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	04/09/2025
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 Which reformer is known for his efforts to promote widow remarriage and women's education in Bengal?

Ans ✗ 1. Keshab Chandra Sen

✓ 2. Ishwar Chandra Vidyasagar

✗ 3. Debendranath Tagore

✗ 4. Swami Vivekananda

Q.2 Which of the following Articles of the Indian Constitution provides for the power of the President to specify the Scheduled Tribes under the Constitution?

Ans ✓ 1. Article 342

✗ 2. Article 343

✗ 3. Article 336

✗ 4. Article 340

Q.3 Which of the following Defence Public Sector Undertakings (DPSUs) were granted 'Miniratna' Category-I status by Defence Minister Rajnath Singh in May 2025?

Ans ✗ 1. Bharat Dynamics Limited (BDL)

✗ 2. Hindustan Aeronautics Limited (HAL)

✗ 3. Bharat Electronics Limited (BEL)

✓ 4. Munitions India Limited (MIL)

Q.4 In 2025, the Central government selected which of the following start-ups to build India's first indigenous artificial intelligence (AI) large language model (LLM)?

Ans ✗ 1. Sarvana

✓ 2. Sarvam

✗ 3. Srijan

✗ 4. Sarvshresht

Q.5 What does the abbreviation 'MAN' stand for in computer networking?

Ans ✗ 1. Mobile Area Network

✗ 2. Medium Access Network

✗ 3. Main Access Node

✓ 4. Metropolitan Area Network

Q.6 As of June 2025, how many languages are listed in the Eighth Schedule of the Indian Constitution?

Ans
✗ 1. 24

✗ 2. 18

✓ 3. 22

✗ 4. 14

Q.7 President Droupadi Murmu conferred how many Kirti Chakras, including four posthumous, during Phase-I of the Defence Investiture Ceremony 2025 in May 2025?

Ans
✗ 1. Fifteen

✗ 2. Nine

✓ 3. Six

✗ 4. Twelve

Q.8 Tuhin Kanta Pandey succeeded whom as the chairman of the Securities and Exchange Board of India (SEBI) in March 2025?

Ans
✗ 1. Ajay Tyagi

✗ 2. UK Sinha

✓ 3. Madhabi Puri Buch

✗ 4. CB Bhave

Q.9 Which of the following states was NOT formed through the State Reorganisation Act of 1956?

Ans
✗ 1. Rajasthan State

✓ 2. Goa State

✗ 3. Mysore State

✗ 4. Bombay State

Q.10 Which Article of the Indian Constitution directs the State for promotion of cottage industries in rural areas?

Ans
✗ 1. Article 41

✗ 2. Article 36

✗ 3. Article 55

✓ 4. Article 43

Q.11 Which of the following is the first African country to sign the International Solar Alliance (ISA) in April 2025?

Ans
✗ 1. Senegal

✗ 2. Lesotho

✓ 3. Mauritius

✗ 4. Egypt

Q.12 Which of the following plateaus lies between the Western Ghats and Eastern Ghats?

Ans
✗ 1. Chhota Nagpur Plateau

✓ 2. Deccan Plateau

✗ 3. Malwa Plateau

✗ 4. Meghalaya Plateau

Q.13 Which organisation unveiled the strategic report titled 'Designing a Policy for Medium Enterprises' emphasising their role in India's development?

Ans ✗ 1. Reserve Bank of India

✗ 2. Ministry of MSME

✗ 3. Confederation of Indian Industry (CII)

✓ 4. NITI Aayog

Q.14 Which Article of the Indian Constitution deals with the distribution of legislative powers between the Union and the States?

Ans ✗ 1. Article 368

✗ 2. Article 240

✗ 3. Article 280

✓ 4. Article 246

Q.15 What pigment do petunias have that gives them a reddish-purple colour in an acidic environment (low pH)?

Ans ✓ 1. Anthocyanins

✗ 2. Carotenes

✗ 3. Betalains

✗ 4. Lycopene

Q.16 Which of the following organisations oversees the Kutiyattam Kendra located in Thiruvananthapuram, Kerala, India?

Ans ✗ 1. Kerala Tourism Department

✗ 2. Ministry of Education

✗ 3. UNESCO

✓ 4. Ministry of Culture

Q.17 Which of the following officers managed stores and the supply of weapons like spears and swords during the Gupta period?

Ans ✓ 1. Ranabhandagarika

✗ 2. Sandhivigrahika

✗ 3. Kumaramatya

✗ 4. Mahadandanayaka

Q.18 Which two places are in the news due to the approval of Greenfield airports for better connectivity by the Central Government on 5 May 2025?

Ans ✗ 1. Pakyong and Kalaburagi

✗ 2. Navi Mumbai and Itanagar

✓ 3. Kota and Puri

✗ 4. Shirdi and Kannur

Q.19 Who is the director of the Indian entry at the 78th Cannes Film Festival named 'Homebound', starring Janhvi Kapoor, Ishaan Khatter and Vishal Jethwa?

Ans ✓ 1. Neeraj Ghaywan

✗ 2. Karan Johar

✗ 3. Anurag Kashyap

✗ 4. Anurag Basu

Q.20 Why is the net sown area low in hilly states like Himachal Pradesh and Uttarakhand?

Ans ✗ 1. Due to urban expansion

✓ 2. Because of steep slopes and thin soil layers

✗ 3. Because of poor soil fertility

✗ 4. Due to frequent floods

Q.21 Which one of the following Sustainable Development Goals (SDGs) aims to ensure access to affordable, reliable, sustainable and modern energy for all?

Ans ✗ 1. Goal 12

✗ 2. Goal 5

✓ 3. Goal 7

✗ 4. Goal 10

Q.22 According to an official report released in April 2025, AI-based real-time forest monitoring system has been implemented for the first time in which state sensitive forest divisions?

Ans ✗ 1. Assam

✗ 2. Odisha

✗ 3. Gujarat

✓ 4. Madhya Pradesh

Q.23 Which of the following is a primary memory of a computer?

Ans ✗ 1. Hard Disk

✗ 2. CD-ROM

✗ 3. Floppy Disk

✓ 4. RAM

Q.24 Which mineral helps in the formation of insulin granules, digestion, metabolism and functioning of the male prostate?

Ans ✗ 1. Iron

✓ 2. Zinc

✗ 3. Phosphorus

✗ 4. Nickel

Q.25 In India, Red Bull India Private Limited (RBIL) has imported and sold Red Bull Energy Drink and its variants since _____.

Ans ✗ 1. 2005

✓ 2. 2007

✗ 3. 2000

✗ 4. 2002

Q.26 Which of the following Indian space missions captured its first image of a solar flare in February 2025?

Ans ✓ 1. Aditya-L1

✗ 2. AstroSat

✗ 3. Mangalyaan-2

✗ 4. Chandrayaan-3

Q.27 **In 1947, the Indian economy was marked by deep poverty. Which sector dominated the Indian economy at the time of independence?**

Ans ✅ 1. Agricultural sector

❌ 2. Industrial sector

❌ 3. Services sector

❌ 4. Manufacturing sector

Q.28 **In which year did India officially start economic liberalisation?**

Ans ❌ 1. 1995

❌ 2. 2000

❌ 3. 1985

✅ 4. 1991

Q.29 **Select the right bank tributary of the Indus River system.**

Ans ❌ 1. Jhelum River

❌ 2. Ravi River

✅ 3. Kabul River

❌ 4. Chenab River

Q.30 **What is the main function of carbohydrates in the body?**

Ans ❌ 1. It is crucial for growth.

❌ 2. It regulates hormones.

✅ 3. It provides energy.

❌ 4. It insulates the body.

Q.31 **The Lower Palaeolithic period in India, including the Acheulian phase, spans approximately how many years BP?**

Ans ✅ 1. 6,00,000–1,50,000 years BP

❌ 2. 1,65,000–31,000 years BP

❌ 3. 1,00,000–10,000 years BP

❌ 4. 40,000–12,000 years

Q.32 **Who organises Lok Adalats in India?**

Ans ❌ 1. Bar Council of India

✅ 2. National and State Legal Services Authorities

❌ 3. Law Commission of India

❌ 4. Advocate General of State

Q.33 **Which novel earned Percival Everett the Pulitzer Prize for Fiction in 2025?**

Ans ❌ 1. Erasure

❌ 2. The Trees

✅ 3. James

❌ 4. Glyph

Q.34 **In which of the following institutes was 'Shri S. Ramakrishnan Centre of Excellence in Fluid and Thermal Science Research' launched in March 2025?**

Ans ✅ 1. Indian Institute of Technology, Madras

❌ 2. Indian Institute of Technology, Kanpur

❌ 3. Indian Institute of Technology, Bombay

❌ 4. Indian Institute of Technology, Delhi

Q.35 Which of the following states of India has Konkani as a prominently spoken language?

Ans
✗ 1. Assam

✗ 2. Tripura

✓ 3. Goa

✗ 4. Arunachal Pradesh

Q.36 Which of the following is a major difference between planted and natural vegetation?

Ans
✗ 1. Presence of fruits

✗ 2. Place of origin

✓ 3. Human supervision involved

✗ 4. Number of leaves

Q.37 Who is the 52nd Chief Justice of India?

Ans
✗ 1. Justice DY Chandrachud

✗ 2. Justice NV Ramana

✓ 3. Justice BR Gavai

✗ 4. Justice Sanjiv Khanna

Q.38 What does the term 'net sown area' refer to?

Ans
✓ 1. Total area cultivated with crops during the year

✗ 2. Total area under irrigation

✗ 3. Land covered with forests

✗ 4. Land left uncultivated for more than five years

Q.39 What is the main aim of globalisation?

Ans
✗ 1. Limit foreign trade

✗ 2. Reduce employment

✗ 3. Increase local production

✓ 4. Integrate the Indian economy with the world

Q.40 The Non-cooperation Movement in 1920 included all the following, EXCEPT:

Ans
✓ 1. violent attacks on officials

✗ 2. refusal to pay taxes

✗ 3. boycott of British courts

✗ 4. closure of schools and colleges

Section : Mathematics

Q.1 In △ABC, BD ⊥ AC at D and ∠DBC = 60°. E is a point on BC such that ∠CAE = 49°. What is the measure of ∠AEB?

Ans
✗ 1. 80°

✗ 2. 87°

✗ 3. 85°

✓ 4. 79°

Q.2 The average weight of Rupesh, Mandar and Ketan is 45 kg. If the average weight of Rupesh and Mandar is 43 kg and that of Mandar and Ketan is 49 kg, then the weight of Mandar (in kg) is:

Ans
✗ 1. 64

✓ 2. 49

✗ 3. 69

✗ 4. 59

Q.3 Simplify the following.

$$2\left(\left(\frac{5}{2}\right)x^2 - 28x + 17\right) - 5(x^2 + 6x - 18)$$

Ans
✅ 1. −86x + 124

❌ 2. −86x − 124

❌ 3. 86x + 124

❌ 4. 86x − 124

Q.4 Pipe A can fill a tank in 17 hours, pipe B can fill the same tank in 24 hours and pipe C can fill the same tank in 18 hours. The time taken by them to fill the same tank if they operate together is::

Ans
❌ 1. $10\dfrac{78}{191}$ hours

✅ 2. $6\dfrac{78}{191}$ hours

❌ 3. $16\dfrac{78}{191}$ hours

❌ 4. $13\dfrac{78}{191}$ hours

Q.5 Neha, Rajat, and Avinash invest ₹1,430, ₹1,680, and ₹1,340, respectively, to start a business. If the profit at the end of the year is ₹1,780, then what is the share of Avinash in the profit?

Ans
❌ 1. ₹537

✅ 2. ₹536

❌ 3. ₹533

❌ 4. ₹538

Q.6

$By\ how\ much\ is\ 65\%\ of\ 75\ greater\ than\ \dfrac{3}{5}\ of\ 25?$

Ans
❌ 1. 30.75

❌ 2. 31.75

❌ 3. 27.75

✅ 4. 33.75

Q.7 The LCM of the numbers 4.7 and 0.04 is:

Ans
✅ 1. 9.4

❌ 2. 0.94

❌ 3. 94

❌ 4. 0.094

Q.8 A woman travels 488 km at 61 km/hr, a second distance of 468 km at 78 km/hr and a third distance of 210 km at 35 km/hr. Find her average speed for the whole journey (in km/hr).

Ans
❌ 1. 61.1

❌ 2. 68.8

❌ 3. 59.7

✅ 4. 58.3

Q.9 If the third proportional of 50 and 30 is x, then what is the value of x?

Ans ✗ 1. 21

✗ 2. 15

✗ 3. 20

✓ 4. 18

Q.10 If 3 times Mary's present age is 22 years more than 5 times Dia's present age, and 3 times Dia's present age is 2 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Dia?

Ans ✗ 1. 7

✗ 2. 13

✓ 3. 10

✗ 4. 15

Q.11 If the radius of a sphere is increased to twelve times its original radius, then by how many times does its surface area increase?

Ans ✗ 1. 128

✓ 2. 144

✗ 3. 64

✗ 4. 164

Q.12 A man walks to a viewpoint and returns to the starting point by his car maintaining constant speed and thus takes a total time of 4 hours 30 minutes. He would have gained 2 hours by driving both ways. How long would it have taken for him to walk both ways with same walking speed?

Ans ✓ 1. 6 hours 30 minutes

✗ 2. 7 hours 30 minutes

✗ 3. 5 hours 15 minutes

✗ 4. 6 hours 45 minutes

Q.13 The value of $67 - 9 \times [\, 4 + 3 \times \{\, 16 - 8\, (\, 6 - 5\,) \times 2\} \div 32]$ is:

Ans ✗ 1. 40

✗ 2. 25

✓ 3. 31

✗ 4. 47

Q.14 The cost of 10 pens and 3 pencils is ₹129. If the cost of a pen decreases by ₹6 and the cost of a pencil increases by ₹9, then the cost of 8 pens and 2 pencils is ₹72. What is the original cost of 9 pens and 16 pencils?

Ans ✓ 1. ₹156

✗ 2. ₹160

✗ 3. ₹155

✗ 4. ₹161

Q.15 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 3% per month in 4 months.

Ans ✗ 1. 24

✗ 2. 12

✗ 3. 32

✓ 4. 144

Q.16 A book has a marked price of ₹500. During a festive sale, it is sold at a 10% discount. What is the amount of discount given?

Ans
- ✗ 1. ₹60
- ✓ 2. ₹50
- ✗ 3. ₹45
- ✗ 4. ₹40

Q.17 *The value of* $2^2 + \sqrt{5^2} - 3\sqrt{25} - 10$ *is*

Ans
- ✗ 1. -10
- ✓ 2. -16
- ✗ 3. -8
- ✗ 4. -7

Q.18 The sides of a triangle are 72 cm, 90 cm, and 54 cm. What is its area? (in cm^2)

Ans
- ✗ 1. 1973
- ✓ 2. 1944
- ✗ 3. 1912
- ✗ 4. 1954

Q.19 The simple interest on a certain sum for $9\frac{1}{2}$ years at the rate of 5.9% per annum is ₹6,726.

What will be the amount payable on the same sum at the rate of 5.6% per annum simple interest in $3\frac{1}{7}$ years?

Ans
- ✗ 1. ₹14,095
- ✗ 2. ₹14,100
- ✗ 3. ₹14,104
- ✓ 4. ₹14,112

Q.20 The H.C.F. and the L.C.M. of two numbers are 11 and 440, respectively. If one of the numbers is 55, find the other one.

Ans
- ✗ 1. 10
- ✗ 2. 70
- ✗ 3. 14
- ✓ 4. 88

Q.21 Manisha bought a toy for ₹849, decorated it at a cost of ₹6 and sold the toy for ₹441. Find the loss or profit percentage.

Ans
- ✓ 1. $\frac{920}{19}\% \ loss$
- ✗ 2. $920\% \ loss$
- ✗ 3. $\frac{930}{19}\% \ profit$
- ✗ 4. $\frac{920}{19}\% \ profit$

Q.22 The value of $\sqrt{169} + \sqrt{0.0196} - \sqrt{4.41}$ is _____.

Ans
- ✗ 1. 4.52
- ✗ 2. 5.64
- ✓ 3. 11.04
- ✗ 4. 6.17

Q.23 Abdul and Mohsin together invested ₹79,200 in a business. At the end of a total profit of ₹14,400, Mohsin's share was ₹2,600. What was the difference between their investments?

Ans

✗ 1. ₹52,000

✔ 2. ₹50,600

✗ 3. ₹49,800

✗ 4. ₹51,400

Q.24 The income of Raman is ₹91,700. He saves 25% of his income. If his income increases by 27% and expenditure increases by 40%, then his savings will:

Ans

✔ 1. decrease by ₹2,751

✗ 2. increase by ₹2,753

✗ 3. decrease by ₹2,753

✗ 4. increase by ₹2,754

Q.25 Shifa can do a certain piece of work in 30 days. Shifa and Afiya can together do the same work in 18 days, and Shifa, Afiya and Mariyam can do the same work together in 9 days. In how many days can Shifa and Mariyam do the same work?

Ans

✗ 1. $\dfrac{40}{5}$

✗ 2. $\dfrac{37}{4}$

✗ 3. $\dfrac{53}{6}$

✔ 4. $\dfrac{45}{4}$

Q.26 If $\csc\theta + \sin\theta = 2$, then find the value of $\csc^6\theta + \sin^6\theta$.

Ans

✔ 1. 2

✗ 2. 3

✗ 3. $\dfrac{1}{2}$

✗ 4. 1

Q.27 The value of $2^3 - 3^2 + \left(\dfrac{2}{2}\right)^2 - 2 + 4 \times 7 = $ _____.

Ans

✗ 1. 28

✗ 2. 35

✗ 3. 31

✔ 4. 26

Q.28 An article listed at ₹500 is sold at successive discounts of 10% and 14%. The buyer wants to sell it at a profit of 15% after offering a 10% discount. What should be his list price (in ₹)?

Ans

✗ 1. 484.50

✗ 2. 485

✔ 3. 494.50

✗ 4. 474

Q.29 A trader claims to sell pulses at a profit of 48%, but also dishonestly uses a weight which is 12% less than what is mentioned on it. Find the total percentage of profit earned by the trader. (Round off the answer to the nearest whole number.)

Ans

✗ 1. 63%

✗ 2. 71%

✔ 3. 68%

✗ 4. 72%

Q.30 The sum of five numbers is 655. The average of the first two numbers is 80 and the third number is 108. Find the average of the remaining two numbers.

Ans

✗ 1. 189

✔ 2. 193.5

✗ 3. 194.5

✗ 4. 188

Section : General Intelligence and Reasoning

Q.1 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 4562734, what will be difference between the highest and lowest digits in the number thus formed?

Ans

✗ 1. 5

✗ 2. 4

✔ 3. 6

✗ 4. 7

Q.2 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.

CURD - RCUD - DRUC
KIDS - DKIS - SDIK

Ans

✗ 1. SLAY - ASLY - LAYS

✗ 2. PEAT - EPAT - TEAP

✗ 3. TEAM - TAEM - MAET

✔ 4. WASH - SWAH - HSAW

Q.3 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only two people sit to the left of K. Only three people sit between K and L. Only one person sits between L and J. N sits to the immediate left of I. M is not an immediate neighbour of L. How many people sit to the right of O?

Ans

✗ 1. Four

✗ 2. Two

✗ 3. Three

✔ 4. One

Q.4 HLOY is related to KNRA in a certain way based on the English alphabetical order. In the same way, TTAG is related to WVDI. To which of the given options is CZJM related, following the same logic?

Ans

✗ 1. FBOM

✗ 2. FOMB

✔ 3. FBMO

✗ 4. FMOB

Q.5 Riya starts from Point P and drives 8 km towards the south. Then she takes a right turn, drives 11 km, she turns right again and drives 14 km. She then takes a right turn and drives 15 km. Then she takes left turn and drives 2 km, she takes a left turn again and drives 4 km and stops at Point Q. How far (shortest distance) and towards which direction should she drive in order to reach Point P again? (All turns are 90-degree turns only unless specified.)

Ans ✘ 1. 4 km towards the south

✘ 2. 4 km towards the north

✔ 3. 8 km towards the south

✘ 4. 6 km towards the north

Q.6 In a certain code language, 'DONT' is coded as '1097' and 'NATO' is coded as '0187'. What is the code for 'A' in the given code language?

Ans ✘ 1. 7

✘ 2. 0

✔ 3. 8

✘ 4. 1

Q.7 This question is based on five, four-digit numbers given below.

(Left) 4138 2345 6367 5353 1276 (Right)

(Example: 6975 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 5)
(NOTE: All operations to be done from left to right.)

What will be the resultant if the second digit of the second largest number is multiplied to the second digit of the largest number?

Ans ✘ 1. 5

✘ 2. 6

✘ 3. 7

✔ 4. 9

Q.8 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. KO-RN

✘ 2. NR-UP

✘ 3. AE-HC

✘ 4. QU-XS

Q.9 Town T is to the west of Town S. Town U is to the south of Town T. Town V is to the west of Town U. Town W is to the south of Town V. Town X is to the west of Town W. What is the position of Town X with respect to Town S?

Ans ✔ 1. Southwest

✘ 2. Southeast

✘ 3. Northwest

✘ 4. Northeast

Q.10 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

USR ROT OKV LGX ?

Ans ✘ 1. IDS

✔ 2. ICZ

✘ 3. JWZ

✘ 4. LKX

Q.11 What should come in place of the question mark (?) in the given series?

561 560 562 561 563 562 564 ?

Ans ✗ 1. 562

✗ 2. 564

✓ 3. 563

✗ 4. 565

Q.12 Seven boxes F, G, H, M, N, O and P are kept one over the other but not necessarily in the same order. O is kept immediately above F. G is kept immediately above M. Only P is kept above N. Only two boxes are kept above O. G is not kept at third position from the bottom. How many boxes are kept between H and P?

Ans ✗ 1. Four

✓ 2. Three

✗ 3. Two

✗ 4. One

Q.13 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

32 B 5 C 63 B 5 D 89 C 9 A 9 D 7 = ?

Ans ✗ 1. 293

✓ 2. 380

✗ 3. 349

✗ 4. 308

Q.14 In a certain code language, 'LOAD' is coded as '5364' and 'GOLD' is coded as '4136'. What is the code for 'G' in the given code language?

Ans ✗ 1. 6

✗ 2. 4

✓ 3. 1

✗ 4. 3

Q.15 In a certain code language,
'A ¥ B' means 'A is the father of B',
'A # B' means ' A is the brother of B',
'A % B' means 'A is the son of B' and
'A = B' means 'A is the wife of B'.

How is A related to D if 'A = S # G % E ¥ D'?

Ans ✓ 1. Brother's wife

✗ 2. Sister's brother

✗ 3. Sister's son

✗ 4. Brother's son

Q.16 Karan, Shiv, Ritu, Himani, Gunjan and Pari are sitting in a straight line, facing north. Karan sits third to the left of Himani. Himani sits second from the right end. Pari sits to the immediate left of Gunjan. Shiv does not sit next to Karan. Who sits second to the right of Gunjan?

Ans ✗ 1. Karan

✓ 2. Shiv

✗ 3. Ritu

✗ 4. Himani

Q.17 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 forks are spoons. Some forks are caps.

Conclusions (I): Some spoons are caps.
Conclusions (II): All caps are forks.

Ans ✗ 1. Both conclusions (I) and (II) follow.

✗ 2. Neither conclusion (I) nor (II) follows.

✓ 3. Only conclusion (I) follows.

✗ 4. Only conclusion (II) follows.

Q.18 RBNH is related to LVHB in a certain way based on the English alphabetical order. In the same way, TDPJ is related to NXJD. To which of the given options is BLXR related, following the same logic?

Ans ✗ 1. VFLR

✗ 2. VRFL

✓ 3. VFRL

✗ 4. VLRF

Q.19 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/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(48, 26, 15)
(88, 46, 25)

Ans ✗ 1. (12, 6, 7)

✗ 2. (58, 34, 19)

✗ 3. (36, 20, 8)

✓ 4. (24, 14, 9)

Q.20 Each of the digits in the number 67849315 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

Ans ✗ 1. 9

✓ 2. 10

✗ 3. 7

✗ 4. 11

Q.21 Refer to the following number, symbol series and answer the question that follow. Counting to be done from left to right only.

(Left) 6 \ & > 3 @ 8 * & @ 7 1 ^ @ 4 ? \ ? 4 5 < (Right)

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

Ans ✗ 1. Two

✗ 2. Four

✓ 3. Three

✗ 4. One

Q.22 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 gardens are forests.
All forests are meadows.

Conclusions:
(I) All gardens are meadows.
(II) All meadows are forests.

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.23 Mr. Toni ranked 94th from the bottom and 65th from the top in his class. How many students are there in his class?

Ans
✘ 1. 159

✘ 2. 156

✘ 3. 157

✔ 4. 158

Q.24 What should come in place of the question mark (?) in the given series?

19 42 78 122 179 ?

Ans
✘ 1. 234

✔ 2. 244

✘ 3. 243

✘ 4. 204

Q.25 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. NIO

✘ 2. KFM

✘ 3. TOV

✘ 4. QLS

Q.26 What should come in place of the question mark (?) in the given series?

154 181 208 ? 262 289

Ans
✘ 1. 242

✔ 2. 235

✘ 3. 228

✘ 4. 260

Q.27 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

LSP 15 OOO 12 RKN 9 UGM 6 ?

Ans
✘ 1. DLV 4

✔ 2. XCL 3

✘ 3. DSR 9

✘ 4. XLC 7

Q.28 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 pair.)

Ans ✅ 1. KO-RW

❌ 2. IM-PT

❌ 3. MQ-TX

❌ 4. FJ-MQ

Q.29 What will come in place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

$14 ÷ 4 + 78 × 13 − 13 = ?$

Ans ❌ 1. 65

❌ 2. 55

✅ 3. 63

❌ 4. 58

Q.30 Raj ranked 35th from the top and 27th from the bottom in his class. How many students are there in his class?

Ans ❌ 1. 60

❌ 2. 62

❌ 3. 63

✅ 4. 61