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	12/08/2025
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 Articles deals with the citizenship of people of Indian origin residing outside India?

Ans ✔ 1. Article 8

✗ 2. Article 11

✗ 3. Article 7

✗ 4. Article 9

Q.2 The Indian handicraft industry suffered significant decline under colonial economic policies. What was a major reason for the decline of Indian handicrafts during British rule?

Ans ✗ 1. Environmental degradation

✗ 2. Rise of Indian industry

✔ 3. Influx of machine-made British goods

✗ 4. Lack of domestic demand

Q.3 Which of the following countries does NOT share a land border with India?

Ans ✔ 1. Sri Lanka

✗ 2. Afghanistan

✗ 3. China

✗ 4. Myanmar

Q.4 What is the primary goal of the Indian government's Bhashini project?

Ans ✔ 1. To create a multilingual AI platform for real-time translation among Indian languages

✗ 2. To establish a national database of dialects

✗ 3. To develop a new programming language for Indian developers

✗ 4. To digitise ancient Indian manuscripts

Q.5 What was India's Human Development Index (HDI) value in the 2025 UNDP report?

Ans ✗ 1. 0.690

✗ 2. 0.676

✔ 3. 0.685

✗ 4. 0.700

Q.6 Which desktop element in Windows displays system notifications, date and time, and background apps status?

Ans ✗ 1. File Explorer

✔ 2. Notification Area

✗ 3. Start Menu

✗ 4. Control Panel

Q.7 Article 323B of the Constitution of India (added by the 42nd Amendment) empowers the Parliament to establish tribunals for adjudication of matters related to certain subjects. Which of the following matters is specifically covered under Article 323B?

Ans ✔ 1. Matters such as taxation, foreign exchange, land reforms, etc., which can be assigned to tribunals by legislation

✗ 2. Appointment of Supreme Court judges

✗ 3. Recruitment and service conditions of public servants (civil services)

✗ 4. Only industrial disputes between employers and workers

Q.8 Which sector(s) employed the largest share of the working population in India on the eve of independence?

Ans ✗ 1. Secondary sector

✔ 2. Primary sector

✗ 3. Both tertiary and secondary sectors

✗ 4. Tertiary sector

Q.9 Impulse is defined as _____.

Ans ✗ 1. rate of change of force

✗ 2. change in displacement

✗ 3. product of mass and velocity

✔ 4. product of force and time

Q.10 The First Battle of Panipat was fought in 1526, replacing the Lodi Dynasty with Mughal rule in India. It was fought between Ibrahim Lodi and _____.

Ans ✗ 1. Shah Jahan

✗ 2. Akbar

✗ 3. Aurangzeb

✔ 4. Babar

Q.11 Which state government introduced the Drone Promotion and Utilisation Policy, 2025?

Ans ✔ 1. Madhya Pradesh

✗ 2. Jharkhand

✗ 3. Punjab

✗ 4. Odisha

Q.12 Which leader played the most crucial role in integrating princely states into India post-independence?

Ans ✗ 1. BR Ambedkar

✔ 2. Sardar Vallabhbhai Patel

✗ 3. Jawaharlal Nehru

✗ 4. Subhas Chandra Bose

Q.13 Which of the following was the objective of the law enacted in 1856 in India?

Ans ✗ 1. Banning of child labour

✗ 2. Abolition of caste system

✗ 3. Temple entry for Shudras

✔ 4. Legalising widow remarriage

Q.14 What was the theme of the IIAS-DARPG India Conference held in New Delhi in February 2025?

Ans ✗ 1. Digital Transformation in Governance – Empowering Citizens and Reaching the Last Mile

✓ 2. Next Generation Administrative Reforms – Empowering Citizens and Reaching the Last Mile

✗ 3. Innovations in Public Policy

✗ 4. Strengthening Federal Structures

Q.15 Which Act first created the position of a Governor-General of India with civil and military authority?

Ans ✓ 1. Charter Act 1833

✗ 2. Regulating Act

✗ 3. Government of India Act 1858

✗ 4. Pitt's India Act

Q.16 Which level of government generally legislates on matters such as police, public health and agriculture in India?

Ans ✗ 1. Union Government

✓ 2. State Legislatures

✗ 3. Inter-State Council

✗ 4. Local Bodies

Q.17 In which northeastern state was the Hornbill Festival held with record participation in December 2024?

Ans ✓ 1. Nagaland

✗ 2. Meghalaya

✗ 3. Manipur

✗ 4. Assam

Q.18 By what year is the India-UK FTA expected to be fully implemented?

Ans ✗ 1. 2027

✗ 2. 2025

✗ 3. 2030

✓ 4. 2026

Q.19 Which version of the skill development scheme, launched by the government and implemented from FY 2022 to 2026, aims to provide free training to rural youth in India?

Ans ✗ 1. Skill India 3.0

✓ 2. Pradhan Mantri Kaushal Vikas Yojana 2.0

✗ 3. Pradhan Mantri Kaushal Vikas Yojana 4.0

✗ 4. Deen Dayal Upadhyaya Grameen Kaushalya Yojana 2.0

Q.20 Which Indian relay team set a national record in the 4x100m event at the National Relay Carnival 2025?

Ans ✗ 1. Gurindervir Singh, Animesh Kujur, Manikanta H, Amiya Mallick

✓ 2. Gurindervir Singh, Animesh Kujur, Manikanta H, Amlan Borgohain

✗ 3. Srabani Nanda, Dutee Chand, Hima Das, Archana Suseendran

✗ 4. Amiya Mallick, Mohammed Anas, Noah Nirmal Tom, Rajesh Ramesh

Q.21 Which of the following is a small hand-held pointing device that controls the two-dimensional movement of the cursor on a screen?

Ans ✔ 1. Mouse

✘ 2. Scanner

✘ 3. Touchscreen

✘ 4. Keyboard

Q.22 Article 6 of the Constitution pertains to the citizenship of persons who migrated to India from which of the following territories?

Ans ✔ 1. Pakistan

✘ 2. Sri Lanka

✘ 3. Bangladesh

✘ 4. Myanmar

Q.23 Which of the following administrative features was common to both Pallava and Pandya kingdoms?

Ans ✘ 1. Rule by elected monarchs

✘ 2. Division of the kingdom into Mandalams and Nadus

✘ 3. Abolition of land revenue taxes

✔ 4. Village assemblies were called Sabha and Ur

Q.24 How many total Sustainable Development Goals (SDGs) were adopted at the United Nations Sustainable Development Summit in New York in September 2015?

Ans ✘ 1. 15

✘ 2. 16

✔ 3. 17

✘ 4. 18

Q.25 Which of the following is a feature of the Eastern Coastal Plain of India?

Ans ✔ 1. Wider and formed by alluvial deposits

✘ 2. Presence of numerous estuaries

✘ 3. Located between the Western Ghats and the Arabian Sea

✘ 4. Narrow and rocky

Q.26 Which of the following Indian organisations successfully conducted the combat firing of the Multi-Influence Ground Mine (MIGM) in May 2025?

Ans ✘ 1. Hindustan Aeronautics Limited and Indian Air Force

✔ 2. Defence Research and Development Organisation and Indian Navy

✘ 3. Indian Space Research Organisation and Indian Army

✘ 4. Bharat Dynamics Limited and Indian Coast Guard

Q.27 Kathputli is a traditional puppet show of which of the following Indian states?

Ans ✔ 1. Rajasthan

✘ 2. Assam

✘ 3. Odisha

✘ 4. Kerala

Q.28 As per the Ministry of Agriculture data from 1950–51 to 2014–15, which land use category in India has shown a declining trend?

Ans ✘ 1. Net sown area

✘ 2. Forest area

✔ 3. Barren and wasteland

✘ 4. Area under non-agricultural use

Q.29 In which year did Andre-Marie Ampère publish his magnum opus 'Mathematical Theory of Electrodynamic Phenomena Deduced Solely from Experiments'?

Ans
  ✗ 1. 1833
  ✓ 2. 1827
  ✗ 3. 1818
  ✗ 4. 1811

Q.30 Harold C Urey was awarded the Nobel Prize in Chemistry, in 1934:

Ans
  ✗ 1. for discovery in the chemistry of the transuranium elements
  ✓ 2. for the discovery of heavy hydrogen
  ✗ 3. for the discovery and development of conductive polymers
  ✗ 4. for the development of the density-functional theory

Q.31 Which of the following instruments is primarily used by the RBI for monetary policy implementation in the post 1991 reform era?

Ans
  ✓ 1. Repo rate
  ✗ 2. Export incentives
  ✗ 3. Tariff rates
  ✗ 4. Direct taxes

Q.32 Which economic system dominated India on the eve of independence (in 1947)?

Ans
  ✗ 1. Import substitution industrialisation
  ✓ 2. Colonial agrarian economy
  ✗ 3. Global free market
  ✗ 4. Socialist planned economy

Q.33 Which of the following is a discretionary power of the President of India?

Ans
  ✗ 1. Dissolving the Lok Sabha without advice
  ✗ 2. Appointing the Chief Justice of India
  ✓ 3. Appointing a Prime Minister when no party has a clear majority
  ✗ 4. Giving assent to a Money Bill

Q.34 The Gulf of Mannar lies between:

Ans
  ✗ 1. mainland India and Andaman Islands
  ✓ 2. India and Sri Lanka
  ✗ 3. Sri Lanka and Maldives
  ✗ 4. India and Maldives

Q.35 What is the purpose of the 'Melt and Pour' rule introduced in the DMI&SP Policy 2025?

Ans
  ✗ 1. Importing partially processed steel and finishing it domestically qualifies as "domestic"
  ✗ 2. Steel exports must include documentation of Indian melting processes
  ✓ 3. Steel used in government-funded projects is completely manufactured in India
  ✗ 4. Biometric authentication is required at smelting plants for traceability

Q.36 Which important Sikh festival is on 5 November 2025?

Ans
  ✗ 1. Baisakhi
  ✗ 2. Lohri
  ✓ 3. Guru Nanak Jayanti
  ✗ 4. Holi

Q.37 Which film won the Best Picture award at the 25th IIFA Awards in 2025?

Ans ✗ 1. Article 370

✓ 2. Laapataa Ladies

✗ 3. Stree 2

✗ 4. Bhool Bhulaiyaa 3

Q.38 Which Indian space tech startup along with Google launched India's first private satellite constellation?

Ans ✗ 1. Ship Rocket

✗ 2. Udaan

✗ 3. Livspace

✓ 4. Pixxel

Q.39 The government initiative known as KIRTI, an acronym for Khelo India Rising Talent Identification, was inaugurated in _____.

Ans ✗ 1. 2023

✓ 2. 2024

✗ 3. 2025

✗ 4. 2022

Q.40 Which Indian city was announced by the global governing body WPA as the host of the 2025 Para Athletics World Championships?

Ans ✓ 1. New Delhi

✗ 2. Chennai

✗ 3. Bengaluru

✗ 4. Mumbai

Section : **Mathematics**

Q.1 A man driving a car at a speed of 99 km/hr crosses a bridge in 1.2 minutes. Find the length (in metres) of the bridge.

Ans ✗ 1. 1970

✓ 2. 1980

✗ 3. 1960

✗ 4. 1950

Q.2 Sapna invested ₹20,900 on simple interest, partly at 9% per annum and partly at 13% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at 9% per annum (in ₹).

Ans ✗ 1. 12,349

✓ 2. 12,350

✗ 3. 12,352

✗ 4. 12,348

Q.3 Rahul, Monika, and Yuvraj invest ₹1,310, ₹1,430, and ₹1,040, respectively, to start a business. If the profit at the end of the year is ₹1,890, then what is the share of Yuvraj in the profit?

Ans ✗ 1. ₹519

✗ 2. ₹523

✓ 3. ₹520

✗ 4. ₹522

Q.4 The perimeter of a square is 336 m. Its area (in m^2) is:

Ans   ✗ 1. 7052

     ✗ 2. 7036

     ✗ 3. 7057

     ✓ 4. 7056

Q.5 3 years ago, the age of a father was 21 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

Ans   ✓ 1. 18

     ✗ 2. 23

     ✗ 3. 15

     ✗ 4. 21

Q.6 A trader claims to sell vegetables at a profit of 57%, but also dishonestly uses a weight which is 13% 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. 80%

     ✗ 2. 79%

     ✗ 3. 85%

     ✗ 4. 75%

Q.7 Which of the following numbers divides 86,16,16,843?

Ans   ✓ 1. 43

     ✗ 2. 47

     ✗ 3. 50

     ✗ 4. 36

Q.8 If the 6-digit number N18M05 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans   ✗ 1. M = N

     ✓ 2. M - N = 2

     ✗ 3. M - N = 1

     ✗ 4. M + N = -2

Q.9 Which of the following ratios is the greatest?

Ans   ✗ 1. 37 : 76

     ✗ 2. 43 : 65

     ✗ 3. 35 : 72

     ✓ 4. 50 : 60

Q.10 Which of the following statements is correct?

Ans   ✗ 1. A square is a special case of neither a rectangle nor a rhombus.

     ✗ 2. A square is a special case of a rhombus only.

     ✓ 3. A square is a special case of both a rectangle and a rhombus.

     ✗ 4. A square is a special case of a rectangle only.

Q.11 I bought two dresses for ₹1,200. I sold the first one at a loss of 9% and the second at a gain of 18%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first dress.

Ans
✘ 1. 824

✘ 2. 820

✘ 3. 784

✔ 4. 800

Q.12 The simple interest on a certain sum for $3\frac{1}{3}$ years at the rate of 4.2% per annum is ₹5,845.

What will be the amount payable on the same sum at the rate of 6.4% per annum simple interest in $12\frac{1}{2}$ years?

Ans
✘ 1. ₹75,143

✘ 2. ₹75,148

✘ 3. ₹75,131

✔ 4. ₹75,150

Q.13

By how much is 65% of 65 greater than $\frac{1}{5}$ of 45?

Ans
✔ 1. 33.25

✘ 2. 27.25

✘ 3. 30.25

✘ 4. 31.25

Q.14 Find the value of: [459 ÷ {11 + 2 × (5 − 9)}].

Ans
✔ 1. 153

✘ 2. 155

✘ 3. 152

✘ 4. 154

Q.15 If $\dfrac{x}{y} = \cot\theta$, where θ is an acute angle, then $\csc\theta = $ _____.

Ans
✘ 1. $\dfrac{y}{x}$

✔ 2. $\dfrac{\sqrt{x^2 + y^2}}{y}$

✘ 3. $\dfrac{\sqrt{y^2 - x^2}}{y}$

✘ 4. $\dfrac{\sqrt{x^2 + y^2}}{x}$

Q.16 Pipe P can fill $\frac{3}{4}$ part of a tank in 27 hours, and pipe Q can fill $\frac{2}{3}$ part of the same tank in 12 hours.

Both P and Q were kept open for 6 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 8 hours. Pipes P, Q and R together can fill the empty tank in:

Ans
✘ 1. 31 hours

✘ 2. 37 hours

✔ 3. 48 hours

✘ 4. 45 hours

Q.17 What is the area of a triangle with a base of 12 cm and a height of 8 cm?

Ans ✗ 1. 16 cm^2

✗ 2. 24 cm^2

✔ 3. 48 cm^2

✗ 4. 96 cm^2

Q.18 After giving two successive discounts, each of x% on the marked price of an article, the total discount is ₹18,000. If the marked price of the article is ₹50,000, find the value of x.

Ans ✔ 1. 20

✗ 2. 30

✗ 3. 10

✗ 4. 40

Q.19 The average of first 160 even numbers is

Ans ✗ 1. 161.5

✗ 2. 162

✔ 3. 161

✗ 4. 160.5

Q.20 Pipe A can fill a tank in 18 hours, pipe B can fill the same tank in 21 hours and pipe C can fill the same tank in 16 hours. The time taken by them to fill the same tank if they operate together is::

Ans ✔ 1. $6\dfrac{6}{167} hours$

✗ 2. $11\dfrac{6}{167} hours$

✗ 3. $7\dfrac{6}{167} hours$

✗ 4. $13\dfrac{6}{167} hours$

Q.21 Which of the following numbers divides 81,42,42,541?

Ans ✔ 1. 7

✗ 2. 12

✗ 3. 8

✗ 4. 15

Q.22 In covering a distance of 30 km, Anmol takes 7 hours more than Nikhil. If Anmol doubles his speed, then he would take 8 hours less than Nikhil. Anmol's speed is:

Ans ✗ 1. 7 km/hr

✔ 2. 1 km/hr

✗ 3. 6 km/hr

✗ 4. 3 km/hr

Q.23 The current population of a town is 12,500. It increases by 52% and 30% in two successive years but decreases by 15% in the third year. What is the population of the town at the end of the third year?

Ans ✔ 1. 20,995

✗ 2. 20,991

✗ 3. 20,990

✗ 4. 20,998

Q.24 The product of two consecutive natural numbers is 702. The greater of the two numbers is:

Ans ✗ 1. 26

✓ 2. 27

✗ 3. 38

✗ 4. 24

Q.25 The LCM of the numbers 12.8 and 0.004 is:

Ans ✗ 1. 128

✗ 2. 0.128

✗ 3. 1.28

✓ 4. 12.8

Q.26 A retailer offers the following discount scheme to his customers for the purchase of articles.

'Buy 30 and get 10 free'

Find the discount percentage offered.

Ans ✗ 1. 26%

✓ 2. 25%

✗ 3. 30%

✗ 4. 28%

Q.27 Find the value of x satisfying: $5(2x^2 - 7) - 2(5x^2 + 8x - 2) = 12$

Ans ✓ 1. $-\dfrac{43}{16}$

✗ 2. $-\dfrac{39}{16}$

✗ 3. $-\dfrac{53}{16}$

✗ 4. $-\dfrac{49}{16}$

Q.28 ₹12,300 were divided among A, B and C such that 3 times the share of A = 6 times the share of B = 2 times the share of C. Find the share of A.

Ans ✓ 1. ₹4,100

✗ 2. ₹3,915

✗ 3. ₹4,063

✗ 4. ₹3,924

Q.29 Find the value of $50^{-6} \div 50^{18} \times 50^{-5}$.

Ans ✗ 1. 50^{-19}

✓ 2. 50^{-29}

✗ 3. 50^{-36}

✗ 4. 50^{-32}

Q.30 **Find the median of 26, 13, 14, 15, 8, 36, 23, 35 and 50.**

Ans ✗ 1. 35

✓ 2. 23

✗ 3. 26

✗ 4. 50

Section : **General Intelligence and Reasoning**

Q.1 **Town H is to the east of town R and to the north of town D. Town E is southeast of town H. In which direction is town D with respect to town R?**

Ans ✓ 1. Southeast

✗ 2. Southwest

✗ 3. North

✗ 4. West

Q.2 **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 * \ + 9 & 6 # 6 4 $ & / @ # $ & 8 3 < (Right)

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

Ans ✗ 1. Four

✓ 2. Two

✗ 3. One

✗ 4. Three

Q.3 **A, B, C, D, Q, R and S are sitting around a circular table, facing the centre of the table. Q sits to the immediate right of D. Only three people sit between Q and S, when counted from the left of Q. Only three people sit between D and C. A sits to the immediate right of R. How many people sit between D and R, when counted from the right of R?**

Ans ✓ 1. One

✗ 2. Four

✗ 3. Three

✗ 4. Two

Q.4 **In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.**

JUNK - UJNK - KUJN
LACK - ALCK - KALC

Ans ✗ 1. BUNS - UBNS - SUNB

✗ 2. MOST - OMST - OSTM

✓ 3. FROM - RFOM - MRFO

✗ 4. MOCK - MCOK - KCOM

Q.5 **If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?**

51 + 8 − 8 ÷ 80 × 4 = ?

Ans ✗ 1. 26

✗ 2. 20

✗ 3. 14

✓ 4. 7

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. OJR

   ✗ 2. JEM

   ✓ 3. GBI

   ✗ 4. LGO

Q.7 What should come in place of the question mark (?) in the given series?

90 90 91 95 104 ?

Ans   ✗ 1. 122

   ✓ 2. 120

   ✗ 3. 121

   ✗ 4. 119

Q.8 In a certain code language, 'EARS' is coded as '4259' and 'SARI' is coded as '9725'. What is the code for 'I' in the given code language?

Ans   ✗ 1. 5

   ✗ 2. 9

   ✗ 3. 2

   ✓ 4. 7

Q.9 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 A. Only D is kept immediately above B. C is kept at some place below G and at some place above E. How many boxes are kept between B and F?

Ans   ✗ 1. 4

   ✓ 2. 1

   ✗ 3. 2

   ✗ 4. 3

Q.10 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. LNH

   ✗ 2. GIC

   ✓ 3. EGB

   ✗ 4. IKE

Q.11 If + means −, − means ×, × means ÷, ÷ means +, then what will come in place of the question mark (?) in the following equation?

18 − 2 + 48 × 4 ÷ 21 = ?

Ans   ✗ 1. 35

   ✓ 2. 45

   ✗ 3. 30

   ✗ 4. 40

Q.12 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 cars are buses. Some cars are trucks.

Conclusions (I): Some trucks are cars.
Conclusions (II): Some buses are cars.

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.13 In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

COME - OCME - EOCM
NEAT - ENAT - TENA

Ans   ✔ 1. SANK - ASNK - KASN

✗ 2. GONE - OGNE - EONG

✗ 3. DOST - DSOT - TSOD

✗ 4. HEAT - EHAT - EATH

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.)
(38, 12, 456)
(44, 11, 484)

Ans   ✗ 1. (67, 5, 365)

✔ 2. (38, 8, 304)

✗ 3. (61, 4, 254)

✗ 4. (43, 6, 278)

Q.15 Harry starts from Point A and drives 1 km towards the south. He then takes a right turn and drives 7 km, then turns right and drives 8 km. He then takes a right turn and drives 15 km. He takes a final right turn, drives 7 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. 8 km to the west

✗ 2. 10 km to the west

✗ 3. 9 km to the west

✗ 4. 5 km to the west

Q.16 Seven boxes U, V, W, X, E, F and G are kept one over the other but not necessarily in the same order.
Only two boxes are kept between V and X. Only W is kept above F. No box is kept below X. E is kept at some place below G but at some place above U. Which box is kept third above U?

Ans   ✗ 1. X

✔ 2. G

✗ 3. E

✗ 4. W

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 trams are cows.
No cow is a bun.

Conclusions:
(I): No tram is a bun.
(II): Some buns are cows.

Ans
✗ 1. Both conclusions (I) and (II) follow.

✗ 2. Only conclusion (II) follows.

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

✔ 4. Only conclusion (I) follows.

Q.18 SWER is related to GKSF in a certain way based on the English alphabetical order. In the same way, WAIV is related to KOWJ. To which of the given options is MQYL related, following the same logic?

Ans
✔ 1. AEMZ

✗ 2. AEMU

✗ 3. AZEM

✗ 4. AZME

Q.19 Each of the digits in the number 19758436 is arranged in descending 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. Two

✗ 2. None

✔ 3. Three

✗ 4. One

Q.20 Each of the digits in the number 8934612 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. 6

✔ 2. 10

✗ 3. 7

✗ 4. 8

Q.21 What should come in place of the question mark (?) in the given series?
99, 100, 102, 106, 114, ?

Ans
✔ 1. 130

✗ 2. 135

✗ 3. 125

✗ 4. 103

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

3 13 28 48 ? 103

Ans
✗ 1. 71

✔ 2. 73

✗ 3. 68

✗ 4. 70

Q.23 Seven people, D, E, F, G, H, I and X, are sitting in a row facing North. Only two people sit to the left of G. Only three people sit between G and H. Only one person sits between H and F. E sits to the immediate left of I. D is not an immediate neighbour of H. How many people sit to the right of X?

Ans
✔ 1. One
✘ 2. Three
✘ 3. Four
✘ 4. Two

Q.24 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?

VRM 9 WTJ 6 XVG 3 YXD 0 ?

Ans
✔ 1. ZZA -3
✘ 2. ZYZ -3
✘ 3. ZZA -6
✘ 4. ZZZ -6

Q.25 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

If all the symbols are dropped from the series, which of the following will be sixth from the right?

Ans
✘ 1. 1
✘ 2. 5
✔ 3. 9
✘ 4. 4

Q.26 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

VEC WFD XGE YHF ?

Ans
✘ 1. ZVG
✘ 2. ZWR
✔ 3. ZIG
✘ 4. ZML

Q.27 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. Only two boxes are kept between Q and V. Only Y is kept above W. No box is kept below V. X is kept at some place below Z but at some place above R. Which box is kept third above R?

Ans
✔ 1. Z
✘ 2. Q
✘ 3. X
✘ 4. W

Q.28 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. EAW
✘ 2. OKG
✔ 3. DZB
✘ 4. MIE

Q.29 A is the son of S. D is the daughter of F. F is the father of G. G is the sister of A. A is married to Q. W is the son of A. How is S related to D?

Ans
✗ 1. Mother's mother

✗ 2. Father's sister

✔ 3. Mother

✗ 4. Sister

Q.30 In a certain code language, 'FOUR' is coded as '5427' and 'RISE' is coded as '6143'. What is the code for 'R' in the given code language?

Ans
✗ 1. 7

✗ 2. 3

✔ 3. 4

✗ 4. 6