



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	18/08/2025
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 How many individuals were conferred the Padma Awards in 2025?

- Ans
- ☐ 1. 120
 - ☐ 2. 150
 - ☐ 3. 113
 - ☒ 4. 139

Q.2 Which region witnessed the strongest violence and martial law enforcement during the Rowlatt Satyagraha?

- Ans
- ☐ 1. Bihar
 - ☐ 2. Bengal
 - ☒ 3. Punjab
 - ☐ 4. Gujarat

Q.3 Which of the following indicators is NOT included in the Multidimensional Poverty Index (MPI)?

- Ans
- ☐ 1. Years of Schooling
 - ☐ 2. Electricity Access
 - ☐ 3. Nutrition
 - ☒ 4. Monthly Per Capita Expenditure

Q.4 Announced in 2025, what type of engine is ISRO designing for Next Generation Launch Vehicle (NGLV)?

- Ans
- ☐ 1. LOX-Kerosene hybrid engine
 - ☐ 2. Hydrogen-fueled engine
 - ☐ 3. Cryogenic solid fuel engine
 - ☒ 4. LOX-Methane engine

Q.5 Which of the following government bodies is responsible for disaster response and management at the national level in India?

- Ans
- ☐ 1. SDRF
 - ☐ 2. IRDA
 - ☒ 3. NDMA
 - ☐ 4. NITI Aayog

Q.6 What geographic feature primarily controls the eastern boundary of the Indian Desert?

- Ans**
- ☐ 1. Western Ghats
 - ☐ 2. Satpura Hills
 - ☒ 3. Aravalli Hills
 - ☐ 4. Vindhya Range

Q.7 Select the INCORRECT operating system used in computers and laptops.

- Ans**
- ☐ 1. Linux
 - ☒ 2. Android
 - ☐ 3. Windows
 - ☐ 4. Unix

Q.8 The Monetary Policy Committee (MPC) was established to formalise inflation targeting. How many members constitute India's MPC?

- Ans**
- ☒ 1. 6
 - ☐ 2. 3
 - ☐ 3. 5
 - ☐ 4. 7

Q.9 Which harmful social practice was banned in 1829 by Lord Bentinck during the British rule in India?

- Ans**
- ☐ 1. Child marriage
 - ☐ 2. Polygamy
 - ☐ 3. Dowry
 - ☒ 4. Sati

Q.10 Which railway safety system did India begin implementing nationwide, covering 3,500 km in 2025 at a cost of ₹1,700 crore?

- Ans**
- ☐ 1. Nationwide Railway Safety System
 - ☒ 2. Kavach Automatic Train Protection
 - ☐ 3. Namo Bharat Signalling System
 - ☐ 4. GPS-based Tracking System

Q.11 Which of the following ranges separates the Kashmir Valley from the rest of the Himalayan region?

- Ans**
- ☐ 1. Zaskar
 - ☒ 2. Pir Panjal
 - ☐ 3. Karakoram
 - ☐ 4. Ladakh

Q.12 Where was the 2025 Southeast Asia Regional Forum of Organisation for Economic Co-operation and Development (OECD) held?

- Ans**
- ☐ 1. Jakarta, Indonesia
 - ☒ 2. Bangkok, Thailand
 - ☐ 3. Manila, Philippines
 - ☐ 4. Kuala Lumpur, Malaysia

Q.13 Which of the following texts is considered the earliest Tamil grammar work?

- Ans**
- ☒ 1. Tolkappiyam
 - ☐ 2. Silappadikaram
 - ☐ 3. Manimekalai
 - ☐ 4. Kural

Q.14 What is the name of the principle which states that each point on a wavefront acts as a source of secondary wavelets that spread in all directions and form a new wavefront?

- Ans**
- ☐ 1. Doppler's Principle
 - ☒ 2. Huygens' Principle
 - ☐ 3. Fermat's Principle
 - ☐ 4. Superposition Principle

Q.15 Which company became the first in India to develop steel pipes for hydrogen transportation?

- Ans**
- ☐ 1. Hindalco Industries
 - ☐ 2. Jindal Steel & Power
 - ☒ 3. Tata Steel
 - ☐ 4. SAIL

Q.16 Who among the following became India's first Grandmaster in chess in 1988?

- Ans**
- ☐ 1. Dibyendu Barua
 - ☒ 2. Viswanathan Anand
 - ☐ 3. R Praggnanandhaa
 - ☐ 4. Pentala Harikrishna

Q.17 Which of the following subjects is NOT under the control of the Delhi Legislative Assembly, according to the Constitution?

- Ans**
- ☒ 1. Public order
 - ☐ 2. Electricity
 - ☐ 3. Education
 - ☐ 4. Public health

Q.18 The Defence Ministry's planned order for 500 Invar anti-tank guided missiles—valued at ₹2,000–3,000 crore—will be placed with which defence Public Sector Unit (PSU)?

- Ans**
- ☒ 1. Bharat Dynamics Limited
 - ☐ 2. Garden Reach Shipbuilders & Engineers Ltd.
 - ☐ 3. Armoured Vehicles Nigam Ltd.
 - ☐ 4. Bharat Electronics Limited

Q.19 The 1962 Sino-Indian War was primarily fought over which geographical region?

- Ans**
- ☒ 1. Himalayan Border
 - ☐ 2. Indo-Gangetic Plain
 - ☐ 3. Deccan Plateau
 - ☐ 4. Brahmaputra Valley

Q.20 What is the time limit to receive information from a public authority under the RTI Act?

- Ans**
- ☐ 1. 60 days
 - ☒ 2. 30 days
 - ☐ 3. 45 days
 - ☐ 4. 15 days

Q.21 Employment patterns during 1947-1991 showed limited diversification. Which sector employed the largest share of India's workforce throughout this period?

- Ans**
- ☐ 1. Infrastructure
 - ☒ 2. Agriculture
 - ☐ 3. Secondary sector
 - ☐ 4. Services sector

Q.22 What is the spatial resolution of the Bharat Forecasting System (BFS) launched in May 2025?

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

Q.23 Where is Wadge Bank, the site of the hydrocarbon exploration project proposed in May 2025 under the Hydrocarbon Exploration and Licensing Policy (HELP) and opposed by fishermen, located?

- Ans**
- ☐ 1. An offshore reef near the Andaman Islands in the Bay of Bengal region
 - ☐ 2. A deep-sea basin around 60 km west of Mumbai in the Arabian Sea
 - ☐ 3. A coral atoll close to the Lakshadweep islands in the Indian Ocean
 - ☒ 4. A submarine plateau about 80 km off the southern coast in the Indian Ocean

Q.24 What does GUI stand for in an operating system context?

- Ans**
- ☒ 1. Graphical User Interface
 - ☐ 2. Global Utility Interface
 - ☐ 3. Graphical Unix Integration
 - ☐ 4. General User Instruction

Q.25 What is the name of the Super Expressway that links the metropolitan cities of New Delhi, Mumbai, Chennai and Kolkata?

- Ans**
- ☒ 1. Golden Quadrilateral
 - ☐ 2. North-South Corridor
 - ☐ 3. National Highway 44
 - ☐ 4. East-West Corridor

Q.26 Which of the following cities hosted the 19th Pravasi Bharatiya Divas (PBD) Convention held in January 2025?

- Ans**
- ☒ 1. Bhubaneswar
 - ☐ 2. Varanasi
 - ☐ 3. Indore
 - ☐ 4. Bengaluru

Q.27 In 2025, which Indian regulatory body launched the 'Digital India Financial Literacy Mission' to enhance awareness about digital finance and online fraud prevention?

- Ans**
- ☐ 1. Financial Stability and Development Council (FSDC)
 - ☐ 2. National Financial Reporting Authority (NFRA)
 - ☐ 3. Securities and Exchange Board of India (SEBI)
 - ☒ 4. Reserve Bank of India (RBI)

Q.28 Which Australian plateau is formed by the solidification of molten lava?

- Ans**
- ☒ 1. Kimberley Plateau
 - ☐ 2. Columbia and Snake Rivers Plateau
 - ☐ 3. Patagonian Plateau
 - ☐ 4. Malwa Plateau

Q.29 Which of the following Articles deals with the amendment procedure of the Constitution?

- Ans**
- ☐ 1. Article 370
 - ☐ 2. Article 208
 - ☐ 3. Article 300
 - ☒ 4. Article 368

Q.30 Which of the following statements is correct regarding the legislative allocation of co-operative societies in the Constitution of India?

- Ans**
- ☒ 1. It is a subject in the State List.
 - ☐ 2. It falls under the Residuary (Union) List.
 - ☐ 3. It is a subject in the Union List.
 - ☐ 4. It is a subject in the Concurrent List.

Q.31 Which Constitutional Amendment introduced the Goods and Services Tax (GST) in India?

- Ans**
- ☐ 1. Ninety-ninth Amendment Act, 2015
 - ☒ 2. One Hundred and First Amendment Act, 2016
 - ☐ 3. One Hundred and Second Amendment Act, 2018
 - ☐ 4. One Hundredth Amendment Act, 2015

Q.32 Who authored the book 'PMO: Prime Minister's Office through the Years' that was released in May 2025?

- Ans**
- ☐ 1. Jagdeep Dhankhar
 - ☐ 2. Manohar Lal Khattar
 - ☐ 3. Nayab Singh Saini
 - ☒ 4. Himanshu Roy

Q.33 Which of the following is NOT a part of urban transport infrastructure?

- Ans**
- ☒ 1. Irrigation canals
 - ☐ 2. Metro systems
 - ☐ 3. Highways
 - ☐ 4. Rail networks

Q.34 Which of the following elements is classified as a lanthanoid group element?

- Ans**
- ☐ 1. Yttrium
 - ☐ 2. Actinium
 - ☐ 3. Scandium
 - ☒ 4. Cerium

Q.35 In May 2025, which ISRO mission failed to deploy its Earth observation satellite due to a third-stage anomaly in the PSLV-C61 rocket?

- Ans**
- ☐ 1. INSAT-3DS
 - ☐ 2. RISAT-2BR2
 - ☒ 3. EOS-09
 - ☐ 4. Cartosat-3

Q.36 What is the study of heredity and variation called?

- Ans**
- ☐ 1. Evolution
 - ☐ 2. Mutation
 - ☒ 3. Genetics
 - ☐ 4. Biology

Q.37 Which country became a full member of BRICS in January 2025?

- Ans**
- ☐ 1. Nigeria
 - ☐ 2. Egypt
 - ☒ 3. Indonesia
 - ☐ 4. Argentina

Q.38 In Jain religion, the Svetarnbara canon consists of how many of Agamas?

- Ans**
- ☐ 1. 6
 - ☐ 2. 12
 - ☐ 3. 35
 - ☒ 4. 45

Q.39 The opening of which of the following canals intensified British control over India's foreign trade?

- Ans**
- ☐ 1. Conolly Canal
 - ☒ 2. Suez Canal
 - ☐ 3. Buckingham Canal
 - ☐ 4. Munak Canal

Q.40 Which of the following Jain councils was held at Vallabhi (Gujarat) in 512 CE under the chairmanship of Devardhi Kshamasramana?

- Ans**
- ☐ 1. Third
 - ☒ 2. Second
 - ☐ 3. Fourth
 - ☐ 4. First

Section : Mathematics

Q.1 Find the mean proportional between 16 and 256.

- Ans**
- ☒ 1. 64
 - ☐ 2. 63
 - ☐ 3. 66
 - ☐ 4. 65

Q.2 The marks scored by 10 students are given below.
12, 14, 14, 15, 12, 16, 12, 10, 19, 11
The mode of the given data is:

- Ans**
- ☐ 1. 15
 - ☐ 2. 19
 - ☐ 3. 14
 - ☒ 4. 12

Q.3 A cuboid has dimensions 18 m × 12 m × 9 m. What is its total surface area?

- Ans**
- ☐ 1. 998 m²
 - ☐ 2. 1062 m²
 - ☐ 3. 1128 m²
 - ☒ 4. 972 m²

Q.4

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

Ans

- ☐ 1. 21.25
☐ 2. 24.25
☒ 3. 27.25
☐ 4. 25.25

Q.5

The diagonals of a rectangle PQRS meet at O. If $\angle QOR = 36^\circ$, then find $\angle OPS$.

Ans

- ☐ 1. 144°
☒ 2. 72°
☐ 3. 108°
☐ 4. 54°

Q.6

In an election between two candidates, 90% of the registered voters cast their vote and 18% of the votes polled were found invalid. The winning candidate got 51% of the valid votes and won the election by a margin of 1845 votes. How many voters were registered?

Ans

- ☐ 1. 124999
☐ 2. 124998
☐ 3. 124997
☒ 4. 125000

Q.7

Evaluate: $(-9) - (-60) \div (-6) + (-4) \times 6$

Ans

- ☒ 1. -43
☐ 2. -45
☐ 3. -46
☐ 4. -42

Q.8

Which of the following numbers divides 71,67,10,501?

Ans

- ☐ 1. 16
☐ 2. 19
☐ 3. 20
☒ 4. 13

Q.9

The value of $\frac{5}{2} + \left(\frac{1}{1 + \frac{3}{8}} \right) - \frac{3}{5}$ is

Ans

- ☐ 1. $\frac{297}{118}$
☐ 2. $\frac{290}{107}$
☒ 3. $\frac{289}{110}$
☐ 4. $\frac{284}{109}$

Q.10 A vertical post of a height 18 ft is broken at a certain height and its upper part, not completely separated, meets the ground at an angle of 30° . Find the height at which the post is broken.

- Ans
- ☐ 1. 4 ft
 - ☒ 2. 6 ft
 - ☐ 3. 7 ft
 - ☐ 4. 5 ft

Q.11 5 men can complete a piece of work in 16 days, while 3 women can do it in 15 days. In how many days can 9 women and 4 men complete this work?

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

Q.12 92 mirrors were purchased for ₹92, and 35 mirrors broke in transit. The trader sold the remaining mirrors at ₹4.40 each. Find his profit.

- Ans
- ☒ 1. ₹158.80
 - ☐ 2. ₹157.90
 - ☐ 3. ₹161.70
 - ☐ 4. ₹153.10

Q.13 An 8% discount and a 5% discount in succession is equivalent to a total discount of _____.

- Ans
- ☐ 1. 13.5%
 - ☒ 2. 12.6%
 - ☐ 3. 13.4%
 - ☐ 4. 12.5%

Q.14 The selling price of 22 books is equal to the cost price of 11 books. Find the loss or gain percentage.

- Ans
- ☐ 1. $\frac{100}{11}\%$ loss
 - ☐ 2. $\frac{100}{11}\%$ gain
 - ☐ 3. 50% gain
 - ☒ 4. 50% loss

Q.15 Pipe A can fill a tank in 12 hours, pipe B can fill the same tank in 30 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. $8\frac{25}{31}$ hours
 - ☐ 2. $15\frac{25}{31}$ hours
 - ☐ 3. $9\frac{25}{31}$ hours
 - ☒ 4. $5\frac{25}{31}$ hours

Q.16 7 years ago, the age of a father was 20 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans**
- ☒ 1. 13
 - ☐ 2. 16
 - ☐ 3. 11
 - ☐ 4. 12

Q.17 A table has a marked price of ₹8,000. A shopkeeper purchased it at two successive discounts of 20% and 25%. He sold the table for ₹8,000 after spending ₹300 on transportation. Find his profit percentage.

- Ans**
- ☐ 1. $56\frac{43}{51}\%$
 - ☐ 2. $56\frac{45}{51}\%$
 - ☒ 3. $56\frac{44}{51}\%$
 - ☐ 4. $56\frac{42}{51}\%$

Q.18 Find the simple interest (in ₹) on ₹1,200 at an interest rate of 4% per month for 8 months.

- Ans**
- ☐ 1. ₹52
 - ☐ 2. ₹64
 - ☒ 3. ₹32
 - ☐ 4. ₹384

Q.19 X, Y and Z invest a sum in the ratio of 16 : 85 : 54, respectively. If they earned a total profit of ₹3,750 at the end of the year, then what is the difference between share of Y and Z?

- Ans**
- ☐ 1. ₹676
 - ☒ 2. ₹750
 - ☐ 3. ₹706
 - ☐ 4. ₹742

Q.20 Which of the following numbers divides 769501?

- Ans**
- ☐ 1. 105
 - ☐ 2. 96
 - ☐ 3. 90
 - ☒ 4. 97

Q.21 The product of two consecutive natural numbers is 870. The greater of the two numbers is:

- Ans**
- ☐ 1. 38
 - ☒ 2. 30
 - ☐ 3. 41
 - ☐ 4. 21

Q.22 The simple interest on a certain sum for $6\frac{1}{2}$ years at the rate of 6.4% per annum is ₹9,204.

What will be the amount payable on the same sum at the rate of 7.6% per annum simple interest in $6\frac{2}{3}$ years?

- Ans**
- ☐ 1. ₹33,336
 - ☒ 2. ₹33,335
 - ☐ 3. ₹33,348
 - ☐ 4. ₹33,340

Q.23 A hollow spherical shell is made of a metal of density 15 g/cm^3 . Its internal and external radii are 8 cm and 11 cm, respectively. What is the mass (in kg) of the shell ?
(Take $\pi = \frac{22}{7}$.)

- Ans
- ☐ 1. 48.48
 - ☐ 2. 52.96
 - ☒ 3. 51.48
 - ☐ 4. 52.67

Q.24 The LCM of two numbers is seven times their HCF. The difference between the HCF and LCM is 222. Find the product of the two numbers.

- Ans
- ☐ 1. 9158
 - ☐ 2. 9276
 - ☒ 3. 9583
 - ☐ 4. 9086

Q.25 The average of first 154 odd natural numbers, is:

- Ans
- ☐ 1. 153.5
 - ☒ 2. 154
 - ☐ 3. 155
 - ☐ 4. 154.5

Q.26 A bus travelling at 36 km/hr completes a journey in 5 hours. What should be its speed to cover the same distance in 10 hours?

- Ans
- ☐ 1. 17 km/hr
 - ☒ 2. 18 km/hr
 - ☐ 3. 22 km/hr
 - ☐ 4. 9 km/hr

Q.27 ₹44,200 was divided among A, B and C such that 3 times the share of A = 9 times the share of B = 4 times the share of C. Find the share of A.

- Ans
- ☐ 1. ₹21,304
 - ☒ 2. ₹21,216
 - ☐ 3. ₹21,081
 - ☐ 4. ₹21,178

Q.28 Simplify $x(3x - 6) + 5(x^2 - 4) + 19$.

- Ans
- ☒ 1. $8x^2 - 6x - 1$
 - ☐ 2. $-8x^2 - 6x - 1$
 - ☐ 3. $-8x^2 - 6x + 1$
 - ☐ 4. $8x^2 - 6x + 1$

Q.29 The value of $\sqrt{289} + \sqrt{0.0324} - \sqrt{7.29} =$

- Ans
- ☒ 1. 14.48
 - ☐ 2. 12.59
 - ☐ 3. 9.08
 - ☐ 4. 11.21

Q.30 Daksh travels 168 km at 21 km/hr, the next 100 km at 20 km/hr and the next 371 km at 53 km/hr. What is his average speed (in km/hr) for the whole journey?

- Ans**
- ☐ 1. 36.61
 - ☐ 2. 23.34
 - ☐ 3. 29.63
 - ☒ 4. 31.95

Section : General Intelligence and Reasoning

Q.1 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CSL : FPG
KGX : NDS

- Ans**
- ☐ 1. MMX : PQS
 - ☒ 2. DJF : GGA
 - ☐ 3. JKY : MMT
 - ☐ 4. NGN : QJJ

Q.2 KHIG is related to HEFD in a certain way based on the English alphabetical order. In the same way, DABZ is related to AXYW. To which of the given options is BYZX related, following the same logic?

- Ans**
- ☐ 1. YVUU
 - ☐ 2. YWVD
 - ☒ 3. YVWU
 - ☐ 4. YUVU

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. LID
 - ☐ 2. ROK
 - ☐ 3. MJF
 - ☐ 4. FCY

Q.4 Seven boxes T, U, V, W, X, Y and D are kept one over the other but not necessarily in the same order. Only two boxes are kept below W. Only one box is kept above Y. Only one box is kept between Y and U. T is kept immediately above X. D is kept at some place below V. How many boxes are kept between V and T?

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

Q.5 What should come in place of the question mark (?) in the given series?

61 60 56 47 31 ?

- Ans**
- ☒ 1. 6
 - ☐ 2. 14
 - ☐ 3. 28
 - ☐ 4. 9

Q.6 In a certain code language, 'keep your goal' is coded as 'yt ru kj' and 'mind your business' is coded as 'kj gb mi'. How is 'your' coded in the given language?

- Ans**
- ☒ 1. kj
 - ☐ 2. mi
 - ☐ 3. ru
 - ☐ 4. yt

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

(Left) 1338 2325 3627 5513 1764 (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.)

If all the digits in each number are reversed, then what will be the resultant if the second digit of the second largest number is multiplied to the second digit of the smallest number?

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

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 conclusion(s) logically follow(s) from the statements.

Statements: All pencils are erasers. Some erasers are crayons.

Conclusions (I): Some pencils are crayons.

Conclusions (II): Some erasers are pencils.

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

Q.9 Select the pair that follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

ITM : LSO
SSV : VRX

- Ans**
- ☐ 1. SUK : VTL
 - ☒ 2. TNN : WMP
 - ☐ 3. WQJ : ZRL
 - ☐ 4. FTF : ISI

Q.10 Sheghal ranked 33rd from the top and 18th from the bottom in his class. How many students are there in his class?

- Ans**
- ☒ 1. 50
 - ☐ 2. 53
 - ☐ 3. 51
 - ☐ 4. 52

Q.11 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged, and '-' and 'x' are interchanged?

$$9 + 5 \div 130 - 10 \times 22 = ?$$

- Ans
- ☐ 1. 44
 - ☐ 2. 22
 - ☐ 3. 32
 - ☒ 4. 54

Q.12 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. RKQ
 - ☐ 2. VOU
 - ☒ 3. OHM
 - ☐ 4. TMS

Q.13 Six people A, B, C, D, E and F are sitting in a straight line. All are facing towards North.
B is seated third from the extreme right end of the line.
Only two people are seated between B and E.
C is sitting second from the right of B.
F is an immediate neighbour of B and C.
A is sitting to the immediate right of D.
How many people are seated between D and F?

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

Q.14 Refer to the following number-symbol series and answer the question that follows.
Counting is to be done from left to right only.
(Left) 5 * 8 > 4 1 4 \ 4 \$ ^ 3 ? 5 2 % / > 9 2 4 (Right)

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

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

Q.15 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 scissors are crayons.
Some crayons are erasers.

Conclusions:

(I) Some scissors are erasers.
(II) Some erasers are crayons.

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

Q.16 Six friends T, V, W, X, Y and Z are sitting around a circular table, facing the centre. V sits second to the right of Y. Y sits to the immediate left of T. X sits second to the left of W. How many people sit between Z and V when counted from the left of V?

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

Q.17 In a certain code language, 'HALF' is coded as '2586' and 'FLAG' is coded as '7862'. What is the code for 'G' in the given code language?

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

Q.18 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the 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 its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

78, 39
84, 42

- Ans**
- ☐ 1. 94, 48
 - ☐ 2. 52, 23
 - ☒ 3. 66, 33
 - ☐ 4. 58, 19

Q.19 If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, how many digits will appear more than once in the new number thus formed?

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

Q.20 Heerat starts from point A and walks 2 km towards east. She then takes a left turn and walks 2 km. She takes another left turn and walks 2 km. She takes a final left turn and walks 5 km to reach a point B. How far (shortest distance) and towards which direction should she walk in order to reach point A again? (All turns are 90-degree turns only unless otherwise specified.)

- Ans**
- ☐ 1. 2 km west
 - ☒ 2. 3 km north
 - ☐ 3. 2 km north
 - ☐ 4. 2 km south

Q.21 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. MP-KO
 - ☐ 2. PS-NR
 - ☐ 3. UX-SW
 - ☒ 4. RU-PS

Q.22 What should come in place of the question mark (?) in the given series?

58 60 65 73 84 ?

Ans  1. 84

 2. 98

 3. 89

 4. 95

Q.23 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

YPP -1 VRM -3 ? PVG -27 MXD -81

Ans  1. STJ -9

 2. STI -9

 3. SSJ -6

 4. SSI -6

Q.24 Suresh starts from Point A and drives 7 km towards West. He then takes a right turn, drives 3 km, turns right and drives 11 km. He then takes a right turn and drives 6 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. 3 km to South

 2. 3 km to North

 3. 4 km to North

 4. 4 km to South

Q.25 What will come in the place of the question mark (?) in the following equation, if '÷' and '-' are interchanged and 'x' and '+' are interchanged?
 $63 \times 9 \div 3 - 3 \times 24 + 22 \div 11 + 9 = ?$

Ans  1. 494

 2. 526

 3. 500

 4. 428

Q.26 In a certain code language,
A + B means 'A is the sister of B',
A - B means 'A is the brother of B',
A x B means 'A is the wife of B' and
A ÷ B means 'A is the father of B'.

How is F related to Y if 'F - H x L ÷ O + Y'?

Ans  1. Mother's father

 2. Mother's brother

 3. Father's father

 4. Father's brother

Q.27 All 129 students in a class are standing in a straight line facing north. Lalit is 33rd from the right end while Sahil is 27th from the left end. How many people stand between Lalit and Sahil?

Ans  1. 70

 2. 68

 3. 72

 4. 69

Q.28 If + means −, − means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$40 \times 4 + 12 \div 6 - 4 = ?$$

- Ans**
-  1. 20
 -  2. 17
 -  3. 14
 -  4. 22

Q.29 What should come in place of the question mark (?) in the given series?

391 392 396 405 421 ?

- Ans**
-  1. 441
 -  2. 431
 -  3. 436
 -  4. 446

Q.30 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HKB 11, FIZ 19, DGX 27, BEV 35, ?

- Ans**
-  1. ACR 43
 -  2. ZCT 43
 -  3. ZBR 45
 -  4. XAT 42