



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०६/२०२४ - एन टी पी सी पूर्व स्नातक स्तर - CEN - 06/2024 - NTPC Under Graduate Level



Test Date	21/08/2025
Test Time	9:00 AM - 10:30 AM
Subject	RRB NTPC Under Graduate CBT 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 Awareness

Q.1 'Blossom Shower' triggers the blossoming of the flowers of which crops in Kerala and nearby areas?

- Ans ☒ 1. Tea
☒ 2. Coffee
☐ 3. Sunflower
☐ 4. Cotton

Q.2 Which of the following helps in organizing files?

- Ans ☒ 1. Naming files meaningfully
☐ 2. Not saving any files
☐ 3. Placing all files on the desktop
☐ 4. Saving all files in one folder

Q.3 In India, the area under 'Permanent Pastures and Grazing Lands' is mostly owned by:

- Ans ☐ 1. cooperatives
☐ 2. private companies
☐ 3. the Forest Department
☒ 4. Village Panchayats





























Q.4 In April 2025, which defence subsidiary signed a landmark defence MoU with Slovakia aimed at boosting India's indigenous defence manufacturing capabilities?

- Ans ☐ 1. NewSpace India Ltd
☐ 2. BrahMos Aerospace Pvt Ltd
☒ 3. Airbornics Defence & Space Pvt Ltd
☐ 4. Paras Defence and Space Technologies Ltd

Q.5 What is the primary purpose of introducing e-passports in India in May 2025?

- Ans ☒ 1. To enhance security and prevent identity fraud
☐ 2. To reduce the cost of passport production
☐ 3. To increase the number of pages in the passport
☐ 4. To change the colour of the passport cover

Q.6	Who has the authority to transfer judges of the High Courts in India?
Ans	<div><div><input checked="" type="checkbox"/> 1. President of India</div><div><input type="checkbox"/> 2. Chief Minister of the State</div><div><input type="checkbox"/> 3. Parliament of India</div><div><input type="checkbox"/> 4. Chief Justice of India acting on behalf of the Supreme Court</div></div>
Q.7	Which of the following best explains why adult literacy varies significantly across Indian states?
Ans	<div><div><input checked="" type="checkbox"/> 1. Socio-economic and educational disparities</div><div><input type="checkbox"/> 2. Unequal industrial development</div><div><input type="checkbox"/> 3. Variations in population density</div><div><input type="checkbox"/> 4. Different climate zones</div></div>
Q.8	Which Five Year Plan marked the beginning of the Green Revolution in India?
Ans	<div><div><input checked="" type="checkbox"/> 1. Third Five Year Plan</div><div><input type="checkbox"/> 2. Second Five Year Plan</div><div><input type="checkbox"/> 3. Fourth Five Year Plan</div><div><input type="checkbox"/> 4. First Five Year Plan</div></div>
Q.9	Which of the following is NOT a state function or state variable in a thermodynamic system?
Ans	<div><div><input type="checkbox"/> 1. Pressure</div><div><input type="checkbox"/> 2. Enthalpy</div><div><input checked="" type="checkbox"/> 3. Work</div><div><input type="checkbox"/> 4. Internal energy</div></div>
Q.10	In which location is the 17 th edition of the India-Mongolia joint military Exercise NOMADIC ELEPHANT being conducted, as of 29 May 2025?
Ans	<div><div><input type="checkbox"/> 1. Umroi, Meghalaya</div><div><input type="checkbox"/> 2. Thimphu, Bhutan</div><div><input checked="" type="checkbox"/> 3. Ulaanbaatar, Mongolia</div><div><input type="checkbox"/> 4. Leh, Ladakh</div></div>
Q.11	Which physical feature marks the northeastern boundary of the Peninsular Block?
Ans	<div><div><input type="checkbox"/> 1. Aravalli Range</div><div><input checked="" type="checkbox"/> 2. Malda fault</div><div><input type="checkbox"/> 3. Eastern Ghats</div><div><input type="checkbox"/> 4. Western Ghats</div></div>
Q.12	Which of the following constitutional bodies was created to recommend appointments and transfers of judges in India?
Ans	<div><div><input checked="" type="checkbox"/> 1. National Judicial Appointments Commission</div><div><input type="checkbox"/> 2. High Court Tribunal</div><div><input type="checkbox"/> 3. Supreme Council of Judges</div><div><input type="checkbox"/> 4. Central Judicial Commission</div></div>
Q.13	For her outstanding contributions towards films, which Indian filmmaker was honoured with the prestigious Officier dans l'Ordre des Arts et des Lettres (Officer of the Order of Arts and Letters) award by the French government in April 2025?
Ans	<div><div><input type="checkbox"/> 1. Mira Nair</div><div><input type="checkbox"/> 2. Zoya Akhtar</div><div><input type="checkbox"/> 3. Deepa Mehta</div><div><input checked="" type="checkbox"/> 4. Payal Kapadia</div></div>

Q.14	The provision of early childhood care and education to children below six years of age was introduced by which Constitutional Amendment?
Ans	<div><div> 1. Forty-second Amendment Act, 1976</div><div> 2. Seventy-fourth Amendment Act, 1992</div><div> 3. Eighty-sixth Amendment Act, 2002</div><div> 4. Forty-fourth Amendment Act, 1978</div></div>
Q.15	Mahavdev Govind Ranade devoted his entire life to the _____.
Ans	<div><div> 1. Prarthana Samaj</div><div> 2. Deva Samaj</div><div> 3. Servants of India Society</div><div> 4. Theosophical Society</div></div>
Q.16	What did the Supreme Court direct regarding the investigation of 171 alleged fake encounters in Assam?
Ans	<div><div> 1. Ordered the Assam Human Rights Commission to investigate</div><div> 2. Dismissed the allegations</div><div> 3. Declared the encounters justified</div><div> 4. Ordered the Assam Human Rights Commission to transferred the cases to the CBI</div></div>
Q.17	Which of the following countries withdrew from the International Criminal Court (ICC) in April 2025?
Ans	<div><div> 1. Slovakia</div><div> 2. Czech Republic</div><div> 3. Austria</div><div> 4. Hungary</div></div>
Q.18	Which of the following organisations is NOT related to the development of 'DIGIPIN', which was launched in 2025?
Ans	<div><div> 1. IIT Hyderabad</div><div> 2. ISRO</div><div> 3. DRDO</div><div> 4. Department of Posts</div></div>
Q.19	Who among the following was conferred with the Padma Shri Award 2025 in the field of Literature and Education in April 2025?
Ans	<div><div> 1. Prof. Sushil Kumar Modi</div><div> 2. Prof. Anil Kumar Boro</div><div> 3. Prof. Nandamuri Balakrishna</div><div> 4. Prof. MT Vasudevan Nair</div></div>
Q.20	Who was sworn in as the 52 nd Chief Justice of India on 14 May 2025?
Ans	<div><div> 1. Justice Bhushan Ramakrishna Gavai</div><div> 2. Justice Sanjiv Khanna</div><div> 3. Justice Uday Umesh Lalit</div><div> 4. Justice Dhananjaya Y Chandrachud</div></div>

Q.21	In which year was the National Disaster Management Authority (NDMA) initially constituted under the Chairmanship of the Prime Minister of India by an executive order?
Ans	<div><div><input checked="" type="checkbox"/> 1. 2005</div><div><input type="checkbox"/> 2. 2010</div><div><input type="checkbox"/> 3. 2007</div><div><input type="checkbox"/> 4. 2008</div></div>
Q.22	Which 2025 book by Pankaj Mishra examines Middle Eastern conflicts in a global context?
Ans	<div><div><input type="checkbox"/> 1. Beyond Borders</div><div><input type="checkbox"/> 2. Global Turmoil</div><div><input checked="" type="checkbox"/> 3. The World After Gaza</div><div><input type="checkbox"/> 4. Echoes of the East</div></div>
Q.23	The luminous efficacy of monochromatic radiation of frequency 540×10^{12} Hz, Kcd, is to be ____ when expressed in the unit lumen per watt.
Ans	<div><div><input type="checkbox"/> 1. 641</div><div><input type="checkbox"/> 2. 679</div><div><input type="checkbox"/> 3. 655</div><div><input checked="" type="checkbox"/> 4. 683</div></div>
Q.24	In which of the following years was Burhan-ul-Mulk appointed the Nazim of Awadh?
Ans	<div><div><input type="checkbox"/> 1. 1712</div><div><input type="checkbox"/> 2. 1732</div><div><input type="checkbox"/> 3. 1702</div><div><input checked="" type="checkbox"/> 4. 1722</div></div>
Q.25	Which of the following statements about the Council of Ministers is correct?
Ans	<div><div><input type="checkbox"/> 1. Ministers of State rank higher than Cabinet Ministers.</div><div><input checked="" type="checkbox"/> 2. Cabinet Ministers are a smaller group within the Council of Ministers.</div><div><input type="checkbox"/> 3. The Council of Ministers is appointed by the Chief Justice.</div><div><input type="checkbox"/> 4. All members of the Council of Ministers are part of the Cabinet.</div></div>
Q.26	Pitt's India Act of 1784 established which of the following bodies?
Ans	<div><div><input type="checkbox"/> 1. Dual Government in Bengal</div><div><input type="checkbox"/> 2. Indian Civil Services</div><div><input checked="" type="checkbox"/> 3. Board of Control</div><div><input type="checkbox"/> 4. Supreme Court at Calcutta</div></div>
Q.27	Which of the following elements is NOT generally found in proteins?
Ans	<div><div><input type="checkbox"/> 1. Nitrogen</div><div><input checked="" type="checkbox"/> 2. Phosphorus</div><div><input type="checkbox"/> 3. Carbon</div><div><input type="checkbox"/> 4. Hydrogen</div></div>
Q.28	The Green Revolution in India primarily led to an increase in the production of which crops?
Ans	<div><div><input type="checkbox"/> 1. Rice and Pulses</div><div><input type="checkbox"/> 2. Wheat and Sugarcane</div><div><input checked="" type="checkbox"/> 3. Wheat and Rice</div><div><input type="checkbox"/> 4. Rice and Maize</div></div>

Q.29	The primary cause for the rise of Jainism and Buddhism was the religious unrest in India in the _____. Ans
	<div><div>✔</div><div>1. 6th century BCE</div></div> <div><div>✖</div><div>2. 5th century BCE</div></div> <div><div>✖</div><div>3. 4th century BCE</div></div> <div><div>✖</div><div>4. 7th century BCE</div></div>
Q.30	Developing countries have often experienced mixed outcomes from globalisation. Which of the following is a potential disadvantage of globalisation for developing economies? Ans
	<div><div>✖</div><div>1. Job creation</div></div> <div><div>✖</div><div>2. Transfer of technology</div></div> <div><div>✔</div><div>3. Unequal income distribution</div></div> <div><div>✖</div><div>4. Export growth</div></div>
Q.31	Which soil is acidic in nature and found in high rainfall areas? Ans
	<div><div>✔</div><div>1. Laterite soil</div></div> <div><div>✖</div><div>2. Red soil</div></div> <div><div>✖</div><div>3. Alluvial soil</div></div> <div><div>✖</div><div>4. Black soil</div></div>
Q.32	What is the primary goal of the 'MILAN 2025' naval exercise hosted by India? Ans
	<div><div>✔</div><div>1. To promote maritime cooperation among friendly navies</div></div> <div><div>✖</div><div>2. To build new submarines jointly with France</div></div> <div><div>✖</div><div>3. To launch new defence satellites</div></div> <div><div>✖</div><div>4. To train for desert warfare</div></div>
Q.33	While multitasking, which of the following best describes what happens when Alt + Tab is used repeatedly? Ans
	<div><div>✖</div><div>1. It locks the computer.</div></div> <div><div>✔</div><div>2. It cycles through open applications in the order of last use.</div></div> <div><div>✖</div><div>3. It opens the Task Manager.</div></div> <div><div>✖</div><div>4. It closes the active window.</div></div>
Q.34	Which trio of leaders is famously associated with the rise of Extremist ideology in Indian nationalism? Ans
	<div><div>✔</div><div>1. Lal-Bal-Pal</div></div> <div><div>✖</div><div>2. Gokhale-Tilak-Gandhi</div></div> <div><div>✖</div><div>3. Nehru-Gandhi-Patel</div></div> <div><div>✖</div><div>4. Aurobindo-Lajpat Rai-Gokhale</div></div>
Q.35	Yakshagana is a folk theatre form from which of the following states of India? Ans
	<div><div>✖</div><div>1. Tamil Nadu</div></div> <div><div>✖</div><div>2. Punjab</div></div> <div><div>✔</div><div>3. Karnataka</div></div> <div><div>✖</div><div>4. Gujarat</div></div>
Q.36	Which player was honoured with the 2025 Football Writers' Association Men's Footballer of the Year award? Ans
	<div><div>✖</div><div>1. Erling Haaland</div></div> <div><div>✔</div><div>2. Mohamed Salah</div></div> <div><div>✖</div><div>3. Harry Kane</div></div> <div><div>✖</div><div>4. Bukayo Saka</div></div>

Q.37	Which type of mountain range is formed by the uplifted folded sedimentary rocks?
Ans	<div>✗ 1. Volcanic Mountains</div> <div>✗ 2. Block Mountains</div> <div>✓ 3. Fold Mountains</div> <div>✗ 4. Residual Mountains</div>
Q.38	During the period of medieval Indian literature, which language began to decline as the dominant medium for Buddhist literary expression and scholarship?
Ans	<div>✓ 1. Pali</div> <div>✗ 2. Sanskrit</div> <div>✗ 3. Apabhramsha</div> <div>✗ 4. Prakrit</div>
Q.39	The RTI Act applies to which of the followings in India?
Ans	<div>✗ 1. Only Judiciary</div> <div>✗ 2. Only Central Government</div> <div>✓ 3. All Public Authorities</div> <div>✗ 4. Only State Government</div>
Q.40	Which Indian institute developed a fluorescent sensor capable of detecting cyanide in water and human cells, using just a UV light source?
Ans	<div>✗ 1. IIT Delhi</div> <div>✗ 2. IIT Bombay</div> <div>✗ 3. IIT Madras</div> <div>✓ 4. IIT Guwahati</div>

Section : Mathematics

Q.1	Sapna invested ₹20,300 on simple interest, partly at 11% per annum and partly at 3% per annum. If she earns equal interests from the two investments after 5 years, then find the sum invested at 11% per annum (in ₹).
Ans	<div>✓ 1. 4,350</div> <div>✗ 2. 4,351</div> <div>✗ 3. 4,347</div> <div>✗ 4. 4,352</div>
Q.2	The number of prime numbers lying between 430 and 443, both included, is:
Ans	<div>✓ 1. 4</div> <div>✗ 2. 2</div> <div>✗ 3. 3</div> <div>✗ 4. 5</div>
Q.3	By how much is 65% of 65 greater than $\frac{1}{5}$ of 25?
Ans	<div>✗ 1. 31.25</div> <div>✓ 2. 37.25</div> <div>✗ 3. 35.25</div> <div>✗ 4. 34.25</div>

Q.4	Two times the present age of P exceeds the present age of Q by 41 years. After 7 years, nine times Q's age will be 24 years less than six times P's age at that time. What is the present age (in years) of Q?
Ans	<div><div><div>✖</div><div>1. 19</div></div><div><div>✖</div><div>2. 22</div></div><div><div>✖</div><div>3. 20</div></div><div><div>✔</div><div>4. 13</div></div></div>
Q.5	Evaluate: $(-9) - (-60) \div (-10) + (-3) \times 7$
Ans	<div><div><div>✖</div><div>1. -35</div></div><div><div>✖</div><div>2. -38</div></div><div><div>✔</div><div>3. -36</div></div><div><div>✖</div><div>4. -39</div></div></div>
Q.6	The LCM of the numbers 14.2 and 0.05 is:
Ans	<div><div><div>✔</div><div>1. 14.2</div></div><div><div>✖</div><div>2. 0.142</div></div><div><div>✖</div><div>3. 142</div></div><div><div>✖</div><div>4. 1.42</div></div></div>
Q.7	Find the mean proportional of 400 and 4.
Ans	<div><div><div>✖</div><div>1. 37</div></div><div><div>✖</div><div>2. 39</div></div><div><div>✔</div><div>3. 40</div></div><div><div>✖</div><div>4. 41</div></div></div>
Q.8	A shopkeeper lists the price of a fan at 44% above its cost price and offers a 25% discount on its list price. If he earns a profit of ₹126, then what is the list price (in ₹) of the fan?
Ans	<div><div><div>✖</div><div>1. 1,968</div></div><div><div>✖</div><div>2. 2,192</div></div><div><div>✖</div><div>3. 2,098</div></div><div><div>✔</div><div>4. 2,268</div></div></div>
Q.9	ABCD is a trapezium in which $BC \parallel AD$ and $AC = CD$. If $\angle ABC = 36^\circ$ and $\angle BAC = 94^\circ$, then what is the measure of $\angle ACD$ (in degree)?
Ans	<div><div><div>✖</div><div>1. 159°</div></div><div><div>✖</div><div>2. 186°</div></div><div><div>✔</div><div>3. 80°</div></div><div><div>✖</div><div>4. 163°</div></div></div>
Q.10	A bus travelling at 84 km/hr completes a journey in 20 hours. What should its speed be to cover the same distance in 10 hours?
Ans	<div><div><div>✖</div><div>1. 167 km/hr</div></div><div><div>✖</div><div>2. 165 km/hr</div></div><div><div>✖</div><div>3. 171 km/hr</div></div><div><div>✔</div><div>4. 168 km/hr</div></div></div>

Q.11	X, Y and Z invested a sum in the ratio of 19 : 88 : 18, respectively. If they earned a total profit of ₹2,200 at the end of the year, what is the difference between the shares of Y and Z?
Ans	<div>✗ 1. ₹1,181</div> <div>✗ 2. ₹1,391</div> <div>✗ 3. ₹1,302</div> <div>✓ 4. ₹1,232</div>
Q.12	Find the simple interest on ₹4,000 at 7.5% per annum rate of interest deposited on 9 February 2024 and withdrawn on 10 April 2024.
Ans	<div>✗ 1. ₹51</div> <div>✗ 2. ₹48</div> <div>✗ 3. ₹49</div> <div>✓ 4. ₹50</div>
Q.13	The marks scored by 10 students are given below. 18, 10, 15, 18, 18, 13, 20, 18, 17, 19 The mode of the given data is:
Ans	<div>✓ 1. 18</div> <div>✗ 2. 15</div> <div>✗ 3. 10</div> <div>✗ 4. 13</div>
Q.14	The sides of a triangle are 14 cm, 48 cm, and 50 cm. What is its area? (in cm ²)
Ans	<div>✗ 1. 321</div> <div>✗ 2. 324</div> <div>✓ 3. 336</div> <div>✗ 4. 314</div>
Q.15	Which of the following numbers divides 44,43,48,269?
Ans	<div>✗ 1. 12</div> <div>✗ 2. 9</div> <div>✗ 3. 10</div> <div>✓ 4. 19</div>
Q.16	M and N start a business. M invests ₹64,000 more than N for 2 months and N invests for 3 months. M's share is ₹552 more than that of N, out of a total profit of ₹1,656. Find the capital contributed by M.
Ans	<div>✗ 1. ₹95,898</div> <div>✓ 2. ₹96,000</div> <div>✗ 3. ₹95,804</div> <div>✗ 4. ₹95,828</div>
Q.17	The number 889897 is divisible by which of the following?
Ans	<div>✗ 1. 52</div> <div>✗ 2. 64</div> <div>✗ 3. 69</div> <div>✓ 4. 59</div>

Q.18 A can do a work in 16 days and B can do the same work in 18 days. If they work on it together for 4 days, then what fraction of the work is left?

- Ans
- ☐ 1. $\frac{29}{36}$
 - ☒ 2. $\frac{19}{36}$
 - ☐ 3. $\frac{25}{36}$
 - ☐ 4. $\frac{17}{36}$

Q.19 The population of a district is 350000, out of which 175000 are males. 36% of the population is literate. If 22% males are literate, then what percentage of females are literate?

- Ans
- ☒ 1. 50%
 - ☐ 2. 53%
 - ☐ 3. 48%
 - ☐ 4. 47%

Q.20 Hema can do a certain piece of work in 30 days. Hema and Raji can together do the same work in 25 days, and Hema, Raji and Smitha can do the same work together in 10 days. In how many days can Hema and Smitha do the same work together?

- Ans
- ☒ 1. $\frac{75}{7}$
 - ☐ 2. $\frac{68}{9}$
 - ☐ 3. $\frac{84}{7}$
 - ☐ 4. $\frac{71}{8}$

Q.21 A cuboid has dimensions 10 cm, 8 cm and 6 cm. If the largest possible cube is cut from one of the corners of the cuboid, what is the total surface area of the remaining portion?

- Ans
- ☐ 1. 312 cm^2
 - ☒ 2. 376 cm^2
 - ☐ 3. 488 cm^2
 - ☐ 4. 160 cm^2

Q.22 Rishi travels 585 km at 65 km/hr, the next 368 km at 92 km/hr and the next 168 km at 56 km/hr. What is his average speed (in km/hr) for the whole journey? (Round off your answer to two decimal places)

- Ans
- ☐ 1. 71.81
 - ☐ 2. 72.97
 - ☐ 3. 70.72
 - ☒ 4. 70.06

Q.23 The average weight of Tushar, Salil and Mukund is 45 kg. If the average weight of Tushar and Salil is 44 kg and that of Salil and Mukund is 47 kg, then the weight of Salil (in kg) is:

- Ans
- ☐ 1. 67
 - ☐ 2. 57
 - ☐ 3. 62
 - ☒ 4. 47

Q.24 Pallavi bought a toy for ₹255, decorated it at a cost of ₹5 and sold the toy for ₹154. Find the loss or profit percentage.

- Ans
- ☐ 1. $\frac{530}{13}\%$ profit
 - ☐ 2. $\frac{540}{13}\%$ profit
 - ☒ 3. $\frac{530}{13}\%$ loss
 - ☐ 4. 530 % loss

Q.25 Simplify: $\frac{(\tan A - \cot B)}{(\tan B - \cot A)}$

- Ans
- ☐ 1. $\sin A \cos B$
 - ☒ 2. $\tan A \cot B$
 - ☐ 3. $\tan B \cot A$
 - ☐ 4. $\sin B \cos A$

Q.26 Simplify $x(4x - 4) + 5(x^2 - 5) + 12$.









- Ans
- ☐ 1. $9x^2 - 4x + 13$
 - ☐ 2. $-9x^2 - 4x - 13$
 - ☒ 3. $9x^2 - 4x - 13$
 - ☐ 4. $-9x^2 - 4x + 13$

Q.27 The value of $\sqrt{196} + \sqrt{0.0225} - \sqrt{5.76}$ is ____.

















- Ans
- ☐ 1. 14.68
 - ☐ 2. 11.1
 - ☒ 3. 11.75
 - ☐ 4. 12.78





























Q.28 Under an offer at a shop selling trousers, customers were getting 4 trousers free on the purchase of 6 trousers. Find the discount available to the customer.

- Ans
- ☐ 1. 30%
 - ☒ 2. 40%
 - ☐ 3. 20%
 - ☐ 4. 50%

Q.29	The sum of the squares of two consecutive even natural numbers is 164. The sum of the numbers is:
Ans	<div><div> 1. 16</div><div> 2. 32</div><div> 3. 8</div><div> 4. 18</div></div>
Q.30	A retailer offers a discount scheme 'Buy 3 get 1 free'. Every item costs ₹3,000. He gave a discount of 20% on the total bill to his relative. If his relative takes home 4 items, then how much he would have paid?
Ans	<div><div> 1. ₹7,200</div><div> 2. ₹5,400</div><div> 3. ₹7,000</div><div> 4. ₹6,200</div></div>

Section : General Intelligence and Reasoning





Q.1	Seven people, A, B, C, T, U, V and W are sitting in a row, facing north. Only three people sit to the left of V. Only A sits to the right of U. Only three people sit between U and W. T sits at some place to the left of B but at some place to the right of C. How many people sit between C and B?
Ans	<div><div> 1. One</div><div> 2. Four</div><div> 3. Two</div><div> 4. Three</div></div>
Q.2	Seven boxes A, B, C, D, E, F and G 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 D. Only one box is kept between D and E. F is kept immediately above C. G is kept at some place below A. How many boxes are kept above B?
Ans	<div><div> 1. Five</div><div> 2. Four</div><div> 3. Three</div><div> 4. Two</div></div>
Q.3	Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only. (Note: All numbers are single digit numbers only). (Left) 9 # 8 \$ 1 * £ 3 4 7 + Ω 6 2 & % 5 @ (Right) How many such symbols are there each of which is immediately preceded by another symbol and also immediately followed by another symbol?
Ans	<div><div> 1. 3</div><div> 2. 2</div><div> 3. 1</div><div> 4. 0</div></div>
Q.4	In a certain code language, 'FAIR' is coded as '4627' and 'RENT' is coded as '1365'. What is the code for 'R' in the given code language?
Ans	<div><div> 1. 1</div><div> 2. 7</div><div> 3. 5</div><div> 4. 6</div></div>

Q.5	WFJU is related to AINX in a certain way based on the English alphabetical order. In the same way, MRZG is related to QUDJ. To which of the given options is YALP related, following the same logic?
Ans	<div><div> 1. CDSP</div><div> 2. CDPS</div><div> 3. CSPO</div><div> 4. CSER</div></div>
Q.6	IQNJ is related to GOLH in a certain way based on the English alphabetical order. In the same way, FNKG is related to DLIE. To which of the given options is CKHD related, following the same logic?
Ans	<div><div> 1. AIBF</div><div> 2. IABF</div><div> 3. AIFB</div><div> 4. IAFB</div></div>
Q.7	If 'I' stands for '+', 'J' stands for 'x', 'K' stands for '÷' and 'L' stands for '−', then what will come in place of the question mark (?) in the following equation? 65 I 35 L 35 I 15 K 5 J 24 I 65 K 5 J 8 = ?
Ans	<div><div> 1. 211</div><div> 2. 316</div><div> 3. 241</div><div> 4. 303</div></div>
Q.8	What should come in place of the question mark (?) in the given series? 28 49 72 97 124 ?
Ans	<div><div> 1. 144</div><div> 2. 172</div><div> 3. 153</div><div> 4. 166</div></div>
Q.9	H is the brother of P. P is the brother of S. S is the daughter of K. K is the wife of L. N is the son of M. M is married to S. How is N related to L?
Ans	<div><div> 1. Brother's son</div><div> 2. Daughter's son</div><div> 3. Son's son</div><div> 4. Son</div></div>
Q.10	What should come in place of the question mark (?) in the given series? 800, 1100, 850, 1150, 900, ?
Ans	<div><div> 1. 1200</div><div> 2. 1150</div><div> 3. 600</div><div> 4. 650</div></div>
Q.11	Tiya, Tarun, Shyam, Jiya, Varun and Ram are sitting around a circle, facing the centre. Ram sits third to the right of Tarun. Tarun sits second to the right of Tiya. Shyam sits to the immediate right of Varun. Who sits second to the right of Tarun?
Ans	<div><div> 1. Varun</div><div> 2. Tiya</div><div> 3. Jiya</div><div> 4. Shyam</div></div>

Q.12 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.

Statements:
All fans are bulbs.
No bulb is a geyser.

Conclusions:
(I): No fan is a geyser.
(II): No geyser is a bulb.

- Ans  1. Both conclusions (I) and (II) follow.
-  2. Only conclusion (II) follows.
-  3. Only conclusion (I) follows.
-  4. Neither conclusion (I) nor (II) follows.

Q.13 MONK is related to SUTQ in a certain way based on the English alphabetical order. In the same way, KMLI is related to QSRO. To which of the following is CEDA related, following the same logic?

- Ans  1. IKOP
-  2. IKJG
-  3. JULY
-  4. JUYT

Q.14 What will come in place of the question mark (?) in the following equation, if ‘+’ and ‘–’ are interchanged and ‘x’ and ‘÷’ are interchanged?

$42 \times 6 - 18 \div 4 + 15 = ?$

- Ans  1. 64
-  2. 66
-  3. 68
-  4. 62





Q.15 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

























- Ans  1. PRN
-  2. VXT
-  3. TVR
-  4. RTO

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:
All bottles are ludo.
All ludo are drums.

Conclusions:
(I): Some drums are ludo.
(II): All bottles are drums.

- Ans  1. Only conclusion (I) follows.
-  2. Both conclusions (I) and (II) follow.
-  3. Only conclusion (II) follows.
-  4. Neither conclusion (I) nor (II) follows.

Q.17	<p>What should come in place of the question mark (?) in the given series?</p> <p>515 518 523 530 539 ?</p> <p>Ans  1. 550</p> <p> 2. 549</p> <p> 3. 548</p> <p> 4. 551</p>
Q.18	<p>Seven boxes C, D, E, M, N, O and P are kept one over the other but not necessarily in the same order.</p> <p>Only two boxes are kept below O. Only one box is kept above N. Only one box is kept between N and E. C is kept immediately above M. D is kept at some place below P.</p> <p>How many boxes are kept between P and C?</p> <p>Ans  1. One</p> <p> 2. Four</p> <p> 3. Three</p> <p> 4. Two</p>
Q.19	<p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>UXZ RUW ORT LOQ ?</p> <p>Ans  1. IKN</p> <p> 2. IKM</p> <p> 3. ILN</p> <p> 4. ILM</p>
Q.20	<p>Gill starts from Point A and drives 7 km towards south. She then takes a left turn, drives 12 km, turns left and drives 4 km. She then takes a left turn and drives 5 km. She takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)</p> <p>Ans  1. 9 km towards west</p> <p> 2. 7 km towards east</p> <p> 3. 7 km towards west</p> <p> 4. 9 km towards south</p>
Q.21	<p>If + means –, – means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?</p> <p>6 – 3 + 77 × 7 ÷ 11 = ?</p> <p>Ans  1. 28</p> <p> 2. 18</p> <p> 3. 21</p> <p> 4. 35</p>
Q.22	<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?</p> <p>(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)</p> <p>Ans  1. PLQ</p> <p> 2. EAG</p> <p> 3. HDI</p> <p> 4. LHM</p>

Q.23 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) 4 6 % Ω 9 # @ 8 \$ 7 1 * £ 5 & + 3 2 (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

- Ans
1. 2

2. 1

3. 3

4. 4

Q.24 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs. (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.)

86, 286
48, 248

- Ans
1. 65, 265

2. 70, 280

3. 78, 378

4. 45, 235

Q.25 Dominic starts from Point A and drives 6 km towards east. He then takes a right turn, drives 9 km, turns right and drives 11 km. He then takes a right turn and drives 19 km. He takes a final right 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° turns only unless specified.)

- Ans
1. 11 km; south

2. 10 km; south

3. 13 km; south

4. 12 km; south

Q.26 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
1. ORM

2. KNI

3. RUP

4. TWS

Q.27 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BGK HMQ NSW TYC ?





- Ans
1. ZIE

2. ZLE


3. ZEL

4. ZEI

Q.28 Each of the digits in the number 7356981 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- Ans**
-  1. 9
 -  2. 11
 -  3. 8
 -  4. 10

Q.29 In a certain code language, ‘FELT’ is coded as ‘4629’ and ‘LOAN’ is coded as ‘1345’. What is the code for ‘L’ in the given code language?

- Ans**
-  1. 4
 -  2. 3
 -  3. 1
 -  4. 2

Q.30 Seven boxes P, Q, R, S, X, Y and Z are kept one over the other, but not necessarily in the same order. Only P is kept above R. Only X is kept between R and Q. Only Z is kept below S. How many boxes are kept between Y and Z?

- Ans**
-  1. Three
 -  2. One
 -  3. Four
 -  4. Two