Test Date	03/09/2025
Test Time	12:45 PM - 2:15 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 In May 2025, which venture capital firm launched a new investment vertical to support startups in India's defence and strategic technology sectors?

Ans ✔ 1. Titan Capital

✘ 2. Nexus Venture Partners

✘ 3. Accel Partners

✘ 4. Sequoia Capital

Q.2 Which of the following states shares its boundary with Bangladesh?

Ans ✘ 1. Nagaland

✘ 2. Arunachal Pradesh

✘ 3. Odisha

✔ 4. Tripura

Q.3 Which Indian state announced a ₹6,124 crore investment to boost road connectivity and infrastructure expansion in 2025?

Ans ✔ 1. Uttar Pradesh

✘ 2. Maharashtra

✘ 3. Gujarat

✘ 4. Tamil Nadu

Q.4 Which among the following developed Bhargavastra, a multi-layered counter-drone system designed to neutralise drone threats, in May 2025?

Ans ✘ 1. Bharat Electronics

✔ 2. Solar Defence and Aerospace Limited

✘ 3. Defence Research and Development Organisation

✘ 4. Tata Advanced Systems

Q.5 In May 2025, China announced visa-free access for all member states of which regional organisation?

Ans ✘ 1. Association of Southeast Asian Nations (ASEAN)

✘ 2. European Union (EU)

✔ 3. Gulf Cooperation Council (GCC)

✘ 4. South Asian Association for Regional Cooperation (SAARC)

Q.6 In May 2025, the Indian Army held the 'Teesta Prahar' integrated field exercise in which state to demonstrate operational readiness and combined operational capabilities?

Ans
❌ 1. Madhya Pradesh

✅ 2. West Bengal

❌ 3. Assam

❌ 4. Rajasthan

Q.7 The village headman during the Gupta period was commonly known as _____.

Ans
❌ 1. Mahattara

❌ 2. Uparika

❌ 3. Amatyas

✅ 4. Gramadhyaksha

Q.8 What was the major demographic feature of India at the time of independence?

Ans
❌ 1. High life expectancy

✅ 2. High death rate and infant mortality

❌ 3. Aging population

❌ 4. Low birth rate

Q.9 The seeds of which plant of the Fabaceae family are used as a spice, flavouring agent and food supplement?

Ans
❌ 1. Dolichos oleifera lablab

✅ 2. Trigonella foenum graecum

❌ 3. Cajanus cajan

❌ 4. Arachis hypogea

Q.10 The First Backward Classes Commission was appointed in which year?

Ans
❌ 1. 1967

❌ 2. 1966

✅ 3. 1953

❌ 4. 1993

Q.11 The Fiscal Responsibility and Budget Management (FRBM) Act set limits on the fiscal deficit and public debt. What was the fiscal deficit target under the original FRBM Act by 2008-09?

Ans
❌ 1. 4.5% of GDP

❌ 2. Zero deficit

❌ 3. 6% of GDP

✅ 4. 3% of GDP

Q.12 Which two researchers independently suggested that acid-base reactions could be thought of as proton-transfer reactions for the first time, in 1923?

Ans
❌ 1. Guillaume F Rouelle and Humphry Davy

❌ 2. Svante Arrhenius and Peter Waage

❌ 3. Gilbert N Lewis and SPL Sorensen

✅ 4. JN Brønsted and Thomas M Lowry

Q.13 The 105th Constitutional Amendment Act, 2021, is related to which of the following?

Ans
❌ 1. Creation of a National Judicial Commission

❌ 2. GST reforms

✅ 3. Powers of state governments to identify OBCs

❌ 4. Women's reservation

Q.14 The Ministry of Statistics and Programme Implementation (MoSPI) released which edition of its publication titled 'Women and Men in India 2024: Selected Indicators and Data' in April 2025?

Ans
- ✗ 1. 20th
- ✗ 2. 22nd
- ✓ 3. 26th
- ✗ 4. 30th

Q.15 Who among the following Grammy-winning Indian musicians was awarded the Padma Shri in 2025?

Ans
- ✗ 1. Shankar Mahadevan
- ✓ 2. Ricky Kej
- ✗ 3. Zakir Hussain
- ✗ 4. AR Rahman

Q.16 Who among the following is the first African woman to assume office as the Commonwealth Secretary General in April 2025?

Ans
- ✗ 1. Tansu Ciller
- ✗ 2. Hanna Suchocka
- ✗ 3. Sylvie Kinigi
- ✓ 4. Shirley Botchwey

Q.17 Which of the following Indian languages is spoken mainly in the state of Odisha?

Ans
- ✗ 1. Punjabi
- ✓ 2. Odia
- ✗ 3. Marathi
- ✗ 4. Kannada

Q.18 Which of the following courts is known as the 'Guardian of the Constitution' in India?

Ans
- ✗ 1. District Court
- ✗ 2. High Court
- ✓ 3. Supreme Court
- ✗ 4. Lok Adalat

Q.19 Transition elements are generally found in which block of the periodic table?

Ans
- ✗ 1. s-block
- ✗ 2. p-block
- ✓ 3. d-block
- ✗ 4. f-block

Q.20 What does the abbreviation EBCDIC stand for?

Ans
- ✗ 1. Encoded Binary Character Data Interchange Code
- ✓ 2. Extended Binary Coded Decimal Interchange Code
- ✗ 3. Extended Binary Code for Digital Information Communication
- ✗ 4. Electronic Binary Code for Data Interchange Communication

Q.21 The India Infrastructure Report 2023, released in December 2023 by Shri M Venkaiah Naidu, is related to _____.

Ans
- ✗ 1. Forest Planning and Development
- ✗ 2. Coastal Planning and Development
- ✓ 3. Urban Planning and Development
- ✗ 4. Rural Planning and Development

Q.22 Which of the following was NOT a component of globalisation in India's economic reforms?

Ans ✗ 1. Allowing foreign technology

✓ 2. Promoting local-only trade

✗ 3. Encouraging foreign direct investment

✗ 4. Liberalising imports

Q.23 Which of the following Indian players won two Olympic medals in a single edition of the Games in Paris 2025 and was awarded with Major Dhyan Chand Khel Ratna Award in January 2025?

Ans ✗ 1. Swapnil Suresh Kusale

✓ 2. Minu Bhaker

✗ 3. Sarabjot Singh

✗ 4. Manu Bhaker

Q.24 Who among the following inaugurated seventh edition of the Khelo India Youth Games 2025 held at Bihar?

Ans ✓ 1. Narendra Modi

✗ 2. Arif Mohammad Khan

✗ 3. Nitish Kumar

✗ 4. Mansukh Mandaviya

Q.25 In a State government, a minister holds office:

Ans ✗ 1. for a fixed five-year term

✓ 2. during the pleasure of the Governor

✗ 3. as long as they enjoy the confidence of the State Legislative Council

✗ 4. during the pleasure of the President

Q.26 Which unit of the Indonesian Special Forces participated in Exercise GARUD SHAKTI, held in November 2024?

Ans ✗ 1. Kostrad

✗ 2. Marinir

✗ 3. TNI-AU

✓ 4. Kopassus

Q.27 Which body is responsible for recruitment to All India Services like IAS and IPS?

Ans ✗ 1. Election Commission

✗ 2. Comptroller and Auditor General

✗ 3. Finance Commission

✓ 4. Union Public Service Commission

Q.28 The Paris Agreement, adopted in 2015, aims to:

Ans ✓ 1. limit global temperature rise

✗ 2. halt desertification

✗ 3. eliminate air pollution

✗ 4. promote water conservation

Q.29 Which of the following was NOT a kingdom based on the modern-day Tamil Nadu?

Ans ✓ 1. Rashtrakutas

✗ 2. Chola

✗ 3. Chera

✗ 4. Pandya

Q.30 Slump is a type of:

Ans ✗ 1. rock fall

✗ 2. weathering

✗ 3. erosion

✓ 4. landslide

Q.31 What was Gandhi's view about the relation between means and ends in Satyagraha?

Ans ✗ 1. Only ends matter, not the means.

✗ 2. The ends justify the means.

✗ 3. Violence is necessary for pure ends.

✓ 4. Pure ends require pure means.

Q.32 Where was the semicryogenic engine hot test held in April 2025?

Ans ✓ 1. ISRO Propulsion Complex, Mahendra Giri

✗ 2. Vikram Sarabhai Space Centre, Thiruvananthapuram

✗ 3. Satish Dhawan Space Centre, Sriharikota

✗ 4. Down Range Station, Port Blair

Q.33 When was the Mines Act enacted in India?

Ans ✗ 1. 1962

✗ 2. 1972

✗ 3. 1982

✓ 4. 1952

Q.34 Which type of Indian cinema refers to commercial, mainstream films primarily produced in Hindi, known for their songs, drama and spectacle?

Ans ✗ 1. Indie films

✗ 2. Regional cinema

✓ 3. Bollywood

✗ 4. Parallel cinema

Q.35 The infamous Jallianwala Bagh massacre occurred when Gandhi called all the Indians to observe April 6, 1919, as a day of non-violent protest against which of the following colonial policies?

Ans ✗ 1. Partition of Bengal

✓ 2. Rowlatt Act

✗ 3. Simon Commission

✗ 4. Minto-Morley reforms

Q.36 What does the Constitution of India stipulate regarding the composition of the Election Commission of India (ECI)?

Ans ✗ 1. It is constitutionally fixed as a single-member body headed by the Chief Election Commissioner (CEC) only.

✗ 2. It must always be a three-member body (one Chief Election Commissioner and two Election Commissioners).

✗ 3. It must include one Election Commissioner from each major state to ensure federal balance

✓ 4. It may be single or multi-member; initially, there was only a Chief Election Commissioner until 1989.

Q.37 What does the abbreviation ASCII stand for?

Ans ✗ 1. Automated System Code for International Interfacing

✓ 2. American Standard Code for Information Interchange

✗ 3. Advanced Standard Communication for Information Integration

✗ 4. American Standard Code for Internet Information

Q.38 Which of the following Biosphere Reserves is located in Madhya Pradesh?

Ans
❌ 1. Manas Biosphere Reserve

❌ 2. Nanda Biosphere Reserve

❌ 3. Similipal Biosphere Reserve

✅ 4. Panna Biosphere Reserve

Q.39 Which of the following leaders is associated with the concept of 'Drain of Wealth' theory?

Ans
❌ 1. Subhash Chandra Bose

❌ 2. MG Ranade

✅ 3. Dadabhai Naoroji

❌ 4. C Rajagopalachari

Q.40 As per the Ministry of Ports, Shipping and Waterways of the Government of India, which port is known as the largest container port in India (as of May 2025)?

Ans
✅ 1. Nhava Sheva

❌ 2. Chennai

❌ 3. Kandla

❌ 4. Paradip

Section : Mathematics

Q.1 The population of a district is 376000, out of which 230000 are males. 11% of the population is literate. If 11% males are literate, then what percentage of females are literate?

Ans
❌ 1. 12%

❌ 2. 8%

❌ 3. 9%

✅ 4. 11%

Q.2 Praveen and Hemant start a business. Praveen invests ₹16,000 more than Hemant for 7 months and Hemant invests for 6 months. Praveen's share is ₹1,007 more than that of Hemant, out of a total profit of ₹7,049. Find the capital contributed by Praveen.

Ans
❌ 1. ₹1,28,142

❌ 2. ₹1,27,842

❌ 3. ₹1,28,112

✅ 4. ₹1,28,000

Q.3 The angle made by a point on the ground and the top of a building with ground is $30°$.

If the point is x units distance away from the bottom of the building, then the height of the building (in units) is:

Ans
❌ 1. $\dfrac{x}{\sqrt{2}}$

❌ 2. $\dfrac{x}{3}$

❌ 3. $\dfrac{x}{2}$

✅ 4. $\dfrac{x}{\sqrt{3}}$

Q.4 Sapna invested ₹21,100 on simple interest, partly at the rate of 6% per annum and partly at the rate of 14% per annum. If she earns equal interests from the two investments after 3 years, then find the sum invested at the rate of 6% per annum (in ₹).

Ans
✗ 1. 14,768

✗ 2. 14,773

✔ 3. 14,770

✗ 4. 14,767

Q.5 The perimeter of an isosceles triangle is 184 cm. If the base is 44 cm, find the length of the equal sides (in cm).

Ans
✗ 1. 72

✗ 2. 75

✗ 3. 78

✔ 4. 70

Q.6 If the interest earned during the 2nd year on a certain sum is ₹2,508, and the rate of interest is 20% per annum compounded annually, then the sum is:

Ans
✗ 1. ₹9,695

✗ 2. ₹10,315

✔ 3. ₹10,450

✗ 4. ₹10,005

Q.7 Simplify: $x(3x - 9) + 3(x^2 - 2) + 14$

Ans
✔ 1. $6x^2 - 9x + 8$

✗ 2. $-6x^2 - 9x - 8$

✗ 3. $-6x^2 - 9x + 8$

✗ 4. $6x^2 - 9x - 8$

Q.8 I bought two bicycles for ₹1,200. I sold the first one at a loss of 8% and the second at a gain of 17%. If, on the whole I made neither a loss nor a gain, find the cost price (in ₹) of the first bicycle.

Ans
✗ 1. 840

✗ 2. 836

✔ 3. 816

✗ 4. 800

Q.9 The cost of 7 pens and 17 pencils is ₹92. If the cost of a pen decreases by ₹0.50 and the cost of a pencil increases by ₹8, then the cost of 8 pens and 14 pencils is ₹186. What is the original cost of 9 pens and 6 pencils?

Ans
✗ 1. ₹35

✗ 2. ₹43

✗ 3. ₹41

✔ 4. ₹39

Q.10 In covering a distance of 110 km, Pranay takes 6 hours more than Aman. If Pranay doubles his speed, then he would take 5 hours less than Aman. Pranay's speed is:

Ans
✗ 1. 6 km/hr

✔ 2. 5 km/hr

✗ 3. 11 km/hr

✗ 4. 14 km/hr

Q.11 An amount of ₹785 is divided among three persons in the ratio of 2 : 6 : 17. The difference between the largest and the smallest shares (in ₹) in the distribution is:

Ans ✔ 1. 471

✘ 2. 496

✘ 3. 566

✘ 4. 434

Q.12 The sum of all interior angles of a regular polygon is 1620°. What is the measure (in degrees) of its each exterior angle?

Ans ✔ 1. $32\frac{8}{11}$

✘ 2. $31\frac{8}{11}$

✘ 3. $33\frac{8}{11}$

✘ 4. $34\frac{8}{11}$

Q.13 The number 578289151 is divisible by which of the following?

Ans ✔ 1. 11

✘ 2. 6

✘ 3. 4

✘ 4. 10

Q.14 If 2 times Mary's present age is 16 years more than 3 times Diya's present age, and 2 times Diya's present age is 2 years less than Mary's present age, then what is the difference (in years) between the ages of Mary and Diya?

Ans ✔ 1. 14

✘ 2. 10

✘ 3. 17

✘ 4. 15

Q.15 A book with a printed price of ₹4,500 is available on successive discounts of 10%, 20% and 25%. Find the selling price of the book.

Ans ✘ 1. ₹2,420

✔ 2. ₹2,430

✘ 3. ₹2,440

✘ 4. ₹2,410

Q.16 Evaluate: (−9) − (−60) ÷ (−6) + (−3) × 6

Ans ✘ 1. −36

✘ 2. −39

✔ 3. −37

✘ 4. −40

Q.17 The LCM of the numbers 4.8 and 0.024 is:

Ans ✘ 1. 0.048

✔ 2. 4.8

✘ 3. 0.48

✘ 4. 48

Q.18 The marks scored by 10 students are given below.

10, 19, 18, 18, 13, 14, 16, 18, 16, 12

The mode of the data is:

Ans
- ✗ 1. 13
- ✓ 2. 18
- ✗ 3. 19
- ✗ 4. 10

Q.19 The H.C.F. and the L.C.M. of two numbers are 28 and 336, respectively. If one of the numbers is 112, find the other one.

Ans
- ✗ 1. 140
- ✓ 2. 84
- ✗ 3. 112
- ✗ 4. 56

Q.20 The selling price of 25 books is equal to the cost price of 5 books. Find the loss or gain percentage.

Ans
- ✗ 1. $\dfrac{100}{20}\% \ gain$
- ✗ 2. 80% gain
- ✗ 3. $\dfrac{100}{20}\% \ loss$
- ✓ 4. 80% loss

Q.21 Pipe A can fill a tank in 16 hours, pipe B can fill the same tank in 23 hours and pipe C can fill the same tank in 10 hours. The time taken by them to fill the same tank if they operate together is::

Ans
- ✗ 1. $10\dfrac{324}{379} \ hours$
- ✗ 2. $1\dfrac{324}{379} \ hours$
- ✗ 3. $13\dfrac{324}{379} \ hours$
- ✓ 4. $4\dfrac{324}{379} \ hours$

Q.22 Given that $134^{0.78} = x$, $134^{0.52} = y$ and $x^z = y^8$, then the value of z is close to:

Ans
- ✗ 1. 6.77
- ✓ 2. 5.33
- ✗ 3. 7.89
- ✗ 4. 5.72

Q.23 If the 6-digit number N51M91 is divisible by 11, then which of the options below can give a possible correct relation between M and N?

Ans
- ✗ 1. M + N = -4
- ✗ 2. M = N
- ✗ 3. M - N = 1
- ✓ 4. M - N = 4

Q.24 Arjun and Malaika have to travel from Delhi to Kanpur in their respective cars. Arjun is driving at 60 km/hr while Malaika is driving at 96 km/hr. Find the time taken by Malaika to reach Kanpur if Arjun takes 8 hours.

Ans
✔ 1. 5 hours
✘ 2. 6 hours
✘ 3. 9 hours
✘ 4. 1 hours

Q.25 The average runs scored by a batsman in 23 matches is 40. In the next 10 matches, the batsman scored an average of 13 runs. Find his average runs scored (rounded off to two decimals) in all the 33 matches.

Ans
✔ 1. 31.82
✘ 2. 33.82
✘ 3. 32.82
✘ 4. 30.82

Q.26 A cylindrical rod has an outer curved surface area of 7700 cm^2. If the length of the rod is 95 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is:

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

Ans
✘ 1. 11.54
✘ 2. 11.99
✔ 3. 12.89
✘ 4. 11.14

Q.27 Shifa can do a certain piece of work in 28 days. Shifa and Afiya can together do the same work in 20 days, and Shifa, Afiya and Mariyam can do the same work together in 10 days. In how many days can Shifa and Mariyam do the same work together?

Ans
✘ 1. $\dfrac{41}{3}$

✘ 2. $\dfrac{39}{5}$

✘ 3. $\dfrac{36}{4}$

✔ 4. $\dfrac{35}{3}$

Q.28 What single discount is equivalent to three successive discounts of 24%, 26% and 18%? (Rounded off to two decimal places)

Ans
✔ 1. 53.88%
✘ 2. 54.42%
✘ 3. 54.94%
✘ 4. 51.48%

Q.29

By how much is 65% of 65 greater than $\dfrac{2}{5}$ *of 45?*

Ans
✘ 1. 22.25
✔ 2. 24.25
✘ 3. 18.25
✘ 4. 21.25

Q.30 Find the mean proportional between 28 and 252.

Ans
✗ 1. 81

✗ 2. 83

✓ 3. 84

✗ 4. 86

Q.1 Kiran starts from Point A and drives 5 km towards south. He then takes a left turn, drives 7 km, turns left and drives 8 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 3 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. 4 km to east

✓ 2. 2 km to east

✗ 3. 3 km to east

✗ 4. 1 km to east

Q.2 All 103 students in a class are standing in a row facing north. Farah is 39th from the right end while Kanak is 52nd from the left end. How many people stand between Farah and Kanak?

Ans
✗ 1. 11

✗ 2. 13

✓ 3. 12

✗ 4. 10

Q.3 D is the wife of O. O is the brother of M. M is the father of E. E is the daughter of S. How is D related to S?

Ans
✗ 1. Father's brother's mother

✓ 2. Husband's brother's wife

✗ 3. Father's brother's son

✗ 4. Father's brother's daughter

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.

APES - EAPS - SEPA
FROM - OFRM - MORF

Ans
✗ 1. SANK - SNAK - KNAS

✗ 2. RING - IRNG - GINR

✓ 3. FIRM - RFIM - MRIF

✗ 4. MEAL - AMEL - EALM

Q.5 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. XZD

✗ 2. HJN

✓ 3. EGL

✗ 4. SUY

Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
RFG THI VJK XLM ?

Ans
✔️ 1. ZNO

❌ 2. ZNP

❌ 3. YNO

❌ 4. ZMO

Q.7 Each of the digits in the number 513946287 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

Ans
❌ 1. 11

❌ 2. 13

✔️ 3. 9

❌ 4. 5

Q.8 Seven people A, B, C, D, E, F and G are sitting in a row, facing north.
Only three people sit to the left of F. Only B sits to the right of D. Only three people sit between D and A. E sits at some place to the left of G but at some place to the right of C. How many people sit to the right of F?

Ans
❌ 1. 1

❌ 2. 4

✔️ 3. 3

❌ 4. 2

Q.9 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 is the letter-cluster pair that 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. WD-BK

❌ 2. GN-LU

✔️ 3. FN-KT

❌ 4. JQ-OX

Q.10 If + means −, − means ×, × means ÷ and ÷ means +, then what will come in place of the question mark (?) in the following equation?

19 + 17 − 2 ÷ 84 × 3 = ?

Ans
❌ 1. 32

❌ 2. 24

❌ 3. 18

✔️ 4. 13

Q.11 In a certain code language, 'MOST' is coded as '2457' and 'BEAM' is coded as '4136'.
What is the code for 'M' in that language?

Ans
✔️ 1. 4

❌ 2. 6

❌ 3. 2

❌ 4. 1

Q.12 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. NE-IL

✗ 2. UL-PS

✔ 3. PG-KM

✗ 4. RI-MP

Q.13 Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:
All bottles are hats.
No hat is a maize.

Conclusions:
(I): No bottle is a maize.
(II): Some maizes are hats.

Ans
✔ 1. Only conclusion (I) follows.

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

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

✗ 4. Only conclusion (II) follows

Q.14 What should come in place of the question mark (?) in the given series?

53 69 87 107 129 ?

Ans
✗ 1. 163

✗ 2. 158

✗ 3. 168

✔ 4. 153

Q.15 In a certain code language, 'AMID' is coded as '4257' and 'INKS' is coded as '1346'. What is the code for 'I' in the given code language?

Ans
✗ 1. 6

✗ 2. 1

✔ 3. 4

✗ 4. 7

Q.16 What should come in place of ? in the given series based on the English alphabetical order?

CMT ENU GOV IPW ?

Ans
✗ 1. IPW

✗ 2. JQX

✔ 3. KQX

✗ 4. JPW

Q.17 Six people, C, D, E, F, G and T, are sitting around a circular table, facing the centre. Only two people sit between C and D when counted from the right of C. Only one person sits between E and G. G sits to the immediate left of D. T is not an immediate neighbour of E. Who sits second to the right of T?

Ans ✗ 1. C

✗ 2. E

✗ 3. F

✔ 4. D

Q.18 Pari starts from Point A and drives 12 km towards south. She then takes a left turn, drives 10 km, turns right and drives 5 km. She then takes a right turn and drives 7 km. She takes a final right turn, drives 17 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

Ans ✗ 1. 20 km towards north

✔ 2. 3 km towards west

✗ 3. 17 km towards east

✗ 4. 20 km towards west

Q.19 Seven boxes, A, B, C, D, M, N and O, are kept one over the other but not necessarily in the same order.
Only four boxes are kept between A and D. Only C is kept above A. Only two boxes are kept between O and N. B is kept immediately above M. N is not kept immediately above B.
Which box is kept fourth from the top?

Ans ✗ 1. M

✗ 2. O

✗ 3. A

✔ 4. B

Q.20 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FVB : ETE
RUC : QSF

Ans ✗ 1. NSP : OQR

✔ 2. MJJ : LHM

✗ 3. OPQ : PNT

✗ 4. JLH : KJJ

Q.21 What should come in place of the question mark (?) in the given series?

89 94 102 113 127 ?

Ans ✗ 1. 146

✗ 2. 145

✗ 3. 143

✔ 4. 144

Q.22 Refer to the following number, symbol series and answer the question that follow. Counting to be done from left to right only.

(Left) 1 \ 1 \ @ ^ & % > * 9 & + 2 9 4 + 1 ^ 7 7 (Right)

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

Ans ✔ 1. Two

✗ 2. Four

✗ 3. One

✗ 4. Three

Q.23 What should come in place of the question mark (?) in the given series?

19 32 47 64 83 ?

Ans   ✗ 1. 92

      ✗ 2. 98

      ✗ 3. 112

      ✓ 4. 104

Q.24 In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
72, 145
83, 167

Ans   ✓ 1. 46, 93

      ✗ 2. 22, 48

      ✗ 3. 35, 73

      ✗ 4. 54, 125

Q.25 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:

Some watches are clocks.
All clocks are pendulums.

Conclusions:

(I) Some watches are pendulums.
(II) All pendulum are clocks.

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

      ✗ 2. Only conclusion (II) follows.

      ✓ 3. Only conclusion (I) follows.

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

Q.26 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5187463, which of the following digits will be second from the left in the new number thus formed?

Ans   ✓ 1. 2

      ✗ 2. 5

      ✗ 3. 6

      ✗ 4. 8

Q.27 Refer to the following number and symbol series and answer the question that follows. All numbers are single-digit numbers.Counting to be done from left to right only.

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

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

Ans   ✓ 1. 2

      ✗ 2. 3

      ✗ 3. 4

      ✗ 4. 1

Q.28 Seven boxes F, G, H, I, K, L, and O are kept one over the other but not necessarily in the same order. No box is kept above G. Only three boxes are kept between G and F. Only one box is kept between I and L. L is kept immediately above F. Only four boxes are kept between I and K. H is kept at some place above O.
Which box is kept second below H?

Ans

✗ 1. K

✗ 2. O

✗ 3. I

✔ 4. F

Q.29 Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

LCP : PZV
TWB : XTH

Ans

✔ 1. BQN : FNT

✗ 2. HWK : LBO

✗ 3. HTO : LQS

✗ 4. UKD : YFH

Q.30 If 3 is added to each odd digit and 1 is subtracted from each even digit in the number 6243514, what will be the sum of the digits which are second from the left and second from the right?

Ans

✗ 1. 7

✗ 2. 8

✔ 3. 5

✗ 4. 6