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	19/08/2025
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 event is considered the turning point in Gandhi's political life, converting him from a moderate to a mass leader?

Ans ✗ 1. Jallianwala Bagh Massacre

✗ 2. Salt Satyagraha

✗ 3. Rowlatt Act protest

✔ 4. Champaran Satyagraha

Q.2 In which Indian state is Rushikonda Beach, which received the Blue Flag Beach certification in 2023, located?

Ans ✔ 1. Andhra Pradesh

✗ 2. Gujarat

✗ 3. Tamil Nadu

✗ 4. Kerala

Q.3 Which Indian sprinter won both the 100 m and 200 m titles at the Indian Open Athletics 2025?

Ans ✗ 1. Archana Suseendran

✗ 2. Hima Das

✔ 3. Srabani Nanda

✗ 4. Dutee Chand

Q.4 Which of the following countries is located to the southeast of India?

Ans ✗ 1. China

✗ 2. Bhutan

✗ 3. Nepal

✔ 4. Sri Lanka

Q.5 Which DRDO-developed missile is India's first indigenous air-launched anti-ship missile?

Ans ✔ 1. NASM-SR

✗ 2. BrahMos

✗ 3. Varunastra

✗ 4. Astra

Q.6 What was the primary objective of the 88th Constitutional Amendment Act, 2003?

Ans ✗ 1. Abolition of Privy Purses

✓ 2. Provision for Service Tax

✗ 3. Introduction of GST

✗ 4. Formation of the NJAC

Q.7 In which year did French physicist Sadi Carnot create the Carnot engine, which uses thermodynamic principles to function as an ideal heat engine?

Ans ✗ 1. 1830

✗ 2. 1820

✓ 3. 1824

✗ 4. 1813

Q.8 The Paris Agreement is a significant agreement aimed at keeping global warming well below Celsius.

Ans ✗ 1. 1°

✗ 2. 3°

✓ 3. 2°

✗ 4. 4°

Q.9 Which authority is the appellate body under the RTI Act?

Ans ✗ 1. Chief Vigilance Commission

✗ 2. National Human Rights Commission

✗ 3. Lokpal

✓ 4. Central Information Commission

Q.10 Which keyboard shortcut allows you to select multiple specific files or folders at once?

Ans ✗ 1. Tab + Click

✗ 2. Alt + Click

✓ 3. Ctrl + Click

✗ 4. Shift + Click

Q.11 What defines land as "Culturable Wasteland" in land revenue records in India?

Ans ✗ 1. Urban infrastructure land

✓ 2. Land that is fallow for over five years

✗ 3. Land under tree crops

✗ 4. Barren rocky land

Q.12 Which country held federal elections after the collapse of its coalition government amid economic unrest?

Ans ✗ 1. Spain

✓ 2. Germany

✗ 3. France

✗ 4. Italy

Q.13 The drain of wealth theory was a major critique of colonial economic policies. Who propounded the 'Drain of wealth theory' in the late 19th century?

Ans ✓ 1. Dadabhai Naoroji

✗ 2. Mahatma Gandhi

✗ 3. Gopal Krishna Gokhale

✗ 4. Jawaharlal Nehru

Q.14 Which Indian institution collaborated with Inria Saclay in May 2025 to develop an AI tool aimed at combating antimicrobial resistance by identifying alternative antibiotics?

Ans ✗ 1. IISc Bangalore

✓ 2. IIIT-Delhi

✗ 3. IIT Madras

✗ 4. IIT Bombay

Q.15 What is the name of India's newly launched high-resolution, fully indigenous weather prediction platform in May 2025?

Ans ✓ 1. Bharat Forecast System

✗ 2. IndraNet

✗ 3. VarshaNet

✗ 4. Mausam 2.0

Q.16 Which of the following architectural styles is predominantly associated with the Gateway of India in Mumbai?

Ans ✓ 1. Indo-Saracenic

✗ 2. Art Deco

✗ 3. Bauhaus

✗ 4. Victorian Gothic

Q.17 In which landmark case did the Supreme Court of India impose a three-month deadline for the President to give assent to State Bills reserved under Article 201?

Ans ✗ 1. Minerva Mills vs. Union of India (1980)

✗ 2. SR Bommai vs. Union of India (1994)

✓ 3. State of Tamil Nadu vs. Governor of Tamil Nadu (2023)

✗ 4. Kesavananda Bharati vs. State of Kerala (1973)

Q.18 Which Constitutional Amendment introduced a cap on the size of the State Council of Ministers?

Ans ✗ 1. 73rd Constitutional Amendment Act, 1992

✓ 2. 91st Constitutional Amendment Act, 2003

✗ 3. 61st Constitutional Amendment Act, 1988

✗ 4. 42nd Constitutional Amendment Act, 1976

Q.19 Which irrigation method is considered most efficient for water conservation in agriculture?

Ans ✗ 1. Furrow

✓ 2. Drip

✗ 3. Flood

✗ 4. Sprinkler

Q.20 Which site provides archaeological evidence of the earliest known urban civilisation in the Indian subcontinent with planned city structures?

Ans ✗ 1. Mehrgarh

✓ 2. Harappa

✗ 3. Kalibangan

✗ 4. Lothal

Q.21 Which of the following is the correct longitudinal extent of the Prime Meridian?

Ans
✔ 1. 0°
✘ 2. 90° E
✘ 3. 180° E
✘ 4. 23.5° N

Q.22 In which sport did Deepika Kumari earn her 12th individual World Cup medal at the 2025 Shanghai World Cup?

Ans
✔ 1. Archery
✘ 2. Shooting
✘ 3. Table Tennis
✘ 4. Badminton

Q.23 Which of the following Indian English writers created the fictional town of Malgudi?

Ans
✘ 1. Raja Rao
✘ 2. Mulk Raj Anand
✔ 3. RK Narayan
✘ 4. Khushwant Singh

Q.24 Geological Survey of India (GSI) organised a Pan-India Walkathon in March 2025 under which theme?

Ans
✔ 1. Geoscience for a Safe World
✘ 2. Geoscience: Unlocking the Secrets of Climate Change
✘ 3. Geoscience Innovating for Earth and People
✘ 4. Geoscience Everywhere

Q.25 Which of the following is true about the second frigate of Project 1135.6 named 'Tavasya'?

Ans
✘ 1. It has a displacement of approximately 4,500 tons
✘ 2. It is the first frigate of the follow-on order
✘ 3. It was built in Russia and later transferred to India
✔ 4. It was launched at Goa Shipyard Limited on 22 March 2025

Q.26 Which Constitutional Amendment reduced the voting age from 21 years to 18 years in India?

Ans
✔ 1. Sixty-first Amendment Act, 1988
✘ 2. Fifty-second Amendment Act, 1985
✘ 3. Eighty-sixth Amendment Act, 2002
✘ 4. Forty-fourth Amendment Act, 1978

Q.27 Human development also involves freedom, security and dignity in life. The first Human Development Report was published in which year?

Ans
✘ 1. 1971
✔ 2. 1990
✘ 3. 1995
✘ 4. 1980

Q.28 How can you create a new folder in Windows?

Ans
✘ 1. By opening Task Manager
✔ 2. Using the right-click context menu
✘ 3. By changing system date
✘ 4. By restarting the computer

Q.29 Which Indian artist made his debut at Cannes 2025 by showcasing a watercolour inspired by India's diversity?

Ans ✗ 1. Jitish Kallat

✗ 2. Subodh Gupta

✗ 3. Anish Kapoor

✓ 4. Paresh Maity

Q.30 Which body was formed by Gandhi on 24 February 1919 to oppose the Rowlatt Act?

Ans ✗ 1. Congress Committee

✗ 2. Swaraj Sabha

✗ 3. Khilafat Committee

✓ 4. Satyagraha Sabha

Q.31 Why are soft drink and soda water bottles sealed under high pressure in beverage industries?

Ans ✗ 1. To increase the temperature

✗ 2. To prevent freezing

✗ 3. To decrease the amount of sugar

✓ 4. To increase the solubility of carbon dioxide

Q.32 In which of the following years was the first British East India Company founded in India?

Ans ✗ 1. 1620

✓ 2. 1600

✗ 3. 1605

✗ 4. 1588

Q.33 The Supreme Court struck down certain provisions of the Tribunals (Rationalisation and Conditions of Service) Ordinance, 2021. Which provision did the Court declare invalid?

Ans ✗ 1. The rule that tribunal decisions are not appealable to any court

✗ 2. Requirement that all tribunal members be retired judges of High Courts

✗ 3. Establishment of administrative tribunals for service matters (which is in the Constitution)

✓ 4. A fixed four-year tenure limit for tribunal members

Q.34 What is the primary objective of the Dx-EDGE initiative launched in 2025?

Ans ✗ 1. To provide financial subsidies to large corporations

✗ 2. To promote foreign investments in India

✓ 3. To empower MSMEs with digital tools and knowledge

✗ 4. To regulate e-commerce businesses

Q.35 On 29 April 2025, which major facility was inaugurated at the National Centre for Sports Science and Research (NCSSR) to transform athlete rehabilitation and performance tracking in India?

Ans ✗ 1. National Talent Scouting Wing

✓ 2. Return to Play Facility

✗ 3. Elite Coaching Analytics Centre

✗ 4. Sports Nutrition Research Lab

Q.36 Who among the following are eligible for the training programs under Deen Dayal Upadhyay – Gramin Kaushalya Yojana (DDU-GKY)?

Ans ✓ 1. Individuals between the ages of 15 and 35 years

✗ 2. Individuals between the ages of 15 and 25 years

✗ 3. Individuals between the ages of 18 and 35 years

✗ 4. Individuals between the ages of 25 and 55 years

Q.37 Digital literacy is now essential for human development in the knowledge economy. Which programme was launched to promote digital literacy among rural citizens in India?

Ans ✗ 1. BharatNet

✓ 2. PMGDISHA

✗ 3. Digital India

✗ 4. PM-WANI

Q.38 Which of the following Fundamental Rights is guaranteed under Article 25 of the Indian Constitution?

Ans ✗ 1. Right to move the Supreme Court

✓ 2. Right to freedom of religion

✗ 3. Right against untouchability

✗ 4. Right to culture and language

Q.39 The Battle of Plassey 1757 was fought between the British forces led by Robert Clive and the Nawab of Bengal _____.

Ans ✗ 1. Shah Alam II

✗ 2. Alivardi Khan

✗ 3. Sarfaraz Khan

✓ 4. Siraj-ud-Daula

Q.40 Which of the following physical quantities has zero dimension in mass and time?

Ans ✗ 1. Force

✗ 2. Work

✓ 3. Volume

✗ 4. Momentum

Section : **Mathematics**

Q.1 Two successive discounts of 65% and 24% are equivalent to a single discount of _____.

Ans ✗ 1. 77%

✗ 2. 74.5%

✗ 3. 76.6%

✓ 4. 73.4%

Q.2 If 38% of first number is equal to two-sevenths of second number, what is the ratio of first number to the second number?

Ans ✗ 1. 101 : 129

✗ 2. 103 : 132

✓ 3. 100 : 133

✗ 4. 96 : 131

Q.3 The selling price of 50 books is equal to the cost price of 39 books. Find the loss or gain percentage.

Ans

✗ 1. $\dfrac{100}{11}\% \, gain$

✗ 2. $\dfrac{100}{11}\% \, loss$

✓ 3. 22% loss

✗ 4. 22% gain

Q.4 The sum of the squares of two consecutive odd natural numbers is 34. The sum of the numbers is:

Ans

✓ 1. 8

✗ 2. 28

✗ 3. 24

✗ 4. 18

Q.5 Sapna invested ₹22,800 on simple interest, partly at 14% per annum and partly at 7% per annum. If she earns equal interests from the two investments after 6 years, then find the sum invested at 14% per annum (in ₹).

Ans

✓ 1. 7,600

✗ 2. 7,599

✗ 3. 7,597

✗ 4. 7,603

Q.6 A shopkeeper purchased an item listed at ₹1,600 after receiving two successive discounts of 35% and 5% from the wholesaler. The shopkeeper then changed the list price so as to gain 25% after allowing 5% discount. For how much did he list the item?

Ans

✗ 1. ₹1,388

✗ 2. ₹1,200

✗ 3. ₹1,235

✓ 4. ₹1,300

Q.7 In an election between two candidates 87% of the registered voters cast their vote and 5% of the votes polled were found invalid. The winning candidate got 52% of the valid votes and won the election by a margin of 1653 votes. How many voters were registered?

Ans

✗ 1. 50001

✗ 2. 50003

✓ 3. 50000

✗ 4. 49998

Q.8 Find the curved surface area of a sphere whose radius is 2.8 cm.

$$\left(Use \ \pi \ = \frac{22}{7} \right)$$

Ans

✓ 1. 98.56 cm^2

✗ 2. 97.52 cm^2

✗ 3. 95.32 cm^2

✗ 4. 91.28 cm^2

Q.9 Ritik and Sanjay together invested ₹62,400 in a business. At the end of the year, out of a total profit of ₹15,600, Sanjay's share was ₹1,900. What was the difference between their investments?

Ans

✗ 1. ₹46,800

✓ 2. ₹47,200

✗ 3. ₹47,000

✗ 4. ₹46,200

Q.10 A number when increased by 100% gives 2740. The number is:

Ans

✗ 1. 4110

✓ 2. 1370

✗ 3. 685

✗ 4. 2740

Q.11 Shan bought some sharpeners at the rate of ₹150 a dozen. He sold them for ₹19 each. His profit percentage is _____%.

Ans

✗ 1. 56

✗ 2. 54

✗ 3. 50

✓ 4. 52

Q.12 In △ABC, BD ⊥ AC at D and ∠DBC = 65°. E is a point on BC such that ∠CAE = 48°. What is the measure of ∠AEB?

Ans

✗ 1. 77°

✓ 2. 73°

✗ 3. 76°

✗ 4. 79°

Q.13 If the interest earned during the 2nd year on a certain sum is ₹9,828, and the rate of interest is 12% per annum compounded annually, then the sum is:

Ans

✗ 1. ₹73,520

✗ 2. ₹73,475

✓ 3. ₹73,125

✗ 4. ₹72,185

Q.14 What is the mode of the following data?
67, 75, 81, 70, 65, 61, 65, 84, 75, 76, 85, 89, 62, 84, 72, 74, 89, 68, 83, 60, 82, 82, 66, 77, 75

Ans

✗ 1. 81

✓ 2. 75

✗ 3. 70

✗ 4. 67

Q.15 The average of first 158 even numbers is

Ans

✗ 1. 160

✗ 2. 159.5

✗ 3. 158.5

✓ 4. 159

Q.16 Find the value of: $47^{-11} \div 47^{16} \times 47^{-10}$

Ans ✗ 1. 47^{-35}

✓ 2. 47^{-37}

✗ 3. 47^{-27}

✗ 4. 47^{-44}

Q.17 Find the value of x satisfying: $2(4x^2 - 6) - 4(2x^2 + 9x - 3) = 18$

Ans ✗ 1. $-\dfrac{9}{2}$

✗ 2. $\dfrac{3}{2}$

✓ 3. $-\dfrac{1}{2}$

✗ 4. $-\dfrac{5}{2}$

Q.18 Given that $54^{0.2} = x$, $54^{0.47} = y$ and $x^z = y^3$, then the value of z is close to:

Ans ✓ 1. 7.05

✗ 2. 6.17

✗ 3. 9.48

✗ 4. 6.54

Q.19 Train A leaves station M at 6:45 AM and reaches station N at 3:45 PM on the same day.
Train B leaves station N at 8:45 AM and reaches station M at 2:45 PM on the same day.
Find the time when trains A and B meet.

Ans ✗ 1. 11:13 AM

✗ 2. 11:53 AM

✓ 3. 11:33 AM

✗ 4. 12:23 PM

Q.20 X, Y and Z invested a sum in the ratio of 32 : 40 : 68, respectively. If they earned a total
profit of ₹3,210 at the end of the year, what is the difference between the shares of Y and
Z?

Ans ✗ 1. ₹771

✗ 2. ₹742

✓ 3. ₹642

✗ 4. ₹777

Q.21 The largest six digit number which when divided by 3, 5, 7 and 9 leaves remainders 1, 3,
5 and 7, respectively, is:

Ans ✓ 1. 999808

✗ 2. 999998

✗ 3. 999893

✗ 4. 999685

Q.22 A man driving a car at a speed of 72 km/hr crosses a bridge in 4.9 minutes. Find the
length of the bridge.

Ans ✗ 1. 5.68 km

✗ 2. 6.29 km

✓ 3. 5.88 km

✗ 4. 6.91 km

Q.23 The number 966181 is divisible by which of the following?

Ans ✗ 1. 36

✗ 2. 38

✗ 3. 30

✔ 4. 37

Q.24 Solve the following:

$$(\cosec 23° − \sin 23°)(\tan 23° + \cot 23°)(\sec 23° − \cos 23°)$$

Ans ✔ 1. 1

✗ 2. $\tan 23°$

✗ 3. $\sin 23°$

✗ 4. 0

Q.25 The H.C.F. and the L.C.M. of two numbers are 3 and 672, respectively. If one of the numbers is 96, find the other one.

Ans ✗ 1. 3

✗ 2. 48

✗ 3. 94

✔ 4. 21

Q.26 A can do a work in 11 days and B can do the same work in 19 days. If they work on it together for 6 days, then what fraction of the work is left?

Ans

✗ 1. $\dfrac{32}{209}$

✗ 2. $\dfrac{26}{209}$

✗ 3. $\dfrac{24}{209}$

✔ 4. $\dfrac{29}{209}$

Q.27 Four times the present age of P exceeds the present age of Q by 19 years. After 7 years, twice the age of Q will be 47 years less than seven times the age of P at that time. What is the present age of Q (in years)?

Ans ✗ 1. 91

✗ 2. 86

✔ 3. 85

✗ 4. 79

Q.28 A hollow spherical shell is made of a metal of density 7 g/cm³. Its internal and external radii are 1 cm and 2 cm, respectively. What is the weight (in grams) of the shell?

$$\left(\text{Use } \pi = \frac{22}{7}, \text{ and round off your answer to the nearest gram.}\right)$$

Ans ✗ 1. 273

✔ 2. 205

✗ 3. 221

✗ 4. 214

Q.29 Isha can do a certain piece of work in 22 days. Isha and Smriti can together do the same work in 11 days, and Isha, Smriti and Ashlesha can do the same work together in 10 days. In how many days can Isha and Ashlesha do the same work?

Ans

✗ 1. $\dfrac{64}{3}$

✗ 2. $\dfrac{49}{4}$

✔ 3. $\dfrac{55}{3}$

✗ 4. $\dfrac{61}{5}$

Q.30 The value of $\dfrac{3}{4} + \left(\dfrac{1}{1 + \dfrac{3}{7}} \right) - \dfrac{3}{4}$ is

Ans

✗ 1. $\dfrac{5}{16}$

✗ 2. $\dfrac{2}{11}$

✗ 3. $\dfrac{16}{19}$

✔ 4. $\dfrac{7}{10}$

Section : General Intelligence and Reasoning

Q.1 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 mansions are flats.
All flats are buildings.

Conclusions:
(I) Some flats are mansions.
(II) All buildings are mansions.

Ans

✔ 1. Only conclusion (I) follows.

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

✗ 3. Both conclusions (I) and (II) follow.

✗ 4. Only conclusion (II) follows.

Q.2 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

EBF 11, JGK 17, OLP 23, TQU 29, ?

Ans

✗ 1. YUV 35

✗ 2. WUZ 35

✔ 3. YVZ 35

✗ 4. WVZ 24

Q.3 What should come in place of the question mark (?) in the given series?

103, 1000, 9970, 99670, 996670, ?

Ans
✗ 1. 9999670

✗ 2. 9966667

✓ 3. 9966670

✗ 4. 9996670

Q.4 BGSN is related to XLOS in a certain way based on the English alphabetical order. In the same way, TQKX is related to PVGC. To which of the given options is LACH related, following the same logic?

Ans
✗ 1. GEZN

✓ 2. HFYM

✗ 3. FGXO

✗ 4. GFYL

Q.5 What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and '−' and '×' are interchanged?

80 × 16 − 2 ÷ 12 + 4 = ?

Ans
✗ 1. 55

✗ 2. 59

✗ 3. 47

✓ 4. 51

Q.6 Each of the digits in the number 7312648 is arranged in the 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. 11

✗ 2. 5

✗ 3. 7

✓ 4. 9

Q.7 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 crows are sparrows. No crow is a pigeon.

Conclusions (I): No sparrow is a pigeon.
Conclusions (II): Some pigeons are crows.

Ans
✓ 1. Neither conclusion (I) nor (II) follows.

✗ 2. Only conclusion (II) follows.

✗ 3. Both conclusions (I) and (II) follow.

✗ 4. Only conclusion (I) follows.

Q.8 Town Q is to the south of Town R. Town S is to the east of Town R. Town T is to the north of Town S. Town U is to the east of Town T. Town V is to the north-east of Town U. What is the position of Town V with respect to Town Q?

Ans
✗ 1. South-west

✓ 2. North-east

✗ 3. South-east

✗ 4. South

Q.9 Seven people A, B, C, D, E, F and G are sitting in a row, facing the north. Only three people sit to the left of D. B sits third to the left of D. F sits to the right of A but left of D. E sits to the right of C but left of G. How many people sit to the right of F?

Ans ✗ 1. Five

✗ 2. Three

✓ 3. Four

✗ 4. Two

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

10, 30, 90, 270, ?, 2430

Ans ✗ 1. 1080

✗ 2. 540

✓ 3. 810

✗ 4. 720

Q.11 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) € 5 & % 2 7 5 & % 7 8 @ 9 5 $ & # $ @ 2 9 © (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. 5

✓ 3. 3

✗ 4. 4

Q.12 Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

WUP : YYS
OPU : QTX

Ans ✗ 1. PUX : RYZ

✗ 2. RUV : TYZ

✗ 3. XQO : ZTS

✓ 4. UQQ : WUT

Q.13 In a row of 46 people facing the north, Lalita sits 17th from the left end. If only 15 people sit to the right of Damini, then how many people sit between Damini and Lalita?

Ans ✗ 1. 15

✓ 2. 13

✗ 3. 16

✗ 4. 17

Q.14 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.)

(32, 497, 23)
(20, −19, 1)

Ans ✗ 1. (18, −17, 2)

✗ 2. (21, 40, 8)

✗ 3. (3, 3, 3)

✓ 4. (3, 222, 15)

Q.15 Shruti starts from point A and runs 2 km west. She then takes a left turn and runs 1 km. She takes a left turn again and runs 7 km. She then takes a final left turn and runs 1 km to reach a point B. How far (shortest distance) and towards which direction should she run in order to reach point A again? (All turns are 90 degrees turns only unless specified.)

Ans ✓ 1. 5 km west

✗ 2. 2 km west

✗ 3. 5 km east

✗ 4. 7 km east

Q.16 AWER is related to HDLY in a certain way based on the English alphabetical order. In the same way, CYGT is related to JFNA. To which of the given options is XTBO related, following the same logic?

Ans ✗ 1. EVIA

✓ 2. EAIV

✗ 3. EAVI

✗ 4. EVAI

Q.17 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

WIX 15 TKV 12 QMT 9 NOR 6 ?

Ans ✗ 1. KGS 1

✗ 2. QKJ 4

✓ 3. KQP 3

✗ 4. PKG 2

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. NRM

✗ 2. RVQ

✓ 3. LPJ

✗ 4. UYT

Q.19 If 1 is subtracted from each even digit of the number 36719542, find the sum of the digits that are repeated more than once in the new number formed.

Ans ✗ 1. 4

✗ 2. 6

✗ 3. 8

✓ 4. 9

Q.20 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. AGB

✓ 2. IOK

✗ 3. EKF

✗ 4. CID

Q.21 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 6274385, which of the following digits will be third from the right in the new number thus formed?

Ans
✗ 1. 3

✗ 2. 9

✗ 3. 5

✓ 4. 1

Q.22 In a certain code language, 'LACE' is coded as '5689' and 'LEAK' is coded as '5786'. What is the code for 'K' in that language?

Ans
✗ 1. 6

✗ 2. 5

✓ 3. 7

✗ 4. 8

Q.23 In a row of people all facing North, Nima is 17th from the left end. Dina is 27th from the left end. Dina is exactly between Nima and Uma. If Uma is 13th from the right end of the line, how many people are there in the row?

Ans
✓ 1. 49

✗ 2. 47

✗ 3. 48

✗ 4. 50

Q.24 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 £ 4 & $ 7 2 * 5 Ω % 6 1 % & 3 (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. More than two

✗ 2. One

✓ 3. Two

✗ 4. None

Q.25 In a certain code language, 'DUAL' is coded as '4629' and 'ARCS' is coded as '1435'. What is the code for 'A' in the given code language?

Ans
✗ 1. 1

✓ 2. 4

✗ 3. 2

✗ 4. 5

Q.26 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. XRY

✗ 2. TNV

✗ 3. RLT

✗ 4. VPX

Q.27 In a row of 42 people facing north, Soma is 17th from the right end. If Amit sits 9th to the left of Soma, what is Amit's position from the left end of the line?

Ans
✗ 1. 19th

✓ 2. 17th

✗ 3. 16th

✗ 4. 18th

Q.28 Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. Only three people sit to the left of M. Only I sits to the right of O. Only three people sit between O and N. J sits at some place to the left of K but at some place to the right of L. How many people sit between L and K?

Ans
✓ 1. Three

✗ 2. Two

✗ 3. One

✗ 4. Four

Q.29 A is the brother of H. H is the mother of R. R is the son of M. G is the mother of M. How is A related to M?

Ans
✗ 1. Son's son

✓ 2. Wife's brother

✗ 3. Son's wife's brother

✗ 4. Son's wife's father

Q.30 What should come in place of the question mark (?) in the given series?

318 263 213 168 128 ?

Ans
✗ 1. 106

✗ 2. 65

✓ 3. 93

✗ 4. 79