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	07/08/2025
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.

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 **The Kopili Hydro Electric Project is located in which Indian state?**

Ans
✔ 1. Assam
✘ 2. Sikkim
✘ 3. Meghalaya
✘ 4. Arunachal Pradesh

Q.2 **Which folk dance of Himachal Pradesh was recognised in the Guinness Book of World Records (2015) for having the largest number of participants performing simultaneously at a single venue?**

Ans
✘ 1. Kiang
✘ 2. Kharait
✘ 3. Kinnauri
✔ 4. Kullu Nati

Q.3 **Which of the following is the correct descending order of ministerial ranks in the Union Council of Ministers, as per Indian practice?**

Ans
✘ 1. Cabinet Minister → Deputy Minister → Minister of State
✘ 2. Minister of State → Cabinet Minister → Deputy Minister
✘ 3. Deputy Minister → Minister of State → Cabinet Minister
✔ 4. Cabinet Minister → Minister of State → Deputy Minister

Q.4 **The Bhabar region lies in which part of the Great Plains?**

Ans
✘ 1. West of Indus plain
✘ 2. Along the Brahmaputra basin
✘ 3. Just south of the Terai
✔ 4. Adjacent to the foothills of the Himalayas

Q.5 **Which of the following important Indian festivals was observed on 13th and 14th March 2025?**

Ans
✘ 1. Eid-ul-Fitr
✘ 2. Diwali
✘ 3. Raksha Bandhan
✔ 4. Holi

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Q.6 Which issue did the World Economic Forum highlight as the top immediate global threat in its 2025 Global Risks Report published in January 2025?

Ans
✗ 1. Escalating cyberattacks
✗ 2. Instability in global markets
✓ 3. State-based armed conflict
✗ 4. Resurgence of pandemics

Q.7 Geographically, Bhutan is divided into four regions. Which of the following is NOT a name of those divisions?

Ans
✗ 1. Western
✓ 2. Northern
✗ 3. Eastern
✗ 4. Southern

Q.8 The Parthians originated from which of the following countries?

Ans
✓ 1. Iran
✗ 2. Saudi Arabia
✗ 3. Iraq
✗ 4. Turkey

Q.9 Who among the following was honoured as the International Cricket Council (ICC) Men's Cricketer of the Year for outstanding performance in 2024?

Ans
✗ 1. Rohit Sharma
✓ 2. Jasprit Bumrah
✗ 3. Mohammad Sami
✗ 4. Virat Kohli

Q.10 Which technology uses acoustic waves to locate objects in the ocean?

Ans
✓ 1. Sonar
✗ 2. LiDAR
✗ 3. Echo-sounder
✗ 4. SAR

Q.11 India's first exploration licence auction and AI-Driven Mineral Targeting Hackathon was launched in:

Ans
✓ 1. Goa
✗ 2. Andhra Pradesh
✗ 3. Telangana
✗ 4. Maharashtra

Q.12 What is the name of the patented respiratory device developed by AIIMS Raipur to curb airborne infections in May 2025?

Ans
✗ 1. AirGuard
✗ 2. RespiraSafe
✓ 3. HOAC Combo
✗ 4. OxyShield

Q.13 In post 1991 reforms, the term 'disinvestment' refers to:

Ans
✓ 1. selling government's share in public sector companies
✗ 2. reducing agricultural subsidies
✗ 3. reducing foreign trade
✗ 4. increasing taxes

Q.14 Which British law was a major influence on the Indian Constitution's institutional framework?

Ans
- ✔ 1. Government of India Act, 1935
- ✘ 2. Rowlatt Act, 1919
- ✘ 3. Indian Councils Act, 1909
- ✘ 4. Indian Independence Act, 1947

Q.15 Which if the following is a landmark judgement of Justice Bela Trivedi, whose official retirement is scheduled for June 2025?

Ans
- ✘ 1. Challenge to the Abrogation of Article 370
- ✔ 2. Ruling on POCSO Act
- ✘ 3. Euthanasia and the Right to Die with Dignity
- ✘ 4. Validity of Unstamped Arbitration Agreement

Q.16 In the Pallava administration, which was the smallest administrative unit directly managed by local self-governing assemblies?

Ans
- ✘ 1. Nadu
- ✘ 2. Mandala
- ✔ 3. Ur
- ✘ 4. Kottam

Q.17 Which of the following is NOT a characteristic of acids?

Ans
- ✘ 1. They turn blue litmus red.
- ✘ 2. They have a sour taste.
- ✔ 3. They release OH^- ions in water.
- ✘ 4. They react with bases to form salt and water.

Q.18 Narayana Guru, a social reformer who led a massive movement against the discrimination of the lower castes, was from the state of:

Ans
- ✘ 1. West Bengal
- ✘ 2. Madhya Pradesh
- ✔ 3. Kerala
- ✘ 4. Andhra Pradesh

Q.19 Why can Gross Enrollment Ratio (GER) sometimes exceed 100%?

Ans
- ✘ 1. Due to school mergers in rural areas
- ✘ 2. Due to inclusion of post-graduate students
- ✔ 3. Due to enrollment of learners outside the official age group
- ✘ 4. Because of errors in census data

Q.20 Which of the following actions will permanently delete a file from an MS Windows system, bypassing the Recycle Bin?

Ans
- ✘ 1. Dragging the file to the Recycle Bin
- ✘ 2. Right-clicking on the file and selecting 'Delete'
- ✔ 3. Selecting the file and pressing Shift + Delete keys
- ✘ 4. Pressing the Delete key

Q.21 Which city is constructing a 27-metre-tall clock tower at Talkatora Roundabout to enhance its architectural identity?

Ans
- ✘ 1. Jaipur
- ✔ 2. New Delhi
- ✘ 3. Mumbai
- ✘ 4. Kolkata

Q.22 Which key combination is commonly used in Windows OS to open the Task Manager?

Ans
✗ 1. Alt + Tab
✗ 2. Alt + F4
✓ 3. Ctrl + Shift + Esc
✗ 4. Ctrl + Tab

Q.23 From the 11th through the 18th centuries, what type of literature was the most prominent in medieval India?

Ans
✗ 1. Theatrical historical performances
✓ 2. Devotional poetry
✗ 3. Elaborate philosophical discussions
✗ 4. Specialised scientific writings

Q.24 In which of the following years was the Right to Information Act passed?

Ans
✗ 1. 1999
✓ 2. 2005
✗ 3. 1973
✗ 4. 2007

Q.25 The 'Kundara Proclamation' which openly called for taking up arms against the British, is associated with which of the following freedom fighters?

Ans
✓ 1. Velu Thampi
✗ 2. Wazir Ali Khan
✗ 3. Gajapatiraju
✗ 4. Kattabomman Nayakan

Q.26 In which of the following years did Vodafone start its journey in India?

Ans
✓ 1. 2007
✗ 2. 2005
✗ 3. 2009
✗ 4. 2002

Q.27 Which state is leading with the highest number of solar power installations under PM Surya Ghar Muft Bijli Yojana (PMSGMBY) by March 2025?

Ans
✗ 1. Maharashtra
✗ 2. Uttar Pradesh
✓ 3. Gujarat
✗ 4. Tamil Nadu

Q.28 Which company received the 'Champion Company' award at the inaugural CII Awards for Excellence in Disability Inclusion in 2025?

Ans
✗ 1. Amazon
✗ 2. Zomato
✓ 3. Wipro Limited
✗ 4. Minda Corporation

Q.29 In April 2025, the Cabinet Committee on Economic Affairs has approved the development of a Greenfield High-Speed Corridor connecting which two states on NH-06 under Hybrid Annuity Mode (HAM)?

Ans
✗ 1. Manipur and Mizoram
✗ 2. Tripura and Mizoram
✓ 3. Meghalaya and Assam
✗ 4. Assam and Nagaland

Q.30 To control over district courts and subordinate judiciary lies with which of the following?

Ans
- ✗ 1. President of India
- ✓ 2. High Court
- ✗ 3. State Government
- ✗ 4. Supreme Court of India

Q.31 In May 2025, who was appointed as Secretary, Department of Revenue, Ministry of Finance?

Ans
- ✓ 1. Arvind Shrivastava
- ✗ 2. Shankar Lal Kumawat
- ✗ 3. Smarak Swain
- ✗ 4. Ajay Seth

Q.32 On 21 May 2025, the Director General of Health Services (DGHS) in Delhi was appointed to oversee the implementation of which two major healthcare initiatives?

Ans
- ✗ 1. PM-JAY and National Digital Health Mission
- ✗ 2. Fit India Movement and Swachh Bharat Abhiyan
- ✗ 3. National Health Stack and eSanjeevani
- ✓ 4. Ayushman Bharat Health Infrastructure Mission and Ayushman Arogya Mandir

Q.33 In which of the following years was the Pradhan Mantri Gram Sadak Yojana (PMGSY) launched by the Government of India to provide connectivity to unconnected habitations as part of a poverty reduction strategy?

Ans
- ✗ 1. 2002
- ✗ 2. 1997
- ✗ 3. 2005
- ✓ 4. 2000

Q.34 When was the Basel Convention adopted on the Control of Transboundary Movements of Hazardous Wastes and their Disposal?

Ans
- ✗ 1. 1991
- ✓ 2. 1989
- ✗ 3. 1995
- ✗ 4. 1993

Q.35 To pass a Constitutional Amendment Bill in the Lok Sabha, which of the following correctly states the minimum support required?

Ans
- ✗ 1. Two-thirds majority of the total membership of the House
- ✗ 2. Simple majority of Lok Sabha members and two-thirds of Rajya Sabha members present and voting
- ✗ 3. Unanimous vote of all Members of Parliament
- ✓ 4. Majority of the total membership and two-thirds of members present and voting

Q.36 Where is the headquarters of the North Western Railway zone located?

Ans
- ✓ 1. Jaipur
- ✗ 2. Hubli
- ✗ 3. New Delhi
- ✗ 4. Hajipur

Q.37 Which of the following zones receives vertical rays of the Sun throughout the year?

Ans
✗ 1. Frigid
✗ 2. Temperate
✓ 3. Tropical
✗ 4. Polar

Q.38 According to the PLFS Annual Report (July 2023–June 2024), which Indian state made history in 2025 by becoming the first to achieve full literacy?

Ans
✗ 1. Sikkim
✓ 2. Mizoram
✗ 3. Himachal Pradesh
✗ 4. Kerala

Q.39 Which of the following was the first state to be formed on linguistic basis after severe agitation and the death of a protester?

Ans
✗ 1. Telangana
✗ 2. Kerala
✓ 3. Andhra Pradesh
✗ 4. Tamil Nadu

Q.40 In which of the following groups does hydrogen belong?

Ans
✗ 1. Group 2
✗ 2. Group 17
✓ 3. Group 1
✗ 4. Group 18

Section : **Mathematics**

Q.1 Train A leaves station M at 7:50 a.m. and reaches station N at 2:50 p.m. on the same day. Train B leaves station N at 9:50 a.m. and reaches station M at 2:50 p.m. on the same day. Find the time when Trains A and B meet.

Ans
✗ 1. 10:47 p.m.
✓ 2. 11:55 a.m.
✗ 3. 9:47 p.m.
✗ 4. 5:00 a.m.

Q.2 What smallest number should be added to 4519 so that the sum is completely divisible by 30?

Ans
✗ 1. 6
✗ 2. 10
✗ 3. 13
✓ 4. 11

Q.3 The product of two positive numbers is 2880. If the first number is five times of the second number, then the sum of the two numbers is:

Ans
✗ 1. 137
✗ 2. 150
✗ 3. 164
✓ 4. 144

Q.4 The population of a district is 351000, out of which 164000 are males. 14% of the population is literate. If 14% males are literate, then what percentage of females are literate?

Ans
- ✗ 1. 12%
- ✓ 2. 14%
- ✗ 3. 16%
- ✗ 4. 17%

Q.5 Two numbers have HCF 6 and LCM 36. If the difference between the two numbers is 30, what are the two numbers?

Ans
- ✗ 1. 12 and 42
- ✗ 2. 24 and 54
- ✓ 3. 6 and 36
- ✗ 4. 18 and 48

Q.6 Sapna invested ₹20,900 on simple interest, partly at 10% per annum and partly at 9% per annum. If she earns equal interests from the two investments after 5 years, then find the sum invested at 10% per annum (in ₹).

Ans
- ✗ 1. 9,902
- ✗ 2. 9,903
- ✓ 3. 9,900
- ✗ 4. 9,899

Q.7 Simplify the following.

$$3\left(\left(\frac{4}{3}\right)x^2 - 30x + 18\right) - 4(x^2 + 8x - 14)$$

Ans
- ✗ 1. 122x − 110
- ✓ 2. −122x + 110
- ✗ 3. 122x + 110
- ✗ 4. −122x − 110

Q.8 Which of the following ratios is the greatest?

Ans
- ✓ 1. 40 : 51
- ✗ 2. 44 : 74
- ✗ 3. 42 : 70
- ✗ 4. 22 : 76

Q.9 Sakshi bought a toy for ₹456, decorated it at a cost of ₹20 and sold the toy for ₹612. Find the loss or profit percentage.

Ans
- ✗ 1. $\frac{210}{7}\%\ loss$
- ✓ 2. $\frac{200}{7}\%\ profit$
- ✗ 3. $200\%\ profit$
- ✗ 4. $\frac{200}{7}\%\ loss$

Q.10 If the interest earned during the 2nd year on a certain sum is ₹6,786, and the rate of interest is 20% per annum compounded annually, then the sum is:

Ans
✔ 1. ₹28,275
✘ 2. ₹28,035
✘ 3. ₹27,795
✘ 4. ₹28,905

Q.11 Which of the following numbers divides 253118139?

Ans
✘ 1. 12
✘ 2. 5
✔ 3. 3
✘ 4. 8

Q.12 A sells a MacBook to B at a loss of 60% and B sells the MacBook to C at a profit of 25%. If C purchased the MacBook for ₹47,236, then what was the cost (in ₹) of the MacBook for A?

Ans
✔ 1. 94,472
✘ 2. 94,468
✘ 3. 94,478
✘ 4. 94,467

Q.13 The average of first 170 even numbers is

Ans
✔ 1. 171
✘ 2. 172
✘ 3. 171.5
✘ 4. 170.5

Q.14 ₹58,300 were divided among A, B and C, such that 4 times of A = 9 times of B = 3 times of C. Find the share of A.

Ans
✘ 1. ₹20,919
✘ 2. ₹21,125
✘ 3. ₹20,901
✔ 4. ₹20,988

Q.15 A shirt is marked at ₹900. After a discount of 10%, it is sold. Find the selling price.

Ans
✘ 1. ₹850
✘ 2. ₹820
✘ 3. ₹800
✔ 4. ₹810

Q.16 Find the value of $50^{-13} \div 50^{15} \times 50^{-11}$.

Ans
✘ 1. 50^{-35}
✔ 2. 50^{-39}
✘ 3. 50^{-49}
✘ 4. 50^{-36}

Q.17 A number, when increased by 70%, gives 3910. The number is:

Ans
✘ 1. 6900
✘ 2. 1150
✘ 3. 4600
✔ 4. 2300

Q.18 If 2 times the mother's age is 26 years more than 4 times her daughter's age, and 3 times the daughter's age is 2 years less than the mother's age, then what is the difference (in years) between the ages of the mother and the daughter?

Ans
- ✔ 1. 24
- ✘ 2. 25
- ✘ 3. 22
- ✘ 4. 27

Q.19 ABCD is a trapezium in which BC ∥ AD and AC = CD. If ∠ABC = 18° and ∠BAC = 93°, then what is the measure of ∠ACD (in degree)?

Ans
- ✘ 1. 37°
- ✔ 2. 42°
- ✘ 3. 51°
- ✘ 4. 50°

Q.20 Given that $4^{0.72} = x$, $4^{0.86} = y$ and $x^z = y^8$, then the value of z is close to:

Ans
- ✔ 1. 9.56
- ✘ 2. 11.98
- ✘ 3. 8.43
- ✘ 4. 9.68

Q.21 The average weight (in kg) of a family of five members whose weights are 40 kg, 49 kg, 56 kg, 75 kg and 39 kg is:

Ans
- ✘ 1. 50.8
- ✔ 2. 51.8
- ✘ 3. 52.8
- ✘ 4. 53.8

Q.22 The marked price of a stainless-steel bottle is ₹1,200. After applying two successive discounts of 10% and 5%, what is the selling price?

Ans
- ✘ 1. ₹1,106
- ✘ 2. ₹1,052
- ✔ 3. ₹1,026
- ✘ 4. ₹1,116

Q.23 An equilateral triangle has each side measuring 13 cm; find its perimeter.

Ans
- ✘ 1. 30 cm
- ✔ 2. 39 cm
- ✘ 3. 26 cm
- ✘ 4. 42 cm

Q.24 Anjali can do a certain piece of work in 30 days. Anjali and Ayushi can together do the same work in 18 days, and Anjali, Ayushi and Ankita can do the same work together in 9 days. In how many days can Anjali and Ankita do the same work together?

Ans
- ✔ 1. $\frac{45}{4}$
- ✘ 2. $\frac{35}{4}$
- ✘ 3. $\frac{44}{5}$
- ✘ 4. $\frac{53}{6}$

Q.25 A can lay railway track between two given stations in 19 days and B can do the same job in 16 days. With the help of C, they did the job in 5 days only. Then, C alone can do the job in

Ans

✔ 1. $11\frac{101}{129} days$

✘ 2. $13\frac{101}{129} days$

✘ 3. $20\frac{101}{129} days$

✘ 4. $9\frac{101}{129} days$

Q.26 A, B and C invest a sum in the ratio of 63 : 35 : 42, respectively. If they earned a total profit of ₹5,120 at the end of the year, then what is the difference between share of B and C?

Ans

✘ 1. ₹274

✘ 2. ₹340

✘ 3. ₹221

✔ 4. ₹256

Q.27 The number 245015 is divisible by which of the following?

Ans

✘ 1. 2

✘ 2. 15

✔ 3. 5

✘ 4. 11

Q.28 Find the circumference (in m) of the largest circle that can be drawn completely inside a rectangle whose dimensions are given as 126 m and 226 m.

$\left(\text{Take } \pi = \frac{22}{7}.\right)$

Ans

✘ 1. 395

✔ 2. 396

✘ 3. 401

✘ 4. 389

Q.29 A man goes to Lucknow from Kanpur at a speed of 72 km/hr and returns to Kanpur at speed of 90 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

Ans

✔ 1. 80

✘ 2. 83

✘ 3. 76

✘ 4. 79

Q.30 Simplify: $\sec^2\beta - \frac{1}{\text{cosec}^2\beta - 1}$

Ans

✘ 1. 0

✘ 2. $\sec\beta$

✔ 3. 1

✘ 4. $\text{cosec}\beta$

Section : **General Intelligence and Reasoning**

Q.1 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) © & 9 4 5 # 6 2 $ © 8 2 £ @ & # 5 £ % & # 1 (Right)

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

Ans
- ✗ 1. 2
- ✓ 2. 3
- ✗ 3. 5
- ✗ 4. 4

Q.2 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. L sits to the immediate right of D. Only three people sit between L and C when counted from the left of L. Only three people sit between D and J. A sits to the immediate right of K.
How many people sit between D and K when counted from the right of K?

Ans
- ✗ 1. Three
- ✗ 2. Four
- ✗ 3. Two
- ✓ 4. One

Q.3 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. GL-HF
- ✗ 2. KP-LI
- ✗ 3. MR-NK
- ✗ 4. IN-JG

Q.4 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 6243514, what will be difference between the highest and lowest digits in the number thus formed?

Ans
- ✗ 1. 6
- ✓ 2. 7
- ✗ 3. 8
- ✗ 4. 5

Q.5 What should come in place of the question mark (?) in the given series?
84, 85, 87, 91, 99, ?

Ans
- ✗ 1. 511
- ✓ 2. 115
- ✗ 3. 125
- ✗ 4. 254

Q.6 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?

(117 A 3) C (119 A 7) C 24 D 6 C (117 A 13) B 2 = ?

Ans
- ✗ 1. 108
- ✓ 2. 92
- ✗ 3. 100
- ✗ 4. 98

Q.7 What will come in the place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

25 ÷ 6 − 8 + 20 × 4 = ?

Ans
1. 152
2. 153
3. 154
4. 151

Q.8 In a certain code language, 'LEFT' is coded as '5427' and 'EARS' is coded as '6153'. What is the code for 'E' in the given code language?

Ans
1. 5
2. 6
3. 4
4. 3

Q.9 Rajeev starts from Point A and drives 8 km towards east. He then takes a left turn, drives 4 km, turns left and drives 4 km. He then takes a left turn and drives 11 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans
1. 9 km towards south
2. 7 km towards west
3. 7 km towards north
4. 9 km towards north

Q.10 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

COB 5, EQD 10, GSF 15, IUH 20, ?

Ans
1. JWI 25
2. JVI 22
3. KWJ 25
4. KVJ 22

Q.11 In a certain code language,
'A = B' means 'A is the wife of B',
'A ¥ B' means 'A is the father of B',
'A # B' means ' A is the brother of B' and
'A % B' means 'A is the mother of B'.
How is D related to A if 'D % E = L ¥ T # A'?

Ans
1. Mother's mother
2. Mother's brother
3. Mother's father
4. Mother's sister

Q.12 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).

Statements:

All meters are compasses.
All compasses are scales.

Conclusions:

(I) Some scales are compasses.
(II) All meters are scales.

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.13 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.)

(75, 62, 49)
(61, 48, 35)

Ans
1. (73, 60, 53)
2. (48, 24, 12)
3. (92, 79, 66)
4. (66, 52, 41)

Q.14 ETHC is related to XOMJ in a certain way based on the English alphabetical order. In the same way, CZBE is related to VUGL. To which of the given options is HKQZ related, following the same logic?

Ans
1. AVGF
2. AFGV
3. AFVG
4. AVGH

Q.15 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 one 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. MG-PK
2. EY-HC
3. KE-MI
4. ZT-CX

Q.16 CFJP is related to GJMS in a certain way based on the English alphabetical order. In the same way, SVVB is related to WZYE. To which of the given options is EHEK related, following the same logic?

Ans
1. LNHG
2. LIHN
3. ILHN
4. LINJ

Q.17 Refer to the following number and symbol series and answer the question that follows. All number are single-digit numbers. Counting to be done from left to right only.

(Left) 5 # % 2 ^ @ 3 & 1 $ 7 Ω 5 2 # 6 * 1 9 (Right)

How many symbols in the series are immediately preceded by a number and immediately followed by a symbol?

Ans
✗ 1. More than two
✗ 2. One
✓ 3. Two
✗ 4. None

Q.18 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:
Some kites are hats.
No hat is a bat.

Conclusions:
(I): Some kites are bats.
(II): Some hats are kites.

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

KDU 94, HIQ 107, ENM 120, BSI 133, YXE 146, ?

Ans
✗ 1. UDB 159
✗ 2. WBZ 161
✗ 3. WDC 161
✓ 4. VCA 159

Q.20 Nushrat ranked 12^{th} from the bottom and 21^{st} from the top in his class. How many students are there in his class?

Ans
✓ 1. 32
✗ 2. 30
✗ 3. 31
✗ 4. 33

Q.21 Each of the digits in the number 81374569 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

Ans
✗ 1. Three
✓ 2. One
✗ 3. Two
✗ 4. None

Q.22 VR 27 is related to YU 32 in a certain way. In the same way, MI 9 is related to PL 14. To which of the following is GC 13 related, following the same logic?

Ans
✗ 1. MP 18
✓ 2. JF 18
✗ 3. JK 16
✗ 4. JF 22

Q.23 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between C and D when counted from the right of C. Only one person sits between D and A. Only one person sits between C and B. Only two people sit between F and A. Only one person sits between E and B. How many people sit between E and G when counted from the left of G?

Ans
- ✔ 1. 2
- ✘ 2. 1
- ✘ 3. 4
- ✘ 4. 3

Q.24 Amit ranked 34^{th} from the top and 45^{th} from the bottom in his class. How many students are there in his class?

Ans
- ✘ 1. 79
- ✘ 2. 77
- ✔ 3. 78
- ✘ 4. 76

Q.25 Town B is to the south of Town A. Town C is to the west of Town A. Town D is to the west of Town C. Town E is to the north of Town D and also to the south of Town F. What is the position of Town F with respect to Town D?

Ans
- ✔ 1. North
- ✘ 2. East
- ✘ 3. South
- ✘ 4. West

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

86 88 92 100 116 ?

Ans
- ✔ 1. 148
- ✘ 2. 180
- ✘ 3. 132
- ✘ 4. 144

Q.27 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. NE - RK
- ✔ 2. PA - TH
- ✘ 3. XK - BQ
- ✘ 4. QI - UO

Q.28 What should come in place of the question mark (?) in the given series?

7 7 10 18 33 ?

Ans
- ✘ 1. 69
- ✘ 2. 64
- ✔ 3. 57
- ✘ 4. 61

Q.29 In a row of 47 students facing North, Sonika is 18^{th} from the left end. If Dhruv is 11^{th} to the right of Sonika, what is Dhruv's position from the right-end of the line?

Ans
1. 20^{th}
2. 18^{th}
3. 21^{st}
4. 19^{th}

Q.30 In a certain code language, 'YOUR' is coded as '4628' and 'UNIT' is coded as '1385'. What is the code for 'U' in the given code language?

Ans
1. 1
2. 8
3. 3
4. 2