



## 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	29/08/2025
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 Which of the following pairs of Union Territories were merged to form a single Indian Union Territory in 2020?

- Ans
- ☒ 1. Dadra and Nagar Haveli and Daman and Diu
  - ☐ 2. Andaman and Nicobar and Lakshadweep
  - ☐ 3. Chandigarh and Puducherry
  - ☐ 4. Jammu and Kashmir and Ladakh

Q.2 The government has made efforts to boost financial inclusion. Which 2014 scheme aimed to provide universal banking access in India?

- Ans
- ☐ 1. JAM Trinity
  - ☐ 2. PMAY
  - ☐ 3. MUDRA Yojana
  - ☒ 4. Jan Dhan Yojana

Q.3 The 13<sup>th</sup> edition of the joint military exercise 'Ekuverin' 2025 was conducted in which country?

- Ans
- ☐ 1. India
  - ☐ 2. Cambodia
  - ☒ 3. Maldives
  - ☐ 4. Thailand

Q.4 Which initiative is associated with the construction of individual household toilets in India?

- Ans
- ☒ 1. Swachh Bharat Abhiyan
  - ☐ 2. AMRUT
  - ☐ 3. Jal Jeevan Mission
  - ☐ 4. Smart Cities Mission

Q.5 The Mauryan empire was founded by Chandragupta Maurya in which of the following years?

- Ans
- ☐ 1. 350 BCE
  - ☐ 2. 375 BCE
  - ☐ 3. 300 BCE
  - ☒ 4. 322 BCE

**Q.6** In which of the following years did the Government of India disinvest 51% of shares of Bharat Aluminium Company Limited (BALCO) to Sterlite Industries (India) Limited, now Vedanta Limited?

- Ans**
- ☐ 1. 1997
  - ☐ 2. 2008
  - ☒ 3. 2001
  - ☐ 4. 2004

**Q.7** At the 2025 British Book Awards gala in central London, who received the Freedom to Publish award?

- Ans**
- ☐ 1. JK Rowling
  - ☒ 2. Margaret Atwood
  - ☐ 3. Salman Rushdie
  - ☐ 4. Hilary Mante

**Q.8** Which Indian astronaut participated in the Axiom Mission-4 to the ISS in 2025 to conduct space agriculture experiments?

- Ans**
- ☐ 1. Sunita Williams
  - ☐ 2. Kalpana Chawla
  - ☐ 3. Rakesh Sharma
  - ☒ 4. Shubhanshu Shukla

**Q.9** Which hazardous pesticide was agreed to be eliminated under the Stockholm Convention held in Geneva in 2025?

- Ans**
- ☐ 1. Glyphosate
  - ☒ 2. Chlorpyrifos
  - ☐ 3. DDT
  - ☐ 4. Atrazine

**Q.10** As of May 2025, what is the total number of Higher Education Institutions (HEIs) in India?

- Ans**
- ☒ 1. 70,683
  - ☐ 2. 60,000
  - ☐ 3. 72,000
  - ☐ 4. 65,300

**Q.11** Which of the following Indian states is bordered by both the Bay of Bengal and the Eastern Ghats?

- Ans**
- ☒ 1. Odisha
  - ☐ 2. Punjab
  - ☐ 3. Gujarat
  - ☐ 4. Karnataka

**Q.12** According to the National Forest Policy 1988, how much percentage of the total area of the country should be under forest in order to maintain ecological balance?

- Ans**
- ☐ 1. 25%
  - ☒ 2. 33%
  - ☐ 3. 20%
  - ☐ 4. 28%

**Q.13** Under which Article of the Indian Constitution is citizenship at the commencement of the Constitution defined?

- Ans**
- ☐ 1. Article 6
  - ☐ 2. Article 10
  - ☐ 3. Article 11
  - ☒ 4. Article 5

**Q.14** How can you resize a window using its corners or borders in Windows?

- Ans**
- ☐ 1. Click the middle of the window and press Ctrl.
  - ☐ 2. Press Alt + Enter to auto-resize the window.
  - ☐ 3. Drag the title bar to change the size.
  - ☒ 4. Place the mouse pointer over a border or corner until it turns into a double-headed arrow, then drag.

**Q.15** Which of the following joint military exercises between India and Mongolia commenced its 17<sup>th</sup> edition in Ulaanbaatar on 31 May 2025?

- Ans**
- ☐ 1. Yudh Abhyas
  - ☐ 2. Vajra Prahar
  - ☐ 3. Garuda Shakti
  - ☒ 4. Nomadic Elephant

**Q.16** Who was the Chairman and Chief Executive Officer (CEO) of the Railway Board as on 1<sup>st</sup> May 2025?

- Ans**
- ☐ 1. Naveen Gulati
  - ☒ 2. Satish Kumar
  - ☐ 3. Hitendra Malhotra
  - ☐ 4. Braj Mohan Agrawal

**Q.17** In the Gupta period, the term Udranga referred to \_\_\_\_\_.

- Ans**
- ☐ 1. tax on trade goods
  - ☐ 2. toll tax on rivers
  - ☒ 3. land tax
  - ☐ 4. royal donation to temples

**Q.18** What was India's total non-fossil fuel installed capacity as of November 2024, as per the Ministry of New and Renewable Energy?

- Ans**
- ☐ 1. 223.70 GW
  - ☐ 2. 263.70 GW
  - ☐ 3. 243.70 GW
  - ☒ 4. 213.70 GW

**Q.19** Who has developed the technology enabling India to shoot down fixed-wing drones using a laser beam?

- Ans**
- ☐ 1. Armed Forces Tribunal, Delhi
  - ☐ 2. Armed Forces Medical College (AFMC)
  - ☐ 3. Aeronautical Development Agency
  - ☒ 4. Defence Research Development Organisation

**Q.20** Which of the following is the correct sequence to create a new file in WordPad on a Windows computer?

- Ans**
- ☐ 1. File → Open → New Document
  - ☒ 2. File → New
  - ☐ 3. Home → New File
  - ☐ 4. Insert → New File

**Q.21** The hot weather season in India is generally observed from:

- Ans**
- ☐ 1. October to November
  - ☒ 2. March to May
  - ☐ 3. December to February
  - ☐ 4. June to September

**Q.22** What is the relation between the speed of sound ( $v$ ), its wavelength ( $\lambda$ ) and time period ( $T$ )?

- Ans**
- ☐ 1.  $v = \lambda \times T$
  - ☒ 2.  $v = \lambda / T$
  - ☐ 3.  $v = \lambda + T$
  - ☐ 4.  $v = T / \lambda$

**Q.23** Which classical Sanskrit play was written by Kalidasa?

- Ans**
- ☐ 1. Mudrarakshasa
  - ☐ 2. Svapnavasavadattam
  - ☒ 3. Abhijnana-Shakuntalam
  - ☐ 4. Mrichchhakatika

**Q.24** Which city hosted the International Air Transport Association (IATA) Annual General Meeting and World Air Transport Summit in June 2025?

- Ans**
- ☐ 1. Hyderabad
  - ☐ 2. Bengaluru
  - ☒ 3. New Delhi
  - ☐ 4. Mumbai

**Q.25** Which organisation was established in 1817 to promote Western education among Indians?

- Ans**
- ☒ 1. Hindoo College
  - ☐ 2. Aligarh Movement
  - ☐ 3. Arya Samaj
  - ☐ 4. Brahmo Samaj

**Q.26** Tourism in India contributes to which type of economic activity?

- Ans**
- ☐ 1. Secondary
  - ☒ 2. Tertiary
  - ☐ 3. Quinary
  - ☐ 4. Primary

**Q.27** He was a militant nationalist who believed that the only way to India's freedom is through mass protests, especially by the youth. For this purpose, he began celebrating local festivals like Ganesh Chaturthi and Shivaji Jayanti on a grand scale, urging the youth to join in. He was also the editor of 'Kesari', a Marathi newspaper, which became one of the strongest critics of British rule. The leader in question is:

- Ans**
- ☒ 1. Bal Gangadhar Tilak
  - ☐ 2. Bipin Chandra Pal
  - ☐ 3. Lala Lajpat Rai
  - ☐ 4. Gopal Krishna Gokhale

**Q.28** Diabetes mellitus is caused by the inadequate secretion of which hormone?

- Ans**
- ☐ 1. Estrogen
  - ☒ 2. Insulin
  - ☐ 3. Adrenaline
  - ☐ 4. Thyroxine

**Q.29** The earliest documented evidence of puppetry in India is in which of the following languages?

- Ans**
- ☐ 1. Bengali
  - ☐ 2. Sanskrit
  - ☐ 3. Gujarati
  - ☒ 4. Tamil

**Q.30** The Right to Constitutional Remedies, allowing individuals to move the Supreme Court directly for the enforcement of rights, is given under:

- Ans**
- ☐ 1. Article 31
  - ☒ 2. Article 32
  - ☐ 3. Article 30
  - ☐ 4. Article 33

**Q.31** Raja Ram Mohan Roy was an active social reformer who spoke greatly for the problems faced by women. He was an inseparable agent who brought down the social evil of 'sati'. The reform association founded by him was:

- Ans**
- ☐ 1. Arya Samaj
  - ☐ 2. Prarthana Samaj
  - ☒ 3. Brahmo Samaj
  - ☐ 4. Ramakrishna Mission

**Q.32** The 'Handball at School' initiative launched in 2025 to promote handball at the grassroots level in India is a collaboration between which organisations?

- Ans**
- ☒ 1. International Handball Federation and Asian Handball Federation
  - ☐ 2. Ministry of Youth Affairs and Sports and National Handball Federation
  - ☐ 3. All India School Sports Federation and Handball Association of India
  - ☐ 4. Indian Olympic Association and Sports Authority of India

**Q.33** Which of the following pairs of Indian states share international borders with Bangladesh?

- Ans**
- ☐ 1. Manipur and Assam
  - ☐ 2. Sikkim and Manipur
  - ☒ 3. West Bengal and Tripura
  - ☐ 4. Nagaland and Punjab

**Q.34** Public Interest Litigation (PIL) in India is primarily associated with which of the following?

- Ans**
- ☐ 1. Police investigations
  - ☒ 2. Judicial activism
  - ☐ 3. Election Commission
  - ☐ 4. Judicial review

**Q.35** Centralised planning influenced India's industrial strategy for decades. Under which five-year plan were small-scale industries given specific protection and incentives?

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

**Q.36** What was the significant change in funding norms for National Sports Federations (NSFs) announced by the Indian government in 2025?

- Ans**
- ☒ 1. Allocation of at least 20% of their annual budget toward junior and youth development programmes
  - ☐ 2. Elimination of funding for foreign coaches in order to promote Indian coaches and youth development programmes
  - ☐ 3. Decrease in coach salaries
  - ☐ 4. Reduction in financial assistance for training athletes

**Q.37** What is the name of the glycoprotein produced in the liver that plays a crucial role in blood clotting?

- Ans**
- ☒ 1. Fibrinogen
  - ☐ 2. Cadherin
  - ☐ 3. Mucins
  - ☐ 4. Selectin

**Q.38** The foundation day anniversaries of which two Indian states was celebrated on 20 February 2025?

- Ans**
- ☐ 1. Meghalaya and Tripura
  - ☐ 2. Nagaland and Sikkim
  - ☒ 3. Arunachal Pradesh and Mizoram
  - ☐ 4. Assam and Manipur

**Q.39** How is a long and healthy life measured in HDI?

- Ans**
- ☐ 1. Number of doctors
  - ☐ 2. Access to hospitals
  - ☒ 3. Life expectancy at birth
  - ☐ 4. Health insurance coverage

**Q.40** As per the Press Information Bureau release dated March 10, 2025, what is a major feature of the Bills of Lading Bill, 2025?

- Ans**
- ☐ 1. Fixing freight rates for maritime shipments
  - ☐ 2. Replacing paper bills with biometric authentication
  - ☒ 3. Modernising India's maritime laws by replacing the old law
  - ☐ 4. Mandating insurance for all cargo vessels

Q.1

The value of  $\frac{3}{4} + \left( \frac{1}{1 + \frac{5}{6}} \right) - \frac{3}{5}$  is

Ans

- ☐ 1.  $\frac{145}{229}$   
☒ 2.  $\frac{153}{220}$   
☐ 3.  $\frac{146}{225}$   
☐ 4.  $\frac{162}{227}$

Q.2

The simple interest on a certain sum for  $3\frac{5}{9}$  years at the rate of 2.7% per annum is ₹2,808.

What will be the amount payable on the same sum at the rate of 9.2% per annum simple interest in  $5\frac{2}{3}$  years?

Ans

- ☒ 1. ₹44,499  
☐ 2. ₹44,482  
☐ 3. ₹44,514  
☐ 4. ₹44,489

Q.3

Find the volume (in  $\text{cm}^3$ ) of a sphere having a diameter of 16.8 cm, giving your answer correct to two decimal places.

Take  $\pi = \frac{22}{7}$ .

Ans

- ☐ 1. 2493.71  
☐ 2. 2503.71  
☐ 3. 2473.71  
☒ 4. 2483.71

Q.4

The marks scored by 10 students are given below.

12, 13, 14, 11, 16, 11, 12, 17, 15, 12

The mode of the data is:

Ans

- ☐ 1. 14  
☐ 2. 13  
☒ 3. 12  
☐ 4. 11

Q.5

The value of  $\sqrt{400} + \sqrt{0.0289} - \sqrt{7.84} =$

Ans

- ☐ 1. 16.15  
☒ 2. 17.37  
☐ 3. 15.86  
☐ 4. 12.83

Q.6

Simplify:  $3 \left( \left( \frac{6}{3} \right) x^2 - 29x + 14 \right) - 6(x^2 + 5x - 13)$

Ans

- ☐ 1.  $117x + 120$   
☐ 2.  $117x - 120$   
☐ 3.  $-117x - 120$   
☒ 4.  $-117x + 120$

**Q.7** If the sum of the interior angles of a regular polygon is equal to four times the sum of its exterior angles, then what is the number of diagonals in the polygon?

- Ans**
- ☐ 1. 31
  - ☐ 2. 33
  - ☒ 3. 35
  - ☐ 4. 28

**Q.8** The selling price of 50 books is equal to the cost price of 15 books. Find the loss or gain percentage on these books.

- Ans**
- ☐ 1.  $\frac{100}{35}\%$  gain
  - ☒ 2. 70% loss
  - ☐ 3.  $\frac{100}{35}\%$  loss
  - ☐ 4. 70% gain

**Q.9** Find the mean proportional of 81 and 36.

- Ans**
- ☐ 1. 56
  - ☐ 2. 52
  - ☒ 3. 54
  - ☐ 4. 53

**Q.10** By how much is 65% of 75 greater than  $\frac{3}{5}$  of 35?

- Ans**
- ☒ 1. 27.75
  - ☐ 2. 25.75
  - ☐ 3. 21.75
  - ☐ 4. 24.75

**Q.11** The population of a district is 360000, out of which 231000 are males. 66% of the population is literate. If 66% males are literate, then what percentage of females are literate?

- Ans**
- ☐ 1. 67%
  - ☒ 2. 66%
  - ☐ 3. 63%
  - ☐ 4. 64%

**Q.12** By selling 6 lemons for a rupee, a man loses 30%. To gain 5% how many must he sell for a rupee?

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

**Q.13** Which of the following numbers divides 5,63,607?

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



Q.14 Evaluate:  $(-9) - (-60) \div (-10) + (-4) \times 8$

- Ans
- ☐ 1. -49
  - ☐ 2. -50
  - ☐ 3. -46
  - ☒ 4. -47

Q.15 If one trouser is offered free on the purchase of three trousers, what is the effective discount percentage?

- Ans
- ☐ 1. 15%
  - ☐ 2. 20%
  - ☐ 3. 30%
  - ☒ 4. 25%

Q.16 Sapna invested ₹20,300 on simple interest, partly at the rate of 5% per annum and partly at the rate of 9% per annum. If she earns equal interests from the two investments after 7 years, then find the sum invested at the rate of 5% per annum (in ₹).

- Ans
- ☐ 1. 13,052
  - ☒ 2. 13,050
  - ☐ 3. 13,051
  - ☐ 4. 13,049

Q.17 3 years ago, the age of a father was 40 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

- Ans
- ☒ 1. 37
  - ☐ 2. 32
  - ☐ 3. 33
  - ☐ 4. 38

Q.18 A bus travelling at 84 km/hr completes a journey in 6 hours. What should be its speed to cover the same distance in 12 hours?

- Ans
- ☐ 1. 44 km/hr
  - ☒ 2. 42 km/hr
  - ☐ 3. 32 km/hr
  - ☐ 4. 46 km/hr

Q.19 Pankaj, Juhi and Siddharth invested ₹1,020, ₹1,740 and ₹1,840, respectively to start a business. If the profit at the end of the year is ₹1,050, what is Siddharth's share of the profit?

- Ans
- ☐ 1. ₹423
  - ☐ 2. ₹418
  - ☒ 3. ₹420
  - ☐ 4. ₹422

Q.20 Simplify:  $\sec^2\phi \cot^2\phi - \frac{1}{\tan^2\phi} + 2\left(\frac{1}{\operatorname{cosec}^2\phi} + \frac{1}{\sec^2\phi}\right)$

- Ans
- ☐ 1. 1
  - ☒ 2. 3
  - ☐ 3. 0
  - ☐ 4. 2

**Q.21** The average runs scored by a batsman in 23 matches is 44. In the next 10 matches, the batsman scored an average of 13 runs. Find his average (rounded off to two decimals) in all the 33 matches?

- Ans**
- ☐ 1. 35.61
  - ☒ 2. 34.61
  - ☐ 3. 33.61
  - ☐ 4. 36.61

**Q.22** Find the H.C.F. and L.C.M. of 0.48, 1.20 and 1.68.

- Ans**
- ☐ 1. H.C.F. = 0.24; L.C.M. = 4.80
  - ☐ 2. H.C.F. = 0.12; L.C.M. = 2.40
  - ☐ 3. H.C.F. = 0.12; L.C.M. = 1.68
  - ☒ 4. H.C.F. = 0.24; L.C.M. = 16.8

**Q.23** M and N start a business. M invests ₹33,000 more than N for 2 months and N invests for 7 months. M's share is ₹605 more than that of N, out of a total profit of ₹1,815. Find the capital contributed by M.

- Ans**
- ☒ 1. ₹38,500
  - ☐ 2. ₹38,339
  - ☐ 3. ₹38,697
  - ☐ 4. ₹38,300

**Q.24** A can lay railway track between two given stations in 20 days and B can do the same job in 15 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

- Ans**
- ☐ 1.  $1\frac{8}{13}$  days
  - ☐ 2.  $11\frac{8}{13}$  days
  - ☒ 3.  $4\frac{8}{13}$  days
  - ☐ 4.  $10\frac{8}{13}$  days

**Q.25** A mobile phone is marked at ₹30,000. Successive discounts of 20% and 10% are applied. What is the final selling price?

- Ans**
- ☐ 1. ₹24,000
  - ☐ 2. ₹22,600
  - ☒ 3. ₹21,600
  - ☐ 4. ₹24,600

**Q.26** Train A leaves station M at 6:40 AM and reaches station N at 3:40 PM on the same day. Train B leaves station N at 8:40 AM and reaches station M at 2:40 PM on the same day. Find the time when trains A and B meet.

- Ans**
- ☒ 1. 11:28 AM
  - ☐ 2. 1:28 PM
  - ☐ 3. 11:58 AM
  - ☐ 4. 12:28 PM

**Q.27** The ratio between the perimeter and the length of a rectangle is 3 : 1. If the area of the rectangle is  $180.5 \text{ cm}^2$ , then what is the breadth of the rectangle?

- Ans**
- ☐ 1. 38 cm
  - ☐ 2. 21 cm
  - ☐ 3. 19 cm
  - ☒ 4. 9.5 cm

**Q.28** The product of two consecutive positive natural numbers is 462. The greater of the two numbers is:

- Ans**
- ☒ 1. 22
  - ☐ 2. 24
  - ☐ 3. 23
  - ☐ 4. 21

**Q.29** 8 men can complete a piece of work in 5 days, while 8 women can do it in 15 days. In how many days can 3 women and 4 men complete this work?

- Ans**
- ☐ 1. 5 days
  - ☒ 2. 8 days
  - ☐ 3. 7 days
  - ☐ 4. 9 days

**Q.30** The H.C.F. and the L.C.M. of two numbers are 4 and 3360 respectively. If one of the numbers is 96, find the other one.

- Ans**
- ☐ 1. 92
  - ☐ 2. 116
  - ☐ 3. 164
  - ☒ 4. 140

Section : General Intelligence and Reasoning

**Q.1** What should come in place of the question mark (?) in the given series?

9 11 19 61 239 ?

- Ans**
- ☒ 1. 1201
  - ☐ 2. 1120
  - ☐ 3. 1102
  - ☐ 4. 1021

**Q.2** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LEB QJG VOL ATQ ?

- Ans**
- ☒ 1. FYV
  - ☐ 2. FVY
  - ☐ 3. FYU
  - ☐ 4. FRT

**Q.3** 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 geysers are fans. No fan is a bulb.

**Conclusions (I):** No geyser is a bulb.

**Conclusions (II):** Some fans are geysers.

- 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.4** 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?

48 A 3 C 21 D 8 B 3 = ?

- Ans**
- ☐ 1. 2
  - ☒ 2. 13
  - ☐ 3. 6
  - ☐ 4. 10

**Q.5** What should come in place of the question mark (?) in the given series?  
38 41 47 59 83 ?

- Ans**
- ☒ 1. 131
  - ☐ 2. 121
  - ☐ 3. 132
  - ☐ 4. 145

**Q.6** In a certain code language,  
A \$ B means 'A is the mother of B',  
A + B means 'A is the brother of B',  
A @ B means 'A is the wife of B',  
and A ÷ B means 'A is the father of B'.

How is E related to N if 'E \$ F @ G ÷ M + N'?

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

**Q.7** 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. ES - AN
  - ☐ 2. NB - KW
  - ☐ 3. WI - TD
  - ☐ 4. KX - HS

**Q.8** EGLU is related to CDJR in a certain way based on the English alphabetical order. In the same way, WUDI is related to URBV. To which of the given options is QLXZ related, following the same logic?

- Ans**
- ☐ 1. OVIT
  - ☒ 2. OIVW
  - ☐ 3. YOBH
  - ☐ 4. OWVI

**Q.9** Salman ranked 24<sup>th</sup> from the top and 11<sup>th</sup> from the bottom in his class. How many students are there in his class?

- Ans**
- ☐ 1. 33
  - ☒ 2. 34
  - ☐ 3. 31
  - ☐ 4. 32

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

O50P R51S U54V X59Y ?

- Ans**
- ☐ 1. A65B
  - ☐ 2. Z65B
  - ☐ 3. Z66A
  - ☒ 4. A66B

**Q.11** This question is based on the five, three-digit numbers given below.

(Left) 415 672 456 782 324 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

(NOTE: All operations to be done from left to right.)

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

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

**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. IDH
  - ☐ 2. SNQ
  - ☐ 3. MHK
  - ☐ 4. PKN

**Q.13** Each of the digits in the number 9123547 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

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

**Q.14** 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 8 5 @ 8 σ 9 π % 2 8 # 1 2 \$ \* 8 1 π 5 (Right)

How many such even numbers are there, which are immediately preceded by a symbol and also immediately followed by an even number?

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

**Q.15** In a certain code language, 'TASK' is coded as '4628' and 'KIND' is coded as '1385'. What is the code for 'K' in the given code language?

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

**Q.16** What should come in place of the question mark (?) in the given series?  
58, 64, 70, 76, 82, ?

- Ans**
- ☒ 1. 88
  - ☐ 2. 85
  - ☐ 3. 79
  - ☐ 4. 78

**Q.17** Seven people, I, J, K, L, P, Q and R, are sitting in a row, facing north. Only three people sit between P and J. R sits to the immediate left of J. No one sits to the right of I. Only two people sit between I and R. Q sits to the immediate right of L. How many people sit between K and Q?

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

**Q.18** 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. LGK
  - ☒ 2. HCF
  - ☐ 3. PKO
  - ☐ 4. UPT

**Q.19** Seven boxes A, B, C, D, E, F, and G are kept one over the other but not necessarily in the same order.  
Only three boxes are kept below F. Only two boxes are kept between F and G. Only B is kept above D. A is kept at some place below E and at some place above C.  
How many boxes are kept above E?

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

**Q.20** Shivani starts from point X and drives 11 km towards the east. She then takes a left turn, drives 5 km, turns right and drives 5 km. She then takes a right turn and drives 2 km. She then takes a right turn, drives 7 km. She then takes a left turn and drives 10 km. She then takes a final right turn and drives 9 km and stops at point Z. How far (shortest distance) and towards which direction should she drive in order to reach point X again? (All turns are 90 degrees unless specified)

- Ans**
- ☐ 1. 5 km south
  - ☐ 2. 10 km north
  - ☒ 3. 7 km north
  - ☐ 4. 7 km south

**Q.21** L, M, N, O, Q, R, and S are sitting around a circular table facing the centre of the table. Only four people sit between Q and M when counted from the right of Q. Q sits third to the left of O. L sits third to the left of R. S is an immediate neighbor of both M and O. How many people sit between N and S when counted from the right of N?

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

**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 pencils are copies.  
Some copies are erasers.

**Conclusions**

(I): Some pencils are erasers.

(II): Some erasers are copies.

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

**Q.23** DWQR is related to VOIJ in a certain way based on the English alphabetical order. In the same way, XQKL is related to PICD. To which of the given options is ZSMN related, following the same logic?

- Ans**
- ☐ 1. REKF
  - ☒ 2. RKEF
  - ☐ 3. RFKI
  - ☐ 4. RIKF

**Q.24** Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(11, 110, 11)  
(8, 59, 5)

- Ans**
- ☐ 1. (17, 284, 4)
  - ☐ 2. (47, 2187, 21)
  - ☐ 3. (12, 130, 13)
  - ☒ 4. (17, 270, 19)

**Q.25** AXUJ is related to DBZP in a certain way based on the English alphabetical order. In the same way, MNOH is related to PRTN. To which of the given options is VZDZ related, following the same logic?

- Ans**
- ☐ 1. YFID
  - ☐ 2. YIGF
  - ☒ 3. YDIF
  - ☐ 4. YDFI

**Q.26** In a certain code language, 'REPS' is coded as '7531' and 'EARS' is coded as '3217'. What is the code for 'A' in the given code language?

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

**Q.27** Joe walks east for 60 m from his house. He then takes a left turn and walks for 20 m, turns left and walks for 80 m. He then turns left and walks for 30 m, turns left and walks for 30 m. He takes a final left turn and walks for 10 m and stops. How far (shortest distance) and in which direction he should move in order to reach his house? (All turns are 90-degree turns only unless specified.)

- Ans**
- ☐ 1. 10 m towards the north
  - ☐ 2. 10 m towards the east
  - ☒ 3. 10 m towards the west
  - ☐ 4. 10 m towards the south

**Q.28** If 1 is added to each even digit of the number 85624179 then the digits are arranged in ascending order from left to right. Find the product of the digits which are second from the left end and third from the right end.

- Ans**
- ☐ 1. 24
  - ☐ 2. 14
  - ☒ 3. 21
  - ☐ 4. 16

**Q.29** If + means -, - means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$22 \div 85 \times 5 + 12 - 2 = ?$$

- Ans**
- ☐ 1. 37
  - ☐ 2. 23
  - ☐ 3. 30
  - ☒ 4. 15

**Q.30** Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only Y is kept above Z. Only two boxes are kept between Z and Q. Only V is kept below W. X is not kept immediately above Q. Which box is kept fourth from the top?

- Ans**
- ☒ 1. R
  - ☐ 2. V
  - ☐ 3. W
  - ☐ 4. X