



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	28/08/2025
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 Which of the following Constitutional provisions can be amended by an ordinary Act of Parliament (simple majority), rather than through the special procedure under Article 368?

- Ans**
- ☒ 1. Article 2 (Parliament may by law admit new states)
 - ☐ 2. Article 356 (President's Rule in states)
 - ☐ 3. Article 368 (the Amendment procedure itself)
 - ☐ 4. Article 14 (equality before law)

Q.2 Which shortcut key opens System Settings quickly in Windows 10/11?

- Ans**
- ☐ 1. Alt + F4
 - ☐ 2. Ctrl + Alt + Del
 - ☐ 3. Windows + D
 - ☒ 4. Windows + I

Q.3 Which book written in Kannada received the 2025 International Booker Prize?

- Ans**
- ☐ 1. The Girl with the Seven Lives
 - ☐ 2. Diotima
 - ☒ 3. Heart Lamp
 - ☐ 4. Cascades

Q.4 Through which of the following states do the Western Ghats pass?

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Bihar
 - ☒ 3. Tamil Nadu
 - ☐ 4. Uttar Pradesh

Q.5 Which of the following agencies collaborated on India's first Quantum Key Distribution over a Multi-Core Fibre in 2025?

- Ans**
- ☐ 1. CSIR & ISRO
 - ☐ 2. DRDO & IIT-B
 - ☒ 3. C-DOT & Sterlite Technologies Ltd.
 - ☐ 4. NIC & BEL

Q.6 Article 371A of the Indian Constitution grants special provisions for the state of _____.

- Ans**
- ☐ 1. Punjab
 - ☐ 2. Rajasthan
 - ☒ 3. Nagaland
 - ☐ 4. Kerala

Q.7 The famous slogan "Swaraj is my birthright and I shall have it " was given by _____.

- Ans**
- ☐ 1. Mahatma Gandhi
 - ☒ 2. Bal Gangadhar Tilak
 - ☐ 3. Subhas Chandra Bose
 - ☐ 4. Dadabhai Naoroji

Q.8 During 1950–1990, India mainly exported which type of goods?

- Ans**
- ☐ 1. Automobiles
 - ☒ 2. Primary products
 - ☐ 3. Capital goods
 - ☐ 4. Crude oil

Q.9 During the Chola rule, which of the following was the land donated to Jaina institutions?

- Ans**
- ☒ 1. Pallichchhandam
 - ☐ 2. Tirunamattukkani
 - ☐ 3. Shalabhoga
 - ☐ 4. Vellanvagai

Q.10 Which of the following indicators is NOT directly included in the calculation of the Human Development Index (HDI)?

- Ans**
- ☐ 1. Life expectancy at birth
 - ☒ 2. Infant mortality rate
 - ☐ 3. Mean years of schooling
 - ☐ 4. Gross National Income per capita

Q.11 In April 2025, DOT announced funding of two specialised national testbeds for 6G R&D. One focuses on THz communication; which domain does the other explore?

- Ans**
- ☐ 1. Visible-light communication
 - ☐ 2. Satellite backhaul
 - ☒ 3. Advanced optical communication
 - ☐ 4. Quantum key distribution

Q.12 Proteins are mainly responsible for which of the following?

- Ans**
- ☐ 1. Providing quick energy
 - ☒ 2. Growth and repair of tissues
 - ☐ 3. Improving digestion
 - ☐ 4. Enhancing memory power

Q.13 Where was the bilateral naval exercise SLINEX 24 conducted between India and Sri Lanka in December 2024?

- Ans**
- ☒ 1. Visakhapatnam
 - ☐ 2. Colombo
 - ☐ 3. Kochi
 - ☐ 4. Chennai

Q.14 Why is canal irrigation more suitable in the northern plains of India?

- Ans**
- ☐ 1. The rivers flow only during monsoon season.
 - ☐ 2. The area suffers from very low annual rainfall.
 - ☐ 3. The surface is uneven and covered with hills.
 - ☒ 4. The flat land and perennial rivers support canal networks.

Q.15 Which of the following pollutants is/are primarily responsible for causing acid rain?

- Ans**
- ☐ 1. Carbon monoxide
 - ☒ 2. Sulphur dioxide and nitrogen oxides
 - ☐ 3. Methane
 - ☐ 4. Ozone

Q.16 Which of the following events is known as India's biggest multi-sport national competition?

- Ans**
- ☐ 1. Khelo India Youth Games
 - ☒ 2. National Games
 - ☐ 3. Pro Kabaddi League
 - ☐ 4. Indian Premier League

Q.17 Which acid and its salts are widely used as food preservatives to prevent the growth of mould, yeast and fungi?

- Ans**
- ☐ 1. Perchloric acid
 - ☐ 2. Boric Acid
 - ☐ 3. Malic acid
 - ☒ 4. Sorbic acid

Q.18 Who among the following has been appointed as the International Trade Negotiator by China in April 2025?

- Ans**
- ☒ 1. Li Chenggang
 - ☐ 2. Jiang Zaidong
 - ☐ 3. Xu Feihong
 - ☐ 4. Wang Shouwen

Q.19 Which Indian athlete set a new national record in the 200m sprint at the 2025 Asian Athletics Championships?

- Ans**
- ☒ 1. Animesh Kujur
 - ☐ 2. Gurindervir Singh
 - ☐ 3. Amlan Borgohain
 - ☐ 4. Amiya Mallick

Q.20 What happens when you double-click an icon on the desktop?

- Ans**
- ☐ 1. It gets deleted.
 - ☐ 2. It goes to the Taskbar.
 - ☒ 3. It opens the application or file.
 - ☐ 4. It minimizes the window.

Q.21 Which leader founded the Servants of India Society to train Indians for national service and political awareness?

- Ans**
- ☐ 1. BR Ambedkar
 - ☐ 2. Motilal Nehru
 - ☐ 3. Bal Gangadhar Tilak
 - ☒ 4. Gopal Krishna Gokhale

Q.22 Chilika Lake and Pulicat Lake are located in which of the following?

- Ans**
- ☐ 1. West Coast of India
 - ☐ 2. Malabar Coast
 - ☐ 3. Konkan Coast
 - ☒ 4. East Coast of India

Q.23 Which of the following sectors has been classified as infrastructure by the Government of India for improved financing access?

- Ans**
- ☒ 1. Warehousing
 - ☐ 2. Education
 - ☐ 3. Apparel
 - ☐ 4. Retail

Q.24 Who among the following threw 19.59 m to bag Silver medal in Shot Put at Asian U-18 Athletics Championship in April 2025?

- Ans**
- ☐ 1. Anuragh G
 - ☐ 2. VS Anupriya
 - ☐ 3. Vidhi
 - ☒ 4. Nishchay

Q.25 What was the capital of Awadh when it was established in 1722?

- Ans**
- ☒ 1. Faizabad
 - ☐ 2. Bareilly
 - ☐ 3. Gorakhpur
 - ☐ 4. Fatehpur

Q.26 Which organelle is responsible for photosynthesis in plants?

- Ans**
- ☐ 1. Mitochondria
 - ☒ 2. Chloroplast
 - ☐ 3. Leucoplast
 - ☐ 4. Chromoplast

Q.27 Why does a diverse society need a constitution?

- Ans**
- ☐ 1. To impose religious uniformity
 - ☐ 2. To eliminate all differences
 - ☒ 3. To provide basic rules for coordination and assurance
 - ☐ 4. To allow rulers to dominate others

Q.28 Software Technology Parks of India (STPI) is a premier S&T organisation under which of the following ministries of the Government of India?

- Ans**
- ☐ 1. Ministry of Home Affairs
 - ☒ 2. Ministry of Electronics and Information Technology (MeitY)
 - ☐ 3. Ministry of Communications
 - ☐ 4. Ministry of Science and Technology

Q.29 In which of the following years was Ishwar Chandra Vidyasagar born, who is remembered for his efforts in widow remarriage and the abolition of polygamy in Hindu society?

- Ans**
- ☐ 1. 1812
 - ☒ 2. 1820
 - ☐ 3. 1849
 - ☐ 4. 1835

Q.30 Which of the following options correctly describes the scope of judicial review under the Constitution of India?

- Ans**
- ☐ 1. Only the Supreme Court can declare laws unconstitutional.
 - ☐ 2. Judicial review is explicitly mentioned in the Constitution (Article 13).
 - ☒ 3. Both, Supreme Court and High Courts can strike down unconstitutional laws.
 - ☐ 4. Courts can review any law only after approval by the Parliament.

Q.31 On May 27, 2025, the Rajasthan High Court issued a directive regarding FIRs and financial transactions. What was one of the key mandates?

- Ans**
- ☐ 1. All FIRs must be approved by a magistrate before registration.
 - ☐ 2. All property transactions must be conducted through digital payments.
 - ☐ 3. FIRs can only be filed for criminal offenses, not civil disputes.
 - ☒ 4. Courts must report cash transactions over ₹2 lakh to the Income Tax Department.

Q.32 Which Article of the Indian Constitution states that a person who had voluntarily acquired the citizenship of a foreign State shall NOT be considered a citizen of India at the commencement of the Constitution under Articles 5, 6, or 8?

- Ans**
- ☒ 1. Article 9
 - ☐ 2. Article 10
 - ☐ 3. Article 12
 - ☐ 4. Article 11

Q.33 Which Indian State/Union Territory inaugurated modern sports facilities, including chess centres and a snooker hall, in 2025?

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Punjab
 - ☒ 3. Chandigarh
 - ☐ 4. Andaman and Nicobar

Q.34 Which special representation in the Lok Sabha and State Assemblies was discontinued by the 104th Constitutional Amendment Act, 2020?

- Ans**
- ☐ 1. Reservation for Women
 - ☐ 2. SC/ST Reservation
 - ☒ 3. Anglo-Indian Reservation
 - ☐ 4. OBC Reservation

Q.35 Which force will get the Ashwini radar system under the ₹2,906-crore deal signed in March 2025?

- Ans**
- ☐ 1. Indian Navy
 - ☐ 2. Indian Army
 - ☒ 3. Indian Air Force
 - ☐ 4. Indian Coast Guard

Q.36 In the K. Umadevi v. Government of Tamil Nadu case, 2022, the Supreme Court granted maternity benefits for the third child under the Maternity Benefit (Amendment) Act, 2017, stating it is a constitutional right. Which fundamental right did the Court link this benefit to?

- Ans**
- ☐ 1. Right to Education under Article 21A
 - ☒ 2. Right to Life under Article 21
 - ☐ 3. Right to Equality under Article 14
 - ☐ 4. Right against Exploitation under Article 23

Q.37 Colonial policies led to the commercialisation of agriculture. Which of the following crops was encouraged for export during British rule?

- Ans**
- ☐ 1. Maize
 - ☒ 2. Indigo
 - ☐ 3. Barley
 - ☐ 4. Pulses

Q.38 Which of the following traditional folk theatre forms is famous in Maharashtra?

- Ans**
- ☒ 1. Tamasha
 - ☐ 2. Yakshagana
 - ☐ 3. Nautanki
 - ☐ 4. Bhavai

Q.39 The neighbouring countries Peru and Chile are located in which continent?

- Ans**
- ☐ 1. Europe
 - ☐ 2. Africa
 - ☒ 3. South America
 - ☐ 4. Asia

Q.40 PM Modi's review of NTEP in May 2025 urged volunteers called _____ to adopt AI tools for patient follow-up.

- Ans**
- ☒ 1. Nikshay Mitras
 - ☐ 2. Swasth Sanginis
 - ☐ 3. TB Mitra
 - ☐ 4. Arogya Sahayaks

Section : Mathematics

Q.1 A company earns a profit (in ₹) that is distributed among the company's three partners in the ratio of 12 : 3 : 14. If the difference between the smallest and the largest shares is ₹61,699, the total profit (in ₹) of the company is:

- Ans**
- ☒ 1. 1,62,661
 - ☐ 2. 1,62,566
 - ☐ 3. 1,62,581
 - ☐ 4. 1,62,673

Q.2 ₹21,300 were divided among A, B and C, such that 2 times the share of A = 4 times the share of B = 7 times the share of C. Find the share of A.

- Ans**
- ☐ 1. ₹11,868
 - ☐ 2. ₹11,919
 - ☐ 3. ₹12,099
 - ☒ 4. ₹11,928

Q.3 A number, when increased by 60%, gives 3640. The number is:

- Ans**
- ☐ 1. 4550
 - ☐ 2. 1137.5
 - ☐ 3. 6825
 - ☒ 4. 2275

Q.4 A shopkeeper offers the following four discount schemes to his customers for the purchase of articles in his shop.
(i) Buy 5 and get 3 free
(ii) Buy 6 and get 3 free
(iii) Buy 20 and get 5 free
(iv) Buy 8 and get 6 free
Which scheme is the most beneficial to the customers?

- Ans**
- ☐ 1. (ii)
 - ☐ 2. (i)
 - ☒ 3. (iv)
 - ☐ 4. (iii)

Q.5 The sum of the squares of two consecutive even natural numbers is 452. The sum of the numbers is:

- Ans**
- ☐ 1. 48
 - ☒ 2. 30
 - ☐ 3. 44
 - ☐ 4. 26

Q.6 Evaluate: $(-9) - (-60) \div (-12) + (-2) \times 9$

- Ans**
- ☐ 1. -34
 - ☒ 2. -32
 - ☐ 3. -31
 - ☐ 4. -35

Q.7 The LCM of the numbers 8.6 and 0.12 is:

- Ans**
- ☐ 1. 2.58
 - ☐ 2. 258
 - ☒ 3. 25.8
 - ☐ 4. 0.258

Q.8 Sapna invested ₹20,000 on simple interest, partly at 12% per annum and partly at 13% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at 12% per annum (in ₹).

- Ans**
- ☐ 1. 10,398
 - ☐ 2. 10,403
 - ☒ 3. 10,400
 - ☐ 4. 10,399

Q.9 The diameter of a sphere is 12 cm. Find its volume.

- Ans**
- ☐ 1. $144\pi \text{ cm}^3$
 - ☒ 2. $288\pi \text{ cm}^3$
 - ☐ 3. $576\pi \text{ cm}^3$
 - ☐ 4. $192\pi \text{ cm}^3$

Q.10

Simplify: $2\left(\left(\frac{7}{2}\right)x^2 - 28x + 17\right) - 7(x^2 + 6x - 11)$.

- Ans**
- ☐ 1. $-98x - 111$
 - ☐ 2. $98x - 111$
 - ☒ 3. $-98x + 111$
 - ☐ 4. $98x + 111$

Q.11 A trader claims to sell flour at a profit of 44%, but also dishonestly uses a weight which is 10% 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. 62%
 - ☐ 2. 61%
 - ☐ 3. 63%
 - ☒ 4. 60%

Q.12 I bought two bicycles for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 27%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first bicycle.

- Ans**
- ☐ 1. 920
 - ☐ 2. 924
 - ☐ 3. 884
 - ☒ 4. 900

Q.13 A chair was sold for ₹4,600 after giving two successive discounts of 12% and 9%. What is the marked price? (Rounded up to two decimal places.)

- Ans**
- ☐ 1. ₹8,008.39
 - ☐ 2. ₹7,820.12
 - ☐ 3. ₹7,948.74
 - ☒ 4. ₹5,744.26

Q.14 If the sum of all interior angles of a regular polygon is 28 right angles, then its number of sides is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 14
 - ☐ 3. 13
 - ☒ 4. 16

Q.15 A sum of money triples itself at a certain rate of compound interest in 16 years. In how many years will it amount to 9 times of itself?

- Ans**
- ☐ 1. 29 years
 - ☐ 2. 26 years
 - ☐ 3. 27 years
 - ☒ 4. 32 years

Q.16 A train that has a length of 150 m overtakes a man moving at a speed of 9 km/hr (in the same direction) in 36 seconds. How much time (in seconds) will it take this train to completely cross another train that is 185 m long, moving in the opposite direction at a speed of 43 km/hr?

- Ans**
- ☐ 1. 35
 - ☒ 2. 18
 - ☐ 3. 23
 - ☐ 4. 12

Q.17 The marks scored by 10 students are given below.

11, 11, 14, 12, 20, 19, 16, 18, 11, 12

The mode of the data is:

- Ans**
- ☐ 1. 12
 - ☐ 2. 14
 - ☐ 3. 10
 - ☒ 4. 11

Q.18 If 3 times Mary's present age is 27 years more than 9 times Diya's present age, and 4 times Diya's present age is 7 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

- Ans**
- ☒ 1. 13
 - ☐ 2. 10
 - ☐ 3. 8
 - ☐ 4. 17

Q.19 Simplify:

$$\sec\theta (1 + \sin\theta)(\sec\theta - \tan\theta)$$

- Ans**
- ☐ 1. $\sec\theta$
 - ☐ 2. -1
 - ☒ 3. 1
 - ☐ 4. $\tan\theta$

Q.20 A man goes to Lucknow from Kanpur at a speed of 18 km/hr and returns to Kanpur at speed of 36 km/hr, through the same route. What is his average speed (in km/hr) of the entire journey?

- Ans**
- ☐ 1. 18
 - ☒ 2. 24
 - ☐ 3. 22
 - ☐ 4. 27

Q.21 The average of first 164 even numbers is

- Ans**
- ☒ 1. 165
 - ☐ 2. 164.5
 - ☐ 3. 166
 - ☐ 4. 165.5

Q.22 Pipe P can fill $\frac{5}{6}$ part of a tank in 30 hours, and pipe Q can fill $\frac{3}{4}$ part of the same tank in 27 hours.

Both P and Q were kept open for 2 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

- Ans**
- ☐ 1. 54 hours
 - ☐ 2. 44 hours
 - ☒ 3. 36 hours
 - ☐ 4. 48 hours

Q.23 If 51% of first number is equal to six-sevenths of second number, what is the ratio of first number to the second number?

- Ans**
- ☐ 1. 205 : 116
 - ☐ 2. 195 : 114
 - ☐ 3. 199 : 124
 - ☒ 4. 200 : 119

Q.24 A can lay railway track between two given stations in 19 days and B can do the same job in 11 days. With the help of C, they did the job in 2 days only. Then, C alone can do the job in

- Ans
- ☐ 1. $11\frac{120}{149}$ days
 - ☒ 2. $2\frac{120}{149}$ days
 - ☐ 3. $12\frac{120}{149}$ days
 - ☐ 4. $6\frac{120}{149}$ days

Q.25 A man makes a monthly payment equal to 25% of his monthly salary towards debt repayment. He spends 52% of the remaining salary and saves ₹288. His monthly salary (in ₹) is:

- Ans
- ☐ 1. 811
 - ☐ 2. 816
 - ☒ 3. 800
 - ☐ 4. 888

Q.26 Which of the following numbers divides 74,75,79,723?

- Ans
- ☐ 1. 13
 - ☐ 2. 9
 - ☐ 3. 8
 - ☒ 4. 11

Q.27 If the 6-digit number N42M47 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

- Ans
- ☐ 1. $M - N = 1$
 - ☐ 2. $M + N = 5$
 - ☐ 3. $M = N$
 - ☒ 4. $M - N = -5$

Q.28 Find the value of $[960 \div \{28 + 5 \times (7 - 3)\}]$.

- Ans
- ☐ 1. 29
 - ☒ 2. 20
 - ☐ 3. 23
 - ☐ 4. 15

Q.29 Five solid cubes, each of volume 216000 cm^3 , are joined end to end to form a cuboid. What is the lateral surface area (in cm^2) of the cuboid?

- Ans
- ☐ 1. 43045
 - ☐ 2. 43464
 - ☐ 3. 43245
 - ☒ 4. 43200

Q.30 The sum of two numbers is 66 and their L.C.M. is 400. What are the two numbers?

- Ans
- ☐ 1. 21, 45
 - ☐ 2. 14, 52
 - ☒ 3. 16, 50
 - ☐ 4. 9, 57

Q.1 What should come in place of the question mark (?) in the given series?
21 23 33 51 77 ?

- Ans**
- ☐ 1. 131
 - ☒ 2. 111
 - ☐ 3. 112
 - ☐ 4. 140

Q.2 W is the daughter of A. A is the brother of K. K is the wife of E. E is the father of S. How is W related to S?

- Ans**
- ☐ 1. Mother's sister's son
 - ☐ 2. Mother's sister's daughter
 - ☒ 3. Mother's brother's daughter
 - ☐ 4. Mother's brother's son

Q.3 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. UWS
 - ☐ 2. MOJ
 - ☐ 3. SUP
 - ☐ 4. PRM

Q.4 Pranay starts from Point A and drives 7 km towards the south. He then takes a left turn and drives 6 km, then turns left and drives 12 km. He then takes a left turn and drives 10 km. He takes a final left turn, drives 5 km and stops at Point P. 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.)

- Ans**
- ☒ 1. 4 km to the east
 - ☐ 2. 4 km to the west
 - ☐ 3. 5 km to the west
 - ☐ 4. 5 km to the east

Q.5 DACB is related to FCED in a certain way based on the English alphabetical order. In the same way, YVXW is related to AXZY. To which of the given options is VSUT related, following the same logic?

- Ans**
- ☒ 1. XUWV
 - ☐ 2. XUVV
 - ☐ 3. XTVV
 - ☐ 4. XVVE

Q.6 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. RMH
 - ☐ 2. DYT
 - ☒ 3. AVO
 - ☐ 4. IDY

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. VZFM
 - ☐ 2. PTZG
 - ☒ 3. SWCI
 - ☐ 4. IMSZ

Q.8 Seven boxes, N, O, T, F, A, R and M, are kept one over the other but not necessarily in the same order. M is kept immediately above A. N is kept immediately above O. Only T is kept above F. Only two boxes are kept above M. N is not kept at third position from the bottom.

How many boxes are kept between R and T?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Zero
 - ☐ 4. Two

Q.9 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7856413, what will be the sum of the digits which are third from the left and third from the right in the new number thus formed?

- Ans**
- ☐ 1. 6
 - ☐ 2. 10
 - ☐ 3. 12
 - ☒ 4. 8

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

73 76 81 90 107 ?

- Ans**
- ☐ 1. 139
 - ☐ 2. 123
 - ☐ 3. 155
 - ☒ 4. 140

Q.11 In a row of 22 students facing north, Mayank is 15th from the left end. If Payal is 7th to the right of Mayank, what is Payal's position from the right end of the line?

- Ans**
- ☒ 1. 1st
 - ☐ 2. 3rd
 - ☐ 3. 4th
 - ☐ 4. 2nd

Q.12 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) / 8 5 2 1 1 4 < \$ 2 & 8 # 7 5 & 3 + 1 6 ^ (Right)

How many such numbers are there that are immediately preceded by a symbol and also immediately followed by another number?

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

Q.13 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.

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

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

- Ans**
- ☐ 1. None
 - ☐ 2. Two
 - ☒ 3. One
 - ☐ 4. More than two

Q.14 What should come in place of ? in the given series based on the English alphabetical order?

ELY FNX GPW HRV ?

- Ans**
- ☐ 1. HYV
 - ☐ 2. HGU
 - ☐ 3. IUV
 - ☒ 4. ITU

Q.15 What should come in place of the question mark (?) in the given series?

819 829 830 840 841 851 852 ?

- Ans**
- ☐ 1. 853
 - ☐ 2. 854
 - ☒ 3. 862
 - ☐ 4. 861

Q.16 In a certain code language, 'TEMP' is coded as '3129' and 'ITEM' is coded as '1396'.
What is the code for 'I' in the given code language?

- Ans**
- ☐ 1. 1
 - ☐ 2. 3
 - ☐ 3. 9
 - ☒ 4. 6

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 magnets are rocks.
All rocks are soils.

Conclusions:

(I) Some soils are rocks.
(II) All magnets are soils.

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

Q.18 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 conclusion(s) logically follow(s) from the statement(s).

Statements:

Some Beetroots are Radishes.
Some Radishes are Onions.

Conclusions:

I. Some Beetroots are Onions.
II. No Beetroots are Onions.

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

TKF 4, SJE 8, RID 12, QHC 16, ?

- Ans**
- ☐ 1. OGB 20
 - ☐ 2. PFA 18
 - ☐ 3. OFA 18
 - ☒ 4. PGB 20

Q.20 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.)
12, 134
9, 71

- Ans**
- ☐ 1. 15, 235
 - ☐ 2. 13, 170
 - ☒ 3. 16, 246
 - ☐ 4. 11, 130

Q.21 211 people are standing in a row facing north. Mr. Maxi is 9th from the left end while Mr. Han is 91st from the right end. How many people are there between Mr. Maxi and Mr. Han?

- Ans**
- ☐ 1. 112
 - ☒ 2. 111
 - ☐ 3. 109
 - ☐ 4. 110

Q.22 SKEA is related to PGBW in a certain way based on the English alphabetical order. In the same way, GUSK is related to DQPG. To which of the given options is XIJY related, following the same logic?

- Ans**
- ☐ 1. PPOI
 - ☐ 2. UGEU
 - ☐ 3. UIOP
 - ☒ 4. UEGU

Q.23 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$26 \times 4 \div 8 - 15 + 6 = ?$$

- Ans**
- ☐ 1. 62
 - ☐ 2. 59
 - ☒ 3. 61
 - ☐ 4. 60

Q.24 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. Only one person sits to the right of B. E sits third from the left end of the row. G is the immediate neighbour of F and B. C sits to the immediate left of A. How many people sit to the left of D?

- Ans**
- ☐ 1. Four
 - ☐ 2. Three
 - ☒ 3. Six
 - ☐ 4. Five

Q.25 Satheesh starts from his home and drives 5 km towards north. He then takes a left turn, drives 6 km, turns left, and drives 4 km. He then takes a right turn and drives 5 km and turns right, then drives 3 km to reach his office. In which direction is the office with respect to his home?
(Note: All turns are 90° turns only, unless specified.)

- Ans**
- ☒ 1. North-west
 - ☐ 2. North
 - ☐ 3. South
 - ☐ 4. West

Q.26 In a certain code language, 'LIKE' is coded as '7029' and 'KAIL' is coded as '1279'. What is the code for 'A' in the given code language?

- Ans**
- ☒ 1. 1
 - ☐ 2. 2
 - ☐ 3. 9
 - ☐ 4. 7

Q.27 Five people, A, B, C, D and E are sitting in a straight line, facing North. B is sitting to the extreme left end. Only two people are sitting between D and B. E is seated second to the right of B. A is not an immediate neighbour of E. How many people are sitting to the right of C?

- Ans**
- ☒ 1. Three
 - ☐ 2. One
 - ☐ 3. Zero
 - ☐ 4. Two

Q.28 CROWD is related to HWTBI in a certain way based on the English alphabetical order. In the same way, DRAWN is related to IWFBS. To which of the given options is BRUSH related, following the same logic?

- Ans**
- ☒ 1. GWZXM
 - ☐ 2. FVYWL
 - ☐ 3. GWZYM
 - ☐ 4. HXAYN

Q.29 Each of the digits in the number 9231475 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

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

Q.30 If 1 is added to each even digit and 3 is subtracted from each odd digit in the number 943372856, what will be difference between the highest and lowest digits thus formed?

- Ans**
- ☒ 1. 9
 - ☐ 2. 7
 - ☐ 3. 8
 - ☐ 4. 6