> D. in place of a switch

Q.25	According to Joule’s law of heating, the heat produced (H) is directly proportional to which of the following?
Ans	<input checked="" type="checkbox"/> A. The current (I)
	<input checked="" type="checkbox"/> B. The square of the current (I <sup>2</sup> )
	<input checked="" type="checkbox"/> C. The square of the time (t <sup>2</sup> )
	<input checked="" type="checkbox"/> D. The square of the resistance (R <sup>2</sup> )

Section : Mathematics

Q.26	Two cars start from the same point and travel in opposite directions. If one car travels at 60 km/hr and the other at 75 km/hr, how far apart will they be after 3 hours?
Ans	<input checked="" type="checkbox"/> A. 395 km
	<input checked="" type="checkbox"/> B. 425 km
	<input checked="" type="checkbox"/> C. 445 km
	<input checked="" type="checkbox"/> D. 405 km

Q.27	$\frac{1}{20}$ is what percentage of $\frac{9}{100}$ ? (Round off to two decimal places)
Ans	<input checked="" type="checkbox"/> A. 55.56%
	<input checked="" type="checkbox"/> B. 111.11%
	<input checked="" type="checkbox"/> C. 70.55%
	<input checked="" type="checkbox"/> D. 65.55%

Q.28	The total surface area of a right circular cylinder with radius of the base 12 cm and height 72 cm is:  (take $\pi = 22/7$ )	
Ans	<div><div><div>✖</div><div>A. 528 cm<sup>2</sup></div></div><div><div>✖</div><div>B. 905 cm<sup>2</sup></div></div><div><div>✔</div><div>C. 6336 cm<sup>2</sup></div></div><div><div>✖</div><div>D. 5430 cm<sup>2</sup></div></div></div>	
Q.29	If $x^2 + \frac{1}{x^2} = 47$ , then a possible value of $(x + \frac{1}{x})$ is:	
Ans	<div><div>✔</div><div>A. 7</div></div> <div><div>✖</div><div>B. 6</div></div> <div><div>✖</div><div>C. 9</div></div> <div><div>✖</div><div>D. 8</div></div>	
Q.30	A dealer purchased a microwave for ₹57,000. He allows a discount of 64% on its marked price and still gains 38%. Find the marked price of the microwave.	
Ans	<div><div>✖</div><div>A. ₹2,18,514</div></div> <div><div>✖</div><div>B. ₹2,18,310</div></div> <div><div>✖</div><div>C. ₹2,18,398</div></div> <div><div>✔</div><div>D. ₹2,18,500</div></div>	
Q.31	If a X m long train running at a speed of 41 m/sec crosses a railway platform in 34 sec. Find the value of X, if the length of the railway platform is 301 m.	
Ans	<div><div>✔</div><div>A. 1093</div></div> <div><div>✖</div><div>B. 1090</div></div> <div><div>✖</div><div>C. 1088</div></div> <div><div>✖</div><div>D. 1089</div></div>	
Q.32	The arithmetic mean of the observations 90, 94, 44, 97, 46, 72, 62, 44 and 54 is:	
Ans	<div><div>✖</div><div>A. 72</div></div> <div><div>✔</div><div>B. 67</div></div> <div><div>✖</div><div>C. 57</div></div> <div><div>✖</div><div>D. 71</div></div>	
Q.33	The average age of a father and his daughter is 27 years. The ratio of their ages 4 years hence from now, will be 23 : 8. Find the daughter's present age (in years).	
Ans	<div><div>✖</div><div>A. 20</div></div> <div><div>✔</div><div>B. 12</div></div> <div><div>✖</div><div>C. 16</div></div> <div><div>✖</div><div>D. 15</div></div>	
Q.34	A, B and C can do a piece of work in 2, 6 and 3 days, respectively. How long (in days) will they take to do thrice the same work, working together?	
Ans	<div><div>✖</div><div>A. 9</div></div> <div><div>✔</div><div>B. 3</div></div> <div><div>✖</div><div>C. 4</div></div> <div><div>✖</div><div>D. 6</div></div>	

Q.35	If $\left(8.5 \div 0.25 + \frac{26}{3} \div \frac{1}{3}\right)$ of $\frac{3}{50} = 0.01$ of P, then the value of P is:
Ans	<div><div>✓ A. 360</div><div>✗ B. 348</div><div>✗ C. 340</div><div>✗ D. 354</div></div>
Q.36	If 60% of 20% of $\frac{2}{6}$ of a number is 343, find the number.
Ans	<div><div>✗ A. 11400</div><div>✗ B. 11240</div><div>✓ C. 8575</div><div>✗ D. 10610</div></div>
Q.37	The fourth proportional to 12, a, and 6a is 50. What is the positive value of 'a'?
Ans	<div><div>✗ A. 8</div><div>✗ B. 13</div><div>✗ C. 12</div><div>✓ D. 10</div></div>
Q.38	A camp has provisions for 55 persons for 14 days. In how many days will the same provisions finish off, if the strength of the camp is increased to 70 persons?
Ans	<div><div>✗ A. 10</div><div>✓ B. 11</div><div>✗ C. 14</div><div>✗ D. 9</div></div>
Q.39	The sum of two consecutive numbers is 51. What are the numbers?
Ans	<div><div>✗ A. 24, 25</div><div>✗ B. 27, 28</div><div>✓ C. 25, 26</div><div>✗ D. 26, 27</div></div>
Q.40	The cost price of a box of pen is ₹5,400. The shopkeeper gives a 62% discount on the cost price. What will be the selling price (in ₹)?
Ans	<div><div>✗ A. 2,138</div><div>✓ B. 2,052</div><div>✗ C. 2,095</div><div>✗ D. 1,986</div></div>
Q.41	₹3,246 is divided among A, B, C and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 4 : 5, 4 : 5, and 6 : 7, respectively. The share of A (in ₹) is:
Ans	<div><div>✗ A. 532</div><div>✗ B. 612</div><div>✓ C. 576</div><div>✗ D. 508</div></div>

Q.42	Pipe A can fill a tank in 32 minutes and pipe B can empty it in 48 minutes. If both the pipes are opened together, after how many minutes should pipe B be closed, so that the tank is filled in 60 minutes?
Ans	<div><div><div>✗ A. 40</div><div>✗ B. 48</div><div>✗ C. 36</div><div>✓ D. 42</div></div></div>
Q.43	Find the simplified value of the following expression. $(3^4 \times 3^{-2}) \div (3^3 \times 3^{-5}) \times (3^6)^{-1}$
Ans	<div><div><div>✓ A. <math>\frac{1}{9}</math></div><div>✗ B. <math>\frac{1}{81}</math></div><div>✗ C. <math>\frac{1}{27}</math></div><div>✗ D. <math>\frac{1}{3}</math></div></div></div>
Q.44	Two banks, A and B, offered loans at 3.5% and 7% per annum, respectively. Ashish borrowed an amount of ₹4,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 4 years.
Ans	<div><div><div>✓ A. 61,600</div><div>✗ B. 63,100</div><div>✗ C. 61,100</div><div>✗ D. 62,600</div></div></div>
Q.45	If mean is 35 and median is 33.5, then the value of mode is:
Ans	<div><div><div>✓ A. 30.5</div><div>✗ B. 31</div><div>✗ C. 31.5</div><div>✗ D. 32</div></div></div>
Q.46	In a right-angle triangle ABC, right angled at B, AB = 8 cm. A line AO is drawn which meets BC at O such that AO = OC = 10 cm. Find the area of triangle ABC.
Ans	<div><div><div>✗ A. 36 cm<sup>2</sup></div><div>✓ B. 64 cm<sup>2</sup></div><div>✗ C. 40 cm<sup>2</sup></div><div>✗ D. 50 cm<sup>2</sup></div></div></div>
Q.47	The income of Raman is ₹70,000. He saves 26% of his income. If his income increases by 32% and expenditure increases by 45%, then his savings will:
Ans	<div><div><div>✗ A. increase by ₹913</div><div>✗ B. decrease by ₹908</div><div>✓ C. decrease by ₹910</div><div>✗ D. increase by ₹909</div></div></div>



Q.48	A ladder makes an angle of $60^\circ$ with the ground when placed against a wall. If the foot of the ladder is 2 m away from the wall, the length of the ladder is:
Ans	<div><div><div><div><div></div><div></div></div><div>A. 6 m</div></div></div><div><div><div></div><div></div></div><div>B. <math>2\sqrt{3}</math> m</div></div></div> <div><div><div></div><div></div></div><div>C. <math>3\sqrt{2}</math> m</div></div>

D. 4 m

Section : General Intelligence and Reasoning

Q.51	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 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 position in the letter-cluster.)
Ans	<div><div><div><div><div></div><div></div></div><div>A. PN – WB</div></div></div><div><div><div></div><div></div></div><div>B. VS – CH</div></div></div> <div><div><div></div><div></div></div><div>C. SP – ZE</div></div>

D. HE – OT

Q.53	<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 conclusion(s) logically follow(s) from the statements.</p> <p><b>Statements:</b> Some camels are boats. Some boats are stars.</p> <p>Conclusion (I): Some camels are stars. Conclusion (II): Some boats are camels.</p>	
Ans	<div><div>✓</div><div>A. Only conclusion (II) follows.</div></div>	
	<div><div>✗</div><div>B. Neither conclusion (I) nor (II) follows.</div></div>	
	<div><div>✗</div><div>C. Only conclusion (I) follows.</div></div>	
	<div><div>✗</div><div>D. Both conclusions (I) and (II) follow.</div></div>	

Q.54	<p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>SWE ZDL GKS NRZ ?</p>	
Ans	<div><div>✗</div><div>A. UGI</div></div>	
	<div><div>✗</div><div>B. UGY</div></div>	
	<div><div>✓</div><div>C. UYG</div></div>	
	<div><div>✗</div><div>D. UIG</div></div>	

Q.55	<p>Seven boxes, B, D, E, P, S, T and W, are kept one over the other but not necessarily in the same order. Only two boxes are kept below B. Only one box is kept above W. Only one box is kept between W and E. T is kept immediately above S. P is kept at some place below D. How many boxes are kept between D and T?</p>	
Ans	<div><div>✗</div><div>A. One</div></div>	
	<div><div>✗</div><div>B. Three</div></div>	
	<div><div>✗</div><div>C. Two</div></div>	
	<div><div>✓</div><div>D. Four</div></div>	

Q.56	<p>Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?</p> <p>ICG23 JDH31 KEI39 LFJ47 ?</p>	
Ans	<div><div>✗</div><div>A. MGL56</div></div>	
	<div><div>✓</div><div>B. MGK55</div></div>	
	<div><div>✗</div><div>C. MGL55</div></div>	
	<div><div>✗</div><div>D. MGK56</div></div>	

Q.57	<p>Six people, D, E, F, G, H and I, are sitting in a row facing north. Only two people sit to the left of I. D sits third to the right of I. H is an immediate neighbour of both F and D. E sits to the immediate right of G. Three of the following four are alike in a certain way based on the given arrangement and thus form a group. Which one DOES NOT belong to that group?</p>	
Ans	<div><div>✓</div><div>A. ED</div></div>	
	<div><div>✗</div><div>B. FH</div></div>	
	<div><div>✗</div><div>C. IF</div></div>	
	<div><div>✗</div><div>D. EI</div></div>	

Q.58	<p>Read the given statement(s) 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 statement(s).</p> <p><b>Statements:</b> All cups are glasses. All glasses are tiles.</p> <p><b>Conclusions:</b> (I) Some tiles are glasses. (II) All cups are tiles</p>
Ans	<div><div><div></div></div><div>A. Only conclusion (I) follows.</div></div>
	<div><div><div></div></div><div>B. Neither conclusion (I) nor (II) follows.</div></div>
	<div><div><div></div></div><div>C. Only conclusion (II) follows.</div></div>
	<div><div><div></div></div><div>D. Both conclusions (I) and (II) follow,</div></div>
Q.59	<p>Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.</p> <p>UN-RK-OQ SL-PI-MO</p>
Ans	<div><div><div></div></div><div>A. QJ-NG-KM</div></div>
	<div><div><div></div></div><div>B. RJ-NH-KL</div></div>
	<div><div><div></div></div><div>C. QJ-NG-KL</div></div>
	<div><div><div></div></div><div>D. RJ-NG-KL</div></div>
Q.60	<p>In a certain code language, 'may i sit' is coded as 'pt sq ac' and 'please sit here' is coded as 'pt hm rf'. How is 'sit' coded in that language?</p>
Ans	<div><div><div></div></div><div>A. hm</div></div>
	<div><div><div></div></div><div>B. sq</div></div>
	<div><div><div></div></div><div>C. rf</div></div>
	<div><div><div></div></div><div>D. pt</div></div>
Q.61	<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 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.)</p>
Ans	<div><div><div></div></div><div>A. VZU</div></div>
	<div><div><div></div></div><div>B. SVR</div></div>
	<div><div><div></div></div><div>C. YBX</div></div>
	<div><div><div></div></div><div>D. RUQ</div></div>
Q.62	<p>Monit starts from point A and drives 43 km towards north. He then takes a left turn, drives 54 km, turns left and drives 58 km. He then takes a left turn and drives 67 km. He takes a final left turn, drives 15 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?</p> <p>(Note: All turns are 90° turns only unless specified.)</p>
Ans	<div><div><div></div></div><div>A. 13 km to the west</div></div>
	<div><div><div></div></div><div>B. 12 km to the west</div></div>
	<div><div><div></div></div><div>C. 11 km to the east</div></div>
	<div><div><div></div></div><div>D. 10 km to the east</div></div>

Q.63	What should come in place of the question mark (?) in the given series?  617 627 635 641 645 ?
Ans	<div><div><div>✖</div><div>A. 641</div></div><div><div>✖</div><div>B. 643</div></div><div><div>✔</div><div>C. 647</div></div><div><div>✖</div><div>D. 644</div></div></div>
Q.64	If '+' means '-', '-' means 'x', 'x' means '÷' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?  $112 \times 4 \div 8 - 2 + 23 = ?$
Ans	<div><div><div>✖</div><div>A. 26</div></div><div><div>✔</div><div>B. 21</div></div><div><div>✖</div><div>C. 18</div></div><div><div>✖</div><div>D. 13</div></div></div>
Q.65	Each of the digits in the number 7214365 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?
Ans	<div><div><div>✖</div><div>A. One</div></div><div><div>✖</div><div>B. Two</div></div><div><div>✖</div><div>C. None</div></div><div><div>✔</div><div>D. Three</div></div></div>
Q.66	Refer to the given number series and answer the question that follows. (All numbers are single-digit numbers only.) (Counting to be done from left to right only.) (Left) 1 8 9 1 3 8 3 8 9 9 5 9 6 5 5 1 7 7 4 2 3 1 6 (Right) How many such even numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?
Ans	<div><div><div>✖</div><div>A. Two</div></div><div><div>✖</div><div>B. Three</div></div><div><div>✔</div><div>C. None</div></div><div><div>✖</div><div>D. One</div></div></div>
Q.67	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.  (Left) 8 5 1 7 3 5 2 8 7 6 9 8 (Right)  How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?
Ans	<div><div><div>✖</div><div>A. Two</div></div><div><div>✔</div><div>B. One</div></div><div><div>✖</div><div>C. Three</div></div><div><div>✖</div><div>D. Four</div></div></div>
Q.68	In a row of 39 people facing north, Vandana is 16 <sup>th</sup> from the left end. If Nayana sits 7 <sup>th</sup> to the right of Vandana, then what is Nayana's position from the right end of the row?
Ans	<div><div><div>✔</div><div>A. 17<sup>th</sup></div></div><div><div>✖</div><div>B. 16<sup>th</sup></div></div><div><div>✖</div><div>C. 13<sup>th</sup></div></div><div><div>✖</div><div>D. 15<sup>th</sup></div></div></div>

Q.69	<p>In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.</p> <p>WASP - WPSA - PSAW GUTS - GSTU - STUG</p>
Ans	<div><div>✗ A. POND - PNOD - DNOP</div><div>✓ B. NICE - NECI - ECIN</div><div>✗ C. GROW - GRWO - ROWG</div><div>✗ D. HUGE - UHGE - EUGH</div></div>
Q.70	<p>What should come in place of the question mark (?) in the given series?</p> <p>612 610 606 600 592 ?</p>
Ans	<div><div>✓ A. 582</div><div>✗ B. 584</div><div>✗ C. 581</div><div>✗ D. 591</div></div>
Q.71	<p>In a certain code language, A ? B means 'A is the daughter of B', A = B means 'A is the son of B', A @ B means 'A is the father of B', and A √ B means 'A is the sister of B'.</p> <p>How is C related to L if 'C ? D @ E √ F = L'?</p>
Ans	<div><div>✗ A. Sister</div><div>✓ B. Daughter</div><div>✗ C. Mother</div><div>✗ D. Wife</div></div>
Q.72	<p>What should come in place of the question mark (?) in the given series?</p> <p>31 51 71 91 111 ?</p>
Ans	<div><div>✓ A. 131</div><div>✗ B. 132</div><div>✗ C. 130</div><div>✗ D. 129</div></div>
Q.73	<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) 9 3 8 9 8 9 3 4 4 4 5 1 2 3 6 8 3 2 9 6 2 9 1 4 9 2 1 (Right)</p> <p>How many such odd numbers are there, each of which is immediately preceded by an even number and also immediately followed by an even number?</p>
Ans	<div><div>✗ A. Seven</div><div>✓ B. Five</div><div>✗ C. Eight</div><div>✗ D. Nine</div></div>
Q.74	<p>Tinu starts from point A and drives 55 km towards east. He then takes a right turn, drives 57 km, turns right and drives 61 km. He then takes a right turn and drives 66 km. He takes a final right turn, drives 6 km and stops at point P. How far (shortest distance) and towards which direction should he drive in order to reach point A again?</p> <p>(Note: All turns are 90° turns only unless specified.)</p>
Ans	<div><div>✗ A. 8 km to the south</div><div>✓ B. 9 km to the south</div><div>✗ C. 10 km to the north</div><div>✗ D. 7 km to the south</div></div>

Q.75	<p>Select the set in which the numbers are related in the same way as are the numbers of the following sets.</p> <p>(Note: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)</p> <p>(18, 162, 9) (21, 189, 9)</p>
Ans	<div><div><div>✖ A. (16, 144, 8)</div><div>✖ B. (12, 120, 9)</div><div>✖ C. (9, 90, 9)</div><div>✔ D. (15, 135, 9)</div></div></div>
Q.76	<p>If + means <math>\div</math>, - means <math>\times</math>, <math>\times</math> means -, and <math>\div</math> means +, then what will come in place of the question mark (?) in the following equation?</p> <p><math>608 + 76 \times 6 - 37 \div 259 = ?</math></p>
Ans	<div><div><div>✖ A. 41</div><div>✔ B. 45</div><div>✖ C. 33</div><div>✖ D. 39</div></div></div>
Q.77	<p>In a certain code language, ‘moving through life’ is coded as ‘gt df za’ and ‘life is short’ is coded as ‘kl td za’. How is ‘life’ coded in the given language?</p> <p>(All codes are two-letter codes)</p>
Ans	<div><div><div>✔ A. za</div><div>✖ B. kl</div><div>✖ C. df</div><div>✖ D. gt</div></div></div>
Q.78	<p>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.</p> <p>(Left) % 4 6 1 * @ 8 \$ 7 &amp; Ω 9 # 2 + 3 £ 5 (Right)</p> <p>How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?</p>
Ans	<div><div><div>✖ A. 6</div><div>✖ B. 3</div><div>✔ C. 4</div><div>✖ D. 5</div></div></div>
Q.79	<p>Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only six people sit to the right of C. Only four people sit to the left of B. D sits to the left of A but right of B. F sits second to the right of G. How many people sit to the right of E?</p>
Ans	<div><div><div>✔ A. Four</div><div>✖ B. Three</div><div>✖ C. Two</div><div>✖ D. One</div></div></div>

Q.80	FK 14 is related to CG 16 in a certain way. In the same way, QV 22 is related to NR 24. To which of the given options is OT 27 related, following the same logic?
Ans	<input checked="" type="checkbox"/> A. LP 29
	<input type="checkbox"/> B. JQ 28
	<input type="checkbox"/> C. JS 29
	<input type="checkbox"/> D. LS 28

Section : General Awareness and Current Affairs

Q.81	What was the official theme for the National Technology Day, 2025?
Ans	<input type="checkbox"/> A. PANTRA – Prapancha for Advancing New Technology, Research & Acceleration
	<input type="checkbox"/> B. MANTRA – Manovikas for Advancing New Technology, Research & Acceleration
	<input checked="" type="checkbox"/> C. YANTRA – Yugantar for Advancing New Technology, Research & Acceleration
	<input type="checkbox"/> D. TANTRA – Tapasya for Advancing New Technology, Research & Acceleration

Q.82	What responsibility did the Supreme Court give to the National Environmental Engineering Research Institute (NEERI) in April 2025?
Ans	<input type="checkbox"/> A. To repair the Taj Mahal
	<input type="checkbox"/> B. To promote tourism near the Taj Mahal
	<input type="checkbox"/> C. To relocate glass factories near the Taj Mahal
	<input checked="" type="checkbox"/> D. To study the impact of glass industries on the Taj Mahal

Q.83	With which country did India conduct the joint Humanitarian Assistance and Disaster Relief (HADR) exercise in May 2025?
Ans	<input type="checkbox"/> A. Sri Lanka
	<input type="checkbox"/> B. The Philippines
	<input type="checkbox"/> C. Japan
	<input checked="" type="checkbox"/> D. The Maldives

Q.84	Which earthquake rescue operation was launched by the National Disaster Response Fo
Ans	<input checked="" type="checkbox"/> A. Operation Bramha
	<input type="checkbox"/> B. Operation Naag
	<input type="checkbox"/> C. Operation Vishnu
	<input type="checkbox"/> D. Operation Sudarshan

Q.85	As of June 2025, in which of the following years has India aimed to achieve net-zero emissions?
Ans	<input type="checkbox"/> A. 2057
	<input type="checkbox"/> B. 2030
	<input type="checkbox"/> C. 2047
	<input checked="" type="checkbox"/> D. 2070

Q.86	India will ban AsiaSat's AS-5 and AS-7 satellites after 31 March 2026. This decision comes from the Indian National Space Promotion and Authorisation Centre due to concerns over _____.
Ans	<input type="checkbox"/> A. Japanese authority
	<input checked="" type="checkbox"/> B. Chinese authority
	<input type="checkbox"/> C. South Korean authority
	<input type="checkbox"/> D. Singaporean authority

Q.87	Which of the following hockey players received the Arjuna Award in January 2025?
Ans	<div><div><input type="checkbox"/></div><div>A. Deep Grace Ekka</div></div>
	<div><div><input type="checkbox"/></div><div>B. Gurjit Kaur</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. Salima Tete</div></div>
	<div><div><input type="checkbox"/></div><div>D. Savita Punia</div></div>
Q.88	In the Union Budget 2025-26, the Government of India announced which of the following missions for ensuring energy reliability and reducing dependency on fossil fuels?
Ans	<div><div><input type="checkbox"/></div><div>A. Hydrogen Mission</div></div>
	<div><div><input type="checkbox"/></div><div>B. Hydro Power Mission</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. Nuclear Energy Mission</div></div>
	<div><div><input type="checkbox"/></div><div>D. EV Mission</div></div>
Q.89	On which date was the birth anniversary of social reformer Jyotiba Phule observed in the year 2025?
Ans	<div><div><input type="checkbox"/></div><div>A. 5th September</div></div>
	<div><div><input type="checkbox"/></div><div>B. 15th August</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. 11th April</div></div>
	<div><div><input type="checkbox"/></div><div>D. 14th April</div></div>
Q.90	As of 4 July 2025, India's foreign exchange reserves stood at _____.
Ans	<div><div><input type="checkbox"/></div><div>A. ₹56,58,048 crores</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. ₹59,68,048 crores</div></div>
	<div><div><input type="checkbox"/></div><div>C. ₹67,68,048 crores</div></div>
	<div><div><input type="checkbox"/></div><div>D. ₹54,68,048 crores</div></div>
Q.91	Where was the 2025 Open Championship (golf) played from July 17–20?
Ans	<div><div><input checked="" type="checkbox"/></div><div>A. Royal Portrush, Northern Ireland</div></div>
	<div><div><input type="checkbox"/></div><div>B. Royal Liverpool, England</div></div>
	<div><div><input type="checkbox"/></div><div>C. St Andrews, Scotland</div></div>
	<div><div><input type="checkbox"/></div><div>D. Royal Troon, Scotland</div></div>
Q.92	According to the Global Peace Index 2025, which of the following countries at the bottom, indicating the least peaceful nation?
Ans	<div><div><input type="checkbox"/></div><div>A. Sudan</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>B. Russia</div></div>
	<div><div><input type="checkbox"/></div><div>C. Yemen</div></div>
	<div><div><input type="checkbox"/></div><div>D. Syria</div></div>
Q.93	Who won Breakthrough of the Year at the 2025 Laureus Awards?
Ans	<div><div><input type="checkbox"/></div><div>A. Summer McIntosh</div></div>
	<div><div><input type="checkbox"/></div><div>B. Victor Wembanyama</div></div>
	<div><div><input checked="" type="checkbox"/></div><div>C. Lamine Yamal</div></div>
	<div><div><input type="checkbox"/></div><div>D. Coco Gauff</div></div>



Q.94	What was the score of India in the Corruption Perceptions Index (CPI) for 2024 released by Transparency International in February 2025?
Ans	<div><div><input checked="" type="checkbox"/></div>A. 38</div>
	<div><div><input type="checkbox"/></div>B. 40</div>
	<div><div><input type="checkbox"/></div>C. 24</div>
	<div><div><input type="checkbox"/></div>D. 31</div>
Q.95	Which para-athlete was honoured with the Major Dhyan Chand Khel Ratna Award by President Droupadi Murmu at Rashtrapati Bhavan in January 2025?
Ans	<div><div><input checked="" type="checkbox"/></div>A. Praveen Kumar</div>
	<div><div><input type="checkbox"/></div>B. Ajeet Singh</div>
	<div><div><input type="checkbox"/></div>C. Subhash Rana</div>
	<div><div><input type="checkbox"/></div>D. Preeti Pal</div>
Q.96	Monika Gusain won a senior executive post in which of the following Indian associations?
Ans	<div><div><input type="checkbox"/></div>A. Indian Institute of Architects</div>
	<div><div><input type="checkbox"/></div>B. National Association of Realtors - India</div>
	<div><div><input type="checkbox"/></div>C. Asian Rural Development Organization</div>
	<div><div><input checked="" type="checkbox"/></div>D. Supreme Court Bar Association</div>
Q.97	Bima Vistaar, an insurance product covering life, health and property for rural people, is likely to be launched by _____.
Ans	<div><div><input type="checkbox"/></div>A. January 2026</div>
	<div><div><input checked="" type="checkbox"/></div>B. December 2025</div>
	<div><div><input type="checkbox"/></div>C. November 2025</div>
	<div><div><input type="checkbox"/></div>D. March 2026</div>
Q.98	Under the Pradhan Mantri Bhartiya Janaushadhi Pariyojana, how many Jan Aushadhi Kendras (JAKs) have been opened till 28 February 2025 across India, having an end-to-end IT-enabled supply chain system?
Ans	<div><div><input type="checkbox"/></div>A. 13,007</div>
	<div><div><input checked="" type="checkbox"/></div>B. 15,057</div>
	<div><div><input type="checkbox"/></div>C. 14,057</div>
	<div><div><input type="checkbox"/></div>D. 16,507</div>
Q.99	Which of the following tennis tournaments used live electronic line calling instead of human judges in 2025?
Ans	<div><div><input checked="" type="checkbox"/></div>A. Wimbledon</div>
	<div><div><input type="checkbox"/></div>B. Australian Open</div>
	<div><div><input type="checkbox"/></div>C. French Open</div>
	<div><div><input type="checkbox"/></div>D. US Open</div>
Q.100	What was the theme for Ayurveda Day, 2025, as announced by the Ministry of Ayush?
Ans	<div><div><input type="checkbox"/></div>A. Traditional Remedies in Modern Times</div>
	<div><div><input type="checkbox"/></div>B. Ayurveda, Environment &amp; You</div>
	<div><div><input type="checkbox"/></div>C. Ayurveda for Wellness</div>
	<div><div><input checked="" type="checkbox"/></div>D. Ayurveda for People &amp; Planet</div>