



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	22/08/2025
Test Time	4:30 PM - 6:00 PM
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.

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

Section : General Awareness

Q.1

China deployed a sophisticated Large Phased Array Radar (LPAR) system near the \_\_\_\_\_ raising concerns over increased surveillance capabilities.

- Ans
- ☒ 1. India-Bangladesh border

☒ 2. India-Nepal border

☒ 3. India-Bhutan border

☒ 4. India-Myanmar border

Q.2

What is the correct order of the three-tier Panchayati Raj structure from bottom to top in India?

- Ans
- ☒ 1. Panchayat Samiti – Gram Panchayat – Zila Parishad

☒ 2. Gram Sabha – Gram Panchayat – Zila Parishad

☒ 3. Gram Panchayat – Panchayat Samiti – Zila Parishad

☒ 4. Zila Parishad – Panchayat Samiti – Gram Panchayat

Q.3

How did the Industrial Revolution alter the British economic interests in India?

- Ans
- ☒ 1. From taxes to feudal rule

☒ 2. From plantations to nomadic life

☒ 3. From control to cultural ties

☒ 4. From trade to industry and raw material use

Q.4

Which among the following South Indian kingdoms is known for the conquest that crossed the river Ganga in the north?

- Ans
- ☒ 1. Pandyas

☒ 2. Pallava

☒ 3. Chalukya

☒ 4. Chola

Q.5

Which chemical process results in the formation of plaque on copper, the rusting of iron and the blackening of silver?

- Ans
- ☒ 1. Flocculation

☒ 2. Extrusion

☒ 3. Corrosion

☒ 4. Encapsulation

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Q.6	Which of the following sectors employed the largest share of India's population before independence?
Ans	<div><div><input type="checkbox"/></div><div>1. Industry</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. Agriculture</div></div> <div><div><input type="checkbox"/></div><div>3. Services</div></div> <div><div><input type="checkbox"/></div><div>4. Trade</div></div>
Q.7	Which type of rural settlement is most common in the northeastern states and Northern Plains of India?
Ans	<div><div><input type="checkbox"/></div><div>1. Dispersed</div></div> <div><div><input type="checkbox"/></div><div>2. Semi-clustered</div></div> <div><div><input type="checkbox"/></div><div>3. Hamleted</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Clustered</div></div>
Q.8	Which of the following players was awarded with National Sports award 2024 in the field of Para-Badminton in January 2025?
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. Nithya Sre Sumathy Sivan</div></div> <div><div><input type="checkbox"/></div><div>2. Saina Nehwal</div></div> <div><div><input type="checkbox"/></div><div>3. PV Sindhu</div></div> <div><div><input type="checkbox"/></div><div>4. S Muralidharan</div></div>
Q.9	Which of the following correctly describes the impact of 1991 reforms on agricultural exports?
Ans	<div><div><input checked="" type="checkbox"/></div><div>1. Export promotion was encouraged through de-regulation.</div></div> <div><div><input type="checkbox"/></div><div>2. Export restrictions were imposed to ensure food security.</div></div> <div><div><input type="checkbox"/></div><div>3. Agricultural exports were completely banned.</div></div> <div><div><input type="checkbox"/></div><div>4. Only wheat and rice were allowed for export.</div></div>
Q.10	Which of the following are main subsystems of the Central Processing Unit (CPU)?
Ans	<div><div><input type="checkbox"/></div><div>1. Arithmetic Unit, Memory Unit and Output Unit</div></div> <div><div><input checked="" type="checkbox"/></div><div>2. Control Unit, Arithmetic Unit and Logic Unit</div></div> <div><div><input type="checkbox"/></div><div>3. Arithmetic Unit, Graphics Unit and Control Bus</div></div> <div><div><input type="checkbox"/></div><div>4. Logic Unit, Input Unit and Storage Unit</div></div>
Q.11	Which law is most frequently applied when calculating the electric field, particularly when high symmetry is present?
Ans	<div><div><input type="checkbox"/></div><div>1. Faraday's Law</div></div> <div><div><input type="checkbox"/></div><div>2. Coulomb's law</div></div> <div><div><input checked="" type="checkbox"/></div><div>3. Gauss's Law</div></div> <div><div><input type="checkbox"/></div><div>4. Lenz's Law</div></div>
Q.12	Which of the following refers to the newer and younger deposits of the floodplains in the Northern Plains of India, which are renewed almost every year and are therefore very fertile?
Ans	<div><div><input type="checkbox"/></div><div>1. Terai</div></div> <div><div><input type="checkbox"/></div><div>2. Bhangar</div></div> <div><div><input type="checkbox"/></div><div>3. Kankar</div></div> <div><div><input checked="" type="checkbox"/></div><div>4. Khadar</div></div>

**Q.13** Which of the following athletes set a new record in triple jump with a 15.66 m leap at the 2025 Khelo India Youth Games in May 2025?

- Ans**
- ☐ 1. Qadir Khan
  - ☐ 2. Animesh Kujur
  - ☐ 3. Tushar Chaudhary
  - ☒ 4. Sheikh Zeeshan

**Q.14** Which of the following groups is provided support under the One-Stop Centre (OSC) scheme?

- Ans**
- ☐ 1. Only women from a specific caste or religion
  - ☐ 2. Only women working in government offices
  - ☐ 3. Only married women in urban areas
  - ☒ 4. All women and girls below 18 years of age affected by violence

**Q.15** Exercise Desert Hunt 2025, an integrated tri-service special forces exercise was conducted by the Indian Air Force at which of the following stations?

- Ans**
- ☒ 1. Airforce station at Jodhpur
  - ☐ 2. Airforce station at Gandhi Nagar
  - ☐ 3. Airforce station at Prayagraj
  - ☐ 4. Airforce station at Agra

**Q.16** Who was awarded the Major Dhyan Chand Khel Ratna Award in 2025 for his leadership in Indian hockey?

- Ans**
- ☐ 1. Rupinder Pal Singh
  - ☐ 2. PR Sreejesh
  - ☐ 3. Manpreet Singh
  - ☒ 4. Harmanpreet Singh

**Q.17** Which Amendment of the Citizenship Act introduced the provision that an illegal migrant cannot acquire citizenship by naturalisation or registration?

- Ans**
- ☐ 1. 2015 Amendment
  - ☐ 2. 1986 Amendment
  - ☐ 3. 2005 Amendment
  - ☒ 4. 2003 Amendment

**Q.18** The Santhal Revolt of 1855-56 was against which groups along with the British officials?

- Ans**
- ☒ 1. Zamindars and moneylenders
  - ☐ 2. French traders
  - ☐ 3. Afghan invaders
  - ☐ 4. Marathas and Nawabs

**Q.19** According to the report titled “India Revives ₹44,000 Crore Plan to Boost Defence Manufacturing”, published in 2025, what is the primary purpose of this plan?

- Ans**
- ☐ 1. Enhancing cyber defence capabilities
  - ☒ 2. Safeguarding ports and trade routes
  - ☐ 3. Developing fifth-generation fighter jets
  - ☐ 4. Acquiring advanced radar systems

Q.20	Which Act first recognised the political and administrative functions of the East India Company in India?
Ans	<div><div><div>✖</div><div>1. Charter Act 1813</div></div><div><div>✖</div><div>2. Pitt's India Act 1784</div></div><div><div>✖</div><div>3. Government of India Act 1858</div></div><div><div>✔</div><div>4. Regulating Act 1773</div></div></div>
Q.21	The government tracks the performance of eight core industries to monitor industrial activity. What is the approximate weight of the core industries in the Index of Industrial Production (IIP)?
Ans	<div><div><div>✖</div><div>1. 30%</div></div><div><div>✔</div><div>2. 40%</div></div><div><div>✖</div><div>3. 20%</div></div><div><div>✖</div><div>4. 45%</div></div></div>
Q.22	In which of the following years was the monetary policy framework moved towards flexible inflation targeting and a six member Monetary Policy Committee (MPC) constituted for setting the policy rate?
Ans	<div><div><div>✖</div><div>1. 1992</div></div><div><div>✔</div><div>2. 2016</div></div><div><div>✖</div><div>3. 2013</div></div><div><div>✖</div><div>4. 1998</div></div></div>
Q.23	You want to create a file called "Notes.txt". Which tool would you use?
Ans	<div><div><div>✖</div><div>1. Calculator</div></div><div><div>✖</div><div>2. Paint</div></div><div><div>✖</div><div>3. Windows Media Player</div></div><div><div>✔</div><div>4. Notepad</div></div></div>
Q.24	The Indus River system includes all of the following rivers EXCEPT:
Ans	<div><div><div>✖</div><div>1. Sutlej</div></div><div><div>✔</div><div>2. Godavari</div></div><div><div>✖</div><div>3. Ravi</div></div><div><div>✖</div><div>4. Jhelum</div></div></div>
Q.25	Where was the 2025 Global Artificial Intelligence Summit & Awards (GAISA) held?
Ans	<div><div><div>✖</div><div>1. Bengaluru International Exhibition Centre</div></div><div><div>✖</div><div>2. Taj Palace, New Delhi</div></div><div><div>✖</div><div>3. Pragati Maidan, New Delhi</div></div><div><div>✔</div><div>4. Bharat Mandapam, New Delhi</div></div></div>
Q.26	In May 2025, Union Home Minister Amit Shah laid the foundation stone for the permanent campus of the National Forensic Sciences University (NFSU) in Nagpur. At which location did this ceremony take place?
Ans	<div><div><div>✔</div><div>1. Mouza Chicholi, Kamptee tehsil, Nagpur district</div></div><div><div>✖</div><div>2. Swasthi Nivas, Nagpur</div></div><div><div>✖</div><div>3. Vishwas Cell, Nagpur University</div></div><div><div>✖</div><div>4. Subhash Nagar, Nagpur</div></div></div>



Q.27 Which of the following options best defines 'Sustainable Development'?

- Ans
- ☐ 1. Industrialisation without any restrictions
  - ☐ 2. Maximising profits from natural resources
  - ☐ 3. Using only renewable resources
  - ☒ 4. Development that meets present needs without compromising future generations

Q.28 The 2025 Sheikh Zayed Book Award recognised which author as the Cultural Personality of the Year?

- Ans
- ☐ 1. Nairithi Konduru
  - ☒ 2. Haruki Murakami
  - ☐ 3. Sophie Elmhirst
  - ☐ 4. Michael Crummey

Q.29 In 2025, which state achieved a major infrastructure milestone with the support of Indo-foreign collaboration?

- Ans
- ☐ 1. Gujarat
  - ☐ 2. Uttar Pradesh
  - ☒ 3. Madhya Pradesh
  - ☐ 4. Rajasthan

Q.30 Which ISRO mission, in collaboration with JAXA, aims to explore the Moon's polar regions?

- Ans
- ☐ 1. Chandrayaan-4
  - ☒ 2. Lunar Polar Exploration Mission
  - ☐ 3. Shukrayaan
  - ☐ 4. Chandrayaan-5

Q.31 In 2022, which of the following states made headlines for having discovered the oldest Iron Age site in the Indian subcontinent?

- Ans
- ☐ 1. Gujarat
  - ☒ 2. Tamil Nadu
  - ☐ 3. Uttar Pradesh
  - ☐ 4. Meghalaya

Q.32 Which of the following authors penned the novel "Midnight's Children," famous for its fusion of historical narratives with elements of magical realism?

- Ans
- ☐ 1. Rohinton Mistry
  - ☐ 2. Vikram Seth
  - ☐ 3. Arundhati Roy
  - ☒ 4. Salman Rushdie

Q.33 What types of climate and vegetation characterise the Taiga natural region?

- Ans
- ☐ 1. Arid deserts with cactus
  - ☒ 2. Cold climate with coniferous forests
  - ☐ 3. Flood-prone swamp areas
  - ☐ 4. Dense tropical vegetation

Q.34 In May 2025, IBM and TCS partnered with Andhra Pradesh to build the “Quantum Valley Tech Park” in \_\_\_\_\_.

- Ans
- ☐ 1. Srikakulam
  - ☐ 2. East Godavari
  - ☐ 3. Kakinada
  - ☒ 4. Amaravati

Q.35 One of the largest terminals in the world, Terminal-3 of the Indira Gandhi International Airport (IGIA), was inaugurated in which year with a capacity to handle up to 40 million passengers annually?

- Ans
- ☒ 1. 2010
  - ☐ 2. 2005
  - ☐ 3. 2020
  - ☐ 4. 2015

Q.36 In angiosperms, which of the following organs represents the male reproductive part of a flower?

- Ans
- ☐ 1. Gynoecium
  - ☐ 2. Petals
  - ☒ 3. Androecium
  - ☐ 4. Sepals

Q.37 Yakshagana is a folk theatre form from which of the following States of India?

- Ans
- ☐ 1. Punjab
  - ☒ 2. Karnataka
  - ☐ 3. Tamil Nadu
  - ☐ 4. Gujarat

Q.38 The provisions for salaries and emoluments of constitutional authorities are mentioned in which Schedule?

- Ans
- ☐ 1. Ninth Schedule
  - ☒ 2. Second Schedule
  - ☐ 3. Seventh Schedule
  - ☐ 4. Third Schedule

Q.39 Which state has special constitutional provisions to protect its tribal customs and laws under Article 371A?

- Ans
- ☐ 1. Assam
  - ☒ 2. Nagaland
  - ☐ 3. Mizoram
  - ☐ 4. Tripura

Q.40 The world's first Pandemic Agreement was adopted during which session of the World Health Assembly held in May 2025?

- Ans
- ☐ 1. 77<sup>th</sup> World Health Assembly
  - ☐ 2. 76<sup>th</sup> World Health Assembly
  - ☒ 3. 78<sup>th</sup> World Health Assembly
  - ☐ 4. 79<sup>th</sup> World Health Assembly

Section : Mathematics

Q.1 4 times the present age of P exceeds the present age of Q by 19 years. After 5 years, 3 times the age of Q will be 27 years less than 9 the age of P. The present age of Q is (in years):

- Ans
- ☐ 1. 63
  - ☐ 2. 58
  - ☐ 3. 66
  - ☒ 4. 61

Q.2 Simplify:  $(1 + \cot^2 A) + \left(1 + \frac{1}{\cot^2 A}\right)$

- Ans
- ☐ 1.  $\sin^2 A \cos^2 A$
  - ☐ 2.  $\tan^2 A$
  - ☒ 3.  $\operatorname{cosec}^2 A \sec^2 A$
  - ☐ 4.  $\cot^2 A$

Q.3 P, Q and R invest a sum in the ratio of 59 : 14 : 72, respectively. If they earned a total profit of ₹4,790 at the end of the year, what is the difference between the shares of Q and R?

- Ans
- ☐ 1. ₹2,022
  - ☐ 2. ₹1,836
  - ☐ 3. ₹1,966
  - ☒ 4. ₹1,916

Q.4 The value of  $\sqrt{121} + \sqrt{0.0196} - \sqrt{8.41}$  is \_\_\_\_.

- Ans
- ☐ 1. 6.03
  - ☐ 2. 15.54
  - ☒ 3. 8.24
  - ☐ 4. 8.55

Q.5 Find the perimeter of a semicircle with a radius of 7 cm. (Use  $\pi = \frac{22}{7}$ )

- Ans
- ☐ 1. 22 cm
  - ☐ 2. 25 cm
  - ☒ 3. 36 cm
  - ☐ 4. 28 cm

Q.6 Anjani can do a certain piece of work in 30 days. Anjani and Khushbu can together do the same work in 10 days, and Anjani, Khushbu and Sushmita can do the same work together in 9 days. In how many days can Anjani and Sushmita do the same work together?

- Ans
- ☐ 1.  $\frac{44}{2}$
  - ☐ 2.  $\frac{49}{4}$
  - ☒ 3.  $\frac{45}{2}$
  - ☐ 4.  $\frac{38}{3}$

Q.7 The number of prime numbers lying between 488 and 494, both included, is:

- Ans
- ☐ 1. 3
  - ☐ 2. 4
  - ☒ 3. 1
  - ☐ 4. 2



Q.8 Find the surface area of a sphere whose diameter is equal to 54 cm.

- Ans
 

1.  $3865\pi\text{ cm}^2$

2.  $2386\pi\text{ cm}^2$

3.  $3651\pi\text{ cm}^2$

4.  $2916\pi\text{ cm}^2$

Q.9 The income of Raman is ₹86,400. He saves 22.5% of his income. If his income increases by 22% and expenditure increases by 25%, then his savings will:

- Ans
 

1. decrease by ₹2,271

2. increase by ₹2,268

3. increase by ₹2,273

4. decrease by ₹2,263

Q.10 Diya has to reach Surat which is 811 km away in 14 hours. His starting speed for 5 hours was 91 km/hr. For the next 84 km his speed was 84 km/hr. By what speed he must travel now so as to reach Surat in the decided time of 14 hours?

- Ans
 

1. 38 km/hr

2. 39 km/hr

3. 35 km/hr

4. 34 km/hr

Q.11 Find the simple interest (in ₹) on ₹4,000 at 7.5% per annum rate of interest deposited on 5 February 2024 and withdrawn on 6 April 2024.

- Ans
 

1. 49

2. 51

3. 50

4. 48

Q.12 A number, when increased by 60%, gives 3600. The number is:

- Ans
 

1. 4500

2. 6750

3. 2250

4. 1125

Q.13 The average of first 165 even numbers is

- Ans
 

1. 166

2. 167

3. 165.5

4. 166.5

Q.14 An article is marked for ₹720. If two successive discounts of 10% and 15% are allowed for sale, then the selling price of the article is:

- Ans
 

1. ₹597.60

2. ₹550.80

3. ₹468

4. ₹489.60

Q.15 What sum of money (in ₹) will amount to ₹2,400 at 5% per annum simple interest in 4 years?

- Ans
 

1. ₹1,950

2. ₹2,000

3. ₹12,000

4. ₹2,050

Q.16 The average price of three items of furniture is ₹16,005. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

- Ans 

✓

1. 9,603

✗

2. 5,335

✗

3. 3,201

✗

4. 7,469

Q.17 Anil bought some pens at the rate of ₹150 a dozen. He sold them for ₹45 each. His profit percentage is \_\_\_\_%.

- Ans 

✗

1. 258

✓

2. 260

✗

3. 262

✗

4. 264

Q.18 Find the value of  $83^{-2} \div 83^7 \times 83^{-10}$ .

- Ans 

✓

1.  $83^{-19}$

✗

2.  $83^{-20}$

✗

3.  $83^{-16}$

✗

4.  $83^{-14}$

Q.19 The product of two consecutive positive natural numbers is 930. The greater of the two numbers is:

- Ans 

✗

1. 29

✗

2. 32

✗

3. 33

✓

4. 31

Q.20 Simplify  $x(7x - 2) + 5(x^2 - 3) + 13$ .

- Ans 

✗

1.  $12x^2 - 2x + 2$

✗

2.  $-12x^2 - 2x - 2$

✓

3.  $12x^2 - 2x - 2$

✗

4.  $-12x^2 - 2x + 2$

Q.21 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 66 km/hr while Malaika is driving at 99 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 3 hours.

- Ans 

✓

1. 2 hours

✗

2. 4 hours

✗

3. 12 hours

✗

4. 11 hours

Q.22 An electronics retailer offers two successive discounts of 7% and 10% on a TV priced at ₹48,000. What is the difference in the final price after applying two successive discounts compared to applying a flat discount of 17%?

- Ans 

✗

1. ₹327

✗

2. ₹312

✗

3. ₹318

✓

4. ₹336

**Q.23** In  $\triangle ABC$ ,  $BD \perp AC$  at D and  $\angle DBC = 60^\circ$ . E is a point on BC such that  $\angle CAE = 20^\circ$ . What is the measure of  $\angle AEB$ ?

- Ans**
- ☒ 1.  $58^\circ$
  - ☒ 2.  $50^\circ$
  - ☒ 3.  $46^\circ$
  - ☒ 4.  $54^\circ$

**Q.24** What smallest number should be added to 71079 so that the sum is completely divisible by 23?

- Ans**
- ☒ 1. 15
  - ☒ 2. 13
  - ☒ 3. 9
  - ☒ 4. 14

**Q.25** M and N start a business. M invests ₹24,000 more than N for 3 months and N invests for 4 months. M's share is ₹962 more than that of N, out of a total profit of ₹7,696. Find the capital contributed by M.

- Ans**
- ☒ 1. ₹57,424
  - ☒ 2. ₹57,692
  - ☒ 3. ₹57,626
  - ☒ 4. ₹57,600

**Q.26** Pipe A can fill a tank in 19 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 8 hours. The time taken by them to fill the same tank if they operate together is::

- Ans**
- ☒ 1.  $4\frac{316}{719}$  hours
  - ☒ 2.  $13\frac{316}{719}$  hours
  - ☒ 3.  $10\frac{316}{719}$  hours
  - ☒ 4.  $11\frac{316}{719}$  hours

**Q.27** Which of the following numbers divides 934725?

- Ans**
- ☒ 1. 6
  - ☒ 2. 2
  - ☒ 3. 10
  - ☒ 4. 3

**Q.28** A shopkeeper lists the price of a fan at 50% above its cost price and offers a 30% discount on its list price. If he earns a profit of ₹175, then what is the list price (in ₹) of the fan?

- Ans**
- ☒ 1. 5,040
  - ☒ 2. 5,250
  - ☒ 3. 5,021
  - ☒ 4. 5,088

Q.29 Find the mean proportional between 22 and 88.

- Ans
- ☒ 1. 47
  - ☒ 2. 44
  - ☒ 3. 46
  - ☒ 4. 41

Q.30 The H.C.F. and the L.C.M. of two numbers are 11 and 495, respectively. If one of the numbers is 55, find the other one.

- Ans
- ☒ 1. 99
  - ☒ 2. 172
  - ☒ 3. 21
  - ☒ 4. 181

Section : General Intelligence and Reasoning

Q.1 Seven people, A, B, C, D, P, Q and R, are sitting in a row, facing north. Only three people sit to the left of R. Only A sits to the right of C. Only three people sit between C and Q. B sits at some place to the left of P but at some place to the right of D. How many people sit between D and P?

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

Q.2 In a certain code language, 'PICK' is coded as '3517' and 'COST' is coded as '2146'. What is the code for 'C' in the given code language?

- Ans
- ☒ 1. 3
  - ☒ 2. 1
  - ☒ 3. 6
  - ☒ 4. 4

Q.3 In a certain code language,  
A # B means 'A is the mother 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 C related to U if 'C - O @ M # B % U'?

- Ans
- ☒ 1. Mother
  - ☒ 2. Mother's mother
  - ☒ 3. Mother's sister
  - ☒ 4. Sister

Q.4 What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged, and '-' and '÷' are interchanged?

2 + 8 ÷ 84 - 7 × 27 = ?

- Ans
- ☒ 1. 15
  - ☒ 2. 31
  - ☒ 3. 26
  - ☒ 4. 21

Q.5 In a certain code language, 'CURE' is coded as '8426' and 'THOU' is coded as '5183'. What is the code for 'U' in the given code language?

- Ans
- ☒ 1. 4
  - ☒ 2. 1
  - ☒ 3. 8
  - ☒ 4. 3

Q.6 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.

LUNG - UNLG - GNUL  
FERN - ERFN - NREF

- Ans
- ☒ 1. COIR - OICR - RIOC
  - ☒ 2. SWAP - SAWP - PAWS
  - ☒ 3. BAKE - AKBE - AKEB
  - ☒ 4. CUTS - UCTS - SUTC

Q.7 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. ORK
  - ☒ 2. RUO
  - ☒ 3. ILF
  - ☒ 4. LOI

Q.8 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 laptops are computers.  
Some laptops are desktops.

**Conclusions:**  
(I): Some computers are desktops.  
(II): Some desktops are laptops.

- Ans
- ☒ 1. Only Conclusion I follows
  - ☒ 2. Only Conclusion II follows
  - ☒ 3. Both Conclusions I and II follow
  - ☒ 4. Neither Conclusion I nor II follows

Q.9 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$36 + 48 \times 4 \div 5 - 3 = ?$

- Ans
- ☒ 1. 39
  - ☒ 2. 47
  - ☒ 3. 52
  - ☒ 4. 43

Q.10 What should come in place of the question mark (?) in the given series?

94 ? 118 142 174 214

- Ans
- ☒ 1. 102
  - ☒ 2. 106
  - ☒ 3. 112
  - ☒ 4. 108

Q.11	<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>✖</div><div>1. NJ-OL</div></div><div><div>✔</div><div>2. TP-US</div></div><div><div>✖</div><div>3. QM-RO</div></div><div><div>✖</div><div>4. KG-LI</div></div></div>
Q.12	<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 Steel are Nickel. Some Nickel are Chromium.</p> <p><b>Conclusions:</b> I: Some Steel are Chromium. II: No Chromium are Steel.</p>
Ans	<div><div><div>✖</div><div>1. Both conclusions (I) and (II) follow.</div></div><div><div>✔</div><div>2. Neither conclusion (I) nor (II) follows.</div></div><div><div>✖</div><div>3. Only conclusion (I) follows.</div></div><div><div>✖</div><div>4. Only conclusion (II) follows.</div></div></div>
Q.13	<p>Samar ranked 39<sup>th</sup> from the top and 34<sup>th</sup> from the bottom in his class. How many students are there in his class?</p>
Ans	<div><div><div>✔</div><div>1. 72</div></div><div><div>✖</div><div>2. 74</div></div><div><div>✖</div><div>3. 71</div></div><div><div>✖</div><div>4. 73</div></div></div>
Q.14	<p>Ram starts his journey from point A and drives for 12 km towards the south. He then turns right and drives for 7 km. He then turns left, drives for 5 km, then again turns left and drives for 13 km, and then again turns left and drives for 9 km. He then turns left and drives for 14 km. He takes a final right turn and drives for 8 km and stops. How far (shortest distance) and in which direction should he drive in order to reach point A again? (All turns are 90-degree turns only unless specified.)</p>
Ans	<div><div><div>✔</div><div>1. 8 km towards the east</div></div><div><div>✖</div><div>2. 8 km towards the north</div></div><div><div>✖</div><div>3. 6 km towards the east</div></div><div><div>✖</div><div>4. 5 km towards the east</div></div></div>
Q.15	<p>What should come in place of the question mark (?) in the given series based on the English alphabetical order?</p> <p>RXY TTV ? XLP ZHM</p>
Ans	<div><div><div>✖</div><div>1. VWZ</div></div><div><div>✖</div><div>2. PDM</div></div><div><div>✔</div><div>3. VPS</div></div><div><div>✖</div><div>4. SRV</div></div></div>



Q.16 Refer to the following number and symbol series and answer the question that follows.  
Counting to be done from left to right only.

(Left) 0 3 # π 2 σ Ω 9 \$ # 4 8 9 % 1 & 5 @ 8 6 μ (Right)

How many such symbols are there, which are immediately preceded by a prime number and also immediately followed by a symbol?

- Ans
- ☒ 1. One
  - ☒ 2. Two
  - ☒ 3. None
  - ☒ 4. Three

Q.17 Teena, Beena, Meera, Leena, Meenu and Reena are sitting around a circle, facing the centre. Reena sits second to the left of Teena. Meenu sits third to the left of Reena. Leena sits second to the left of Meera. Who sits second to the left of Beena?

- Ans
- ☒ 1. Reena
  - ☒ 2. Teena
  - ☒ 3. Leena
  - ☒ 4. Meera

Q.18 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

EYN : FAQ  
GWA : HYD

- Ans
- ☒ 1. JUF : KWI
  - ☒ 2. SBL : TEM
  - ☒ 3. TQH : WSI
  - ☒ 4. OCR : PDS

Q.19 This question is based on the five, three-digit numbers given below.

(Left) 438 745 217 153 876 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)  
(NOTE: All operations to be done from left to right.)

What will be the resultant if the third digit of the highest number is added to the second digit of the lowest number?

- Ans
- ☒ 1. 10
  - ☒ 2. 12
  - ☒ 3. 13
  - ☒ 4. 11

Q.20 Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- Ans
- ☒ 1. RV-MP
  - ☒ 2. NR-IL
  - ☒ 3. KO-FI
  - ☒ 4. IM-DH

Q.21 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.

POST - OPST - PSTO  
LITE - ILTE - LTEI

- Ans
- ✓ 1. GANY - AGNY - GNYA
  - ✗ 2. HOST - OHST - OSTH
  - ✗ 3. VAIN - VIAN - NIAV
  - ✗ 4. MIND - IMND - DINM

Q.22 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.)

(19, 374, 14)  
(47, 2230, 22)

- Ans
- ✓ 1. (50, 2514, 15)
  - ✗ 2. (27, 744, 11)
  - ✗ 3. (45, 2031, 2)
  - ✗ 4. (4, 22, 2)

Q.23 What should come in place of the question mark (?) in the given series?

750 755 745 750 740 745 735 ?

- Ans
- ✓ 1. 740
  - ✗ 2. 750
  - ✗ 3. 735
  - ✗ 4. 745

Q.24 Navish ranked 14<sup>th</sup> from the bottom and 17<sup>th</sup> from the top in his class. How many students are there in his class?

- Ans
- ✗ 1. 28
  - ✓ 2. 30
  - ✗ 3. 27
  - ✗ 4. 29

Q.25 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then the resultant of which of the following would be 18?

- Ans
- ✓ 1. 45 D 6 B 8 C 42 A 2
  - ✗ 2. 45 C 6 A 8 B 42 A 2
  - ✗ 3. 45 B 6 C 8 D 42 A 2
  - ✗ 4. 45 A 6 B 8 D 42 C 2

Q.26 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DKR 79, HOV 73, LSZ 67, PWD 61, TAH 55, ?

- Ans
- ✗ 1. XEM 50
  - ✓ 2. XEL 49
  - ✗ 3. ZEL 51
  - ✗ 4. XOL 53

Q.27 Vinay starts from Point A and drives 8 km towards North. He then takes a left turn, drives 4 km, turns left and drives 11 km. He then takes a left turn and drives 6 km. He takes a final left turn, drives 3 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. 3 km to west

 2. 2 km to east

 3. 3 km to east

 4. 2 km to west

Q.28 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only four boxes are kept between Z and Y. Only X is kept above Z. Only two boxes are kept between W and V. R is kept immediately above Q. V is not kept immediately above R. Which box is kept fourth from the top?

- Ans

 1. W

 2. R

 3. Q

 4. Y

Q.29 Each of the digits in the number 8127365 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. 8


 3. 6


 4. 7

Q.30 What should come in place of the question mark (?) in the given series?


9 13 21 33 49 ?

- Ans

 1. 69

 2. 70

 3. 75

 4. 67