रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सीईएन - 07/2025 - एनटीपीसी पूर्व-स्नातक स्तर - CEN - 07/2025 - NTPC UNDER GRADUATE LEVEL

Test Date	15/06/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB NTPC UnderGraduate 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 : **Mathematics**

Q.1 **The difference in simple interest on a sum of money invested at 4% per annum for five years and for three years is ₹784. Find the simple interest (in ₹) on the same sum invested at the same rate of interest for eight years.**

Ans
- ✔ A. 3136
- ✘ B. 2352
- ✘ C. 3920
- ✘ D. 4144

Q.2 ABCD is a quadrilateral in which AB || DC, and E and F are the mid points of the diagonals AC and BD, respectively. If AB = 60 cm, BC = 65 cm, DC = 18 cm, and AD = 10 cm, then what is the length (in cm) of EF?

Ans
- ✘ A. 23
- ✔ B. 21
- ✘ C. 25
- ✘ D. 22

Q.3 Simplify: $9^2 + \sqrt{4^2} - 7\sqrt{16} - 7$

Ans
- ✘ A. 45
- ✘ B. 58
- ✔ C. 50
- ✘ D. 57

Q.4 **A, B, and C can complete a work in 10, 12, and 15 days, respectively. A and B work together for 3 days, after which A withdraws. B and C then work together. Find the number of days required by B and C to complete the remaining work.**

Ans
- ✘ A. 5 days
- ✔ B. 3 days
- ✘ C. 4 days
- ✘ D. 6 days

Q.5 A hollow spherical shell is made of a metal of density 39 g/cm^3. Its internal and external radii are 12 cm and 13 cm, respectively. What is the weight (in kg) of the shell?

$\left(\text{Use } \pi = \frac{22}{7} \text{ and Density} = \frac{\text{Mass}}{\text{Volume}}\right)$

Ans
- ✔ A. 76.648
- ✘ B. 77.7
- ✘ C. 77.9
- ✘ D. 73.648

Q.6 A train passes two persons walking in the same direction in which the train is going. These persons are walking at the rates of 2 km/hr and 4 km/hr, respectively, and are completely crossed by the train in 9 seconds and 10 seconds, respectively. What is the length of the train?

Ans
- ✘ A. 75 meters
- ✔ B. 50 meters
- ✘ C. 45 meters
- ✘ D. 55 meters

Q.7 The fourth proportional to the first number, the second number, and 20 is 36. If the sum of the first two numbers is 14, find the geometric mean of the first two numbers.

Ans
- ✘ A. $5\sqrt{3}$
- ✔ B. $3\sqrt{5}$
- ✘ C. $5\sqrt{2}$
- ✘ D. $2\sqrt{5}$

Q.8 The sum of two positive numbers is 67 and their product is 1012. The positive difference between them is:

Ans
- ✔ A. 21
- ✘ B. 30
- ✘ C. 13
- ✘ D. 24

Q.9 In a class, there are 10 boys more than girls. Each girl has 3 pencils and each boy has 2 pencils with them. The total number of pencils in the class is 170. The ratio of girls to boys in the class is _____.

Ans
- ✘ A. 5:6
- ✘ B. 2:3
- ✔ C. 3:4
- ✘ D. 4:5

Q.10 A and B can do a piece of work in 12 days and 15 days, respectively. Both work for 4 days and then A leaves. How long (in days) will B take to complete the remaining work?

Ans
- ✘ A. 8
- ✔ B. 6
- ✘ C. 7
- ✘ D. 5

Q.11 Which of the following numbers is divisible by 11?

Ans
- ✘ A. 5281
- ✘ B. 4735
- ✔ C. 2145
- ✘ D. 3522

Q.12 Let both a and b be prime numbers such that $(a^2 + b)$ is also a prime number less than 20. What is the number of possible values of b?

Ans
- ✗ A. 6
- ✗ B. 3
- ✗ C. 5
- ✓ D. 4

Q.13 What is the mode of the following data?

40, 47, 54, 45, 50, 43, 53, 52, 53, 49, 40, 50, 42, 52, 44, 52, 47, 55

Ans
- ✗ A. 40
- ✓ B. 52
- ✗ C. 47
- ✗ D. 54

Q.14 What is the greatest length of a measuring rod that can exactly measure three fabric pieces of lengths 7 m 35 cm, 9 m 45 cm, and 10 m 50 cm?

Ans
- ✗ A. 1 m 25 cm
- ✗ B. 1 m 15 cm
- ✓ C. 1 m 5 cm
- ✗ D. 1 m 35 cm

Q.15 A solid metallic sphere is melted and recast into a cone whose radius is equal to the radius of the sphere. If the height of the cone is 84 cm, what was the volume of the original sphere?

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

Ans
- ✗ A. $49808\ cm^3$
- ✓ B. $38808\ cm^3$
- ✗ C. $27808\ cm^3$
- ✗ D. $16808\ cm^3$

Q.16 If *p* is the third proportional to 6 and 18, and *q* is the third proportional to *p* and 54, find the value of *q*.

Ans
- ✗ A. 36
- ✗ B. 72
- ✗ C. 18
- ✓ D. 54

Q.17 The marked price of a refrigerator is ₹4,884. The shopkeeper allows a discount of 10% and gains 8%. If no discount is allowed, his gain percentage would be:

Ans
- ✓ A. 20%
- ✗ B. 40%
- ✗ C. 30%
- ✗ D. 10%

Q.18 A student scores an average of 72 marks in 5 subjects and 84 marks in 3 additional subjects. The overall average marks is

Ans
- ✗ A. 75.25
- ✗ B. 76.25
- ✓ C. 76.5
- ✗ D. 75.5

Q.19 The following ratios are given:
a : b = 2 : 3
b : c = 4 : 5
c : d = 3 : 2
d : e = 5 : 4
What is the value of the ratio a : e?

Ans
✗ A. 3 : 4
✗ B. 3 : 5
✓ C. 1 : 1
✗ D. 4 : 7

Q.20 If a trader purchases 50 notebooks for ₹1000 and sells all at a gain of 20%, what is the selling price of each notebook?

Ans
✗ A. ₹20
✓ B. ₹24
✗ C. ₹22
✗ D. ₹18

Q.21 A marker costs ₹43. A store offers "Buy 5, Get 2 Free". What is the effective price per marker? [Give your answer in ₹, correct to two places after decimal.]

Ans
✗ A. ₹32.71
✗ B. ₹33.71
✗ C. ₹31.71
✓ D. ₹30.71

Q.22 The sum of the present ages of a father and his son is 50 years. Five years ago, the father's age was three times the son's age. By how many years is the father older than his son?

Ans
✗ A. 18
✗ B. 21
✗ C. 19
✓ D. 20

Q.23 A scooter travels 40 km at 20 km/hr and returns 60 km at the same speed. What is the average speed?

Ans
✗ A. 25 km/hr
✓ B. 20 km/hr
✗ C. 22 km/hr
✗ D. 24 km/hr

Q.24 A tech firm's revenue decreased from ₹2,50,000 to ₹2,12,500. What is the percentage decrease in the revenue?

Ans
✗ A. 10%
✗ B. 20%
✗ C. 12%
✓ D. 15%

Q.25 The angles of depression of two ships from the top of a light house are 45^0 and 30^0 towards east. If the ships are 50 m apart, the height of the light house is

Ans
✗ A. $50\left(\sqrt{3}+1\right)$ m
✗ B. $\frac{25}{\sqrt{3}+1}$ m
✗ C. $\frac{50}{\sqrt{3}+1}$ m
✓ D. $25\left(\sqrt{3}+1\right)$ m

Q.26 The LCM of the numbers 5, 3.2 and 0.03 is:

Ans
✗ A. 120
✗ B. 185
✗ C. 215
✓ D. 240

Q.27 If the income tax is increased by 18%, the net income is reduced by 2%. Find the original rate of income tax.

Ans
✓ A. 10%
✗ B. 12%
✗ C. 5%
✗ D. 8%

Q.28 An article is sold at a profit of 58%. If the cost price is increased by ₹20 and the selling price is reduced by ₹74, then the profit would be 52.5%. What is the original cost price (in ₹) of the article?

Ans
✓ A. 1,900
✗ B. 2,100
✗ C. 2,000
✗ D. 2,200

Q.29 What sum (in ₹) will earn a simple interest of ₹1,440 in 3 years at 8% per year rate of interest?

Ans
✓ A. 6,000
✗ B. 3,000
✗ C. 345.6
✗ D. 12,000

Q.30 Simplify: $\left\{\frac{20}{33}\div\frac{20}{7}\right\}\div\left(\frac{3}{5}\times\frac{10}{9}+\frac{2}{11}\right)+\frac{7}{4}\div\frac{28}{23}\text{of}\frac{23}{4}$

Ans
✗ A. $\frac{19}{29}$
✗ B. $\frac{23}{31}$
✓ C. $\frac{1}{2}$
✗ D. $\frac{6}{19}$

Section : **General Awareness**

Q.31 Solar energy is globally measured in the unit of KWh. The physical quantity corresponding to the unit KWh is _____.

Ans

✗ A. Current

✓ B. Electric energy

✗ C. Electric charge

✗ D. Force

Q.32 Which of the following features of the Constitution of India is NOT borrowed from the United Kingdom?

Ans

✗ A. Speaker of Lok Sabha

✗ B. Single citizenship

✗ C. Bicameral Parliament

✓ D. Appointment of state governors by the Centre

Q.33 Which Constitutional Amendment introduced 10% reservation for Economically Weaker Sections in education and jobs?

Ans

✓ A. 103rd Amendment

✗ B. 98th Amendment

✗ C. 102nd Amendment

✗ D. 104th Amendment

Q.34 How many Departmentally Related Standing Committees (DRSCs) are there in the Indian Parliament?

Ans

✗ A. 15

✓ B. 24

✗ C. 31

✗ D. 21

Q.35 Who wrote the iconic nationalist novel *Anandamath*?

Ans

✗ A. Sarat Chandra Chattopadhyay

✗ B. Rabindranath Tagore

✓ C. Bankim Chandra Chattopadhyay

✗ D. Dinabandhu Mitra

Q.36 Who led the Ahom Revolt (1828–33) against British interference in Assam?

Ans

✓ A. Gomdhar Konwar

✗ B. Harakanta

✗ C. Piyali Phukan

✗ D. Maniram Dutta

Q.37 The Banarasi, Patiala and Lucknow Gharanas are associated with which of the following musical styles?

Ans

✗ A. Chaiti

✓ B. Thumri

✗ C. Kajari

✗ D. Tappa

Q.38 Which of the following is NOT an objective of the Pradhan Mantri Fasal Bima Yojana (PMFBY)?

Ans

✗ A. Stabilising farmers' income and ensuring continuation in farming activities

✗ B. Promoting adoption of modern and innovative agricultural practices by farmers

✓ C. Providing minimum support price for agricultural produce to farmers

✗ D. Providing financial support to farmers facing crop loss due to unforeseen events

Q.39 **Who won the Holberg Prize in 2025?**

Ans
- ✗ A. Maithili Mrinalini
- ✓ B. Gayatri Chakravorty Spivak
- ✗ C. Vidya Balan
- ✗ D. Urmila Satyanarayana

Q.40 **A national emergency must be approved by Parliament within _____.**

Ans
- ✗ A. 45 Days
- ✓ B. 30 Days
- ✗ C. 90 Days
- ✗ D. 60 Days

Q.41 **Which landmark case is credited with relaxing the rule of locus standi and establishing the foundation for Public Interest Litigation (PIL) in India?**

Ans
- ✗ A. Minerva Mills vs. Union of India
- ✗ B. Golaknath vs. State of Punjab
- ✗ C. Maneka Gandhi vs. Union of India
- ✓ D. S.P. Gupta vs. Union of India

Q.42 **When lemon juice is added to milk, it forms paneer. This process is known as _____.**

Ans
- ✓ A. Coagulation
- ✗ B. Hydrolysis
- ✗ C. Crystallization
- ✗ D. Sedimentation

Q.43 **A physicist is designing an experiment where the result depends on the product of force and velocity. Which of the following physical quantities is directly measured by this product, considering units and dimensions?**

Ans
- ✗ A. Energy
- ✗ B. Impulse
- ✓ C. Power
- ✗ D. Pressure

Q.44 **In basketball, what does the term “triple-double” signify?**

Ans
- ✗ A. Achieving double the points, rebounds, and assists in a single game
- ✗ B. Making three consecutive dunks in a game
- ✓ C. Recording double digits in three statistical categories
- ✗ D. Committing three technical fouls in a match

Q.45 **When was Oil India Limited (OIL) incorporated as a company?**

Ans
- ✗ A. 1965
- ✓ B. 1959
- ✗ C. 1956
- ✗ D. 1962

Q.46 **Which three indicators are considered while calculating the Human Development Index (HDI)?**

Ans
- ✗ A. Foreign exchange reserves, literacy rate, and poverty rate
- ✓ B. Life expectancy, education, and per capita income
- ✗ C. GDP, inflation rate, and unemployment rate
- ✗ D. Industrial production, exports, and imports

Q.47 In Google Docs, when you press Ctrl + S, what technical action occurs in the background?

Ans

✗ A. The document is saved to local storage

✗ B. The keyboard shortcut is not recognized

✓ C. An immediate sync to Drive is triggered

✗ D. The Save As dialog box appears on screen

Q.48 Which type of natural vegetation is typically found in regions with high temperature, high humidity, and rainfall exceeding 200 cm annually?

Ans

✗ A. Temperate grasslands

✗ B. Thorn and scrub vegetation

✓ C. Tropical evergreen forests

✗ D. Tropical deciduous forests

Q.49 In November 2025, the first-ever auction of seven limestone mineral blocks was launched in which Union Territory?

Ans

✗ A. Puducherry

✗ B. Andaman and Nicobar Islands

✗ C. Chandigarh

✓ D. Jammu & Kashmir

Q.50 According to the Census 2011, which state remained the most populous in India?

Ans

✓ A. Uttar Pradesh

✗ B. Bihar

✗ C. West Bengal

✗ D. Maharashtra

Q.51 Which institute is partnering with the Ministry of Minority Affairs to provide future-tech training in Kerala on 8th October 2025 ?

Ans

✗ A. IIT Bombay

✗ B. NIT Calicut

✗ C. IIT Madras

✓ D. IIT Palakkad

Q.52 Consider the following statements regarding RAM and ROM and select the correct option.

(i) ROM is faster than RAM because it stores permanent system instructions accessed less frequently by the CPU.
(ii) RAM can be read from and written to by the CPU, but its contents are erased when the power is turned off.

Ans

✗ A. (i) True, (ii) True

✗ B. (i) True, (ii) False

✓ C. (i) False, (ii) True

✗ D. (i) False, (ii) False

Q.53 The earliest evidence of stone tools in India has been found at:

Ans

✗ A. Mehrgarh

✗ B. Lothal

✗ C. Hunsgi Valley

✓ D. Attirampakkam

Q.54 Who amongst the following won CNN-News18's Indian of the Year 2025 in sports?

Ans
- ✗ A. Mahendra Singh Dhoni
- ✓ B. Jay Shah
- ✗ C. Gautam Gambhir
- ✗ D. Rahul Dravid

Q.55 Which Part of the Indian Constitution deals with Panchayats?

Ans
- ✗ A. Part V
- ✓ B. Part IX
- ✗ C. Part VII
- ✗ D. Part XI

Q.56 Which of the following pairs of local names of Western Ghats and their respective states are correctly matched?

Local Name of Western Ghats Known in State
(1) Sahyadri Maharashtra
(2) Nilgiri Hills Karnataka and Tamil Nadu
(3) Anaimalai Hills Kerala

Ans
- ✓ A. 1, 2 and 3
- ✗ B. Only 1 and 2
- ✗ C. Only 1
- ✗ D. Only 2 and 3

Q.57 Which tool is most commonly used by the Reserve Bank of India to regulate liquidity in the economy?

Ans
- ✓ A. Repo rate adjustment
- ✗ B. Fiscal stimulus
- ✗ C. Government subsidies
- ✗ D. Tariff imposition

Q.58 The leader of the Rampa Revolt (1922–24) in Andhra Pradesh was:

Ans
- ✗ A. Chittu Pandey
- ✓ B. Alluri Seetharama Raju
- ✗ C. Ram Chandra Reddy
- ✗ D. Durgawati Devi

Q.59 Which of the following correctly describes the role of the Windows operating system?

Ans
- ✓ A. Managing files and folders
- ✗ B. Editing audio files
- ✗ C. Designing multimedia presentations
- ✗ D. Playing games

Q.60 Which of the following substances is considered neutral according to the pH scale?

Ans
- ✗ A. Sea water
- ✓ B. Pure water
- ✗ C. Stomach acid
- ✗ D. Lime juice

Q.61 The 'Kensington Treaty' was signed between which of the following two countries in 2025?

Ans
- ✗ A. United Kingdom (UK) and France
- ✓ B. United Kingdom (UK) and Germany
- ✗ C. Germany and France
- ✗ D. United Kingdom (UK) and Italy

Q.62 A window that covers the entire screen without showing the desktop behind it is said to be in:

Ans
- ✗ A. Restored mode
- ✗ B. Hidden mode
- ✓ C. Full-screen mode
- ✗ D. Minimized mode

Q.63 Which of the following is NOT included in the four official meteorological seasons of India?

Ans
- ✗ A. Winter season
- ✗ B. Summer season
- ✓ C. Spring season
- ✗ D. Rainy season

Q.64 National Unity Day, observed in India on 31 October 2025, commemorates the birth anniversary of which national leader?

Ans
- ✗ A. Jawaharlal Nehru
- ✓ B. Sardar Vallabhbhai Patel
- ✗ C. Mahatma Gandhi
- ✗ D. Lal Bahadur Shastri

Q.65 How much funding did ADB pledge for India's urban infrastructure over the next five years from 2025 to 2030?

Ans
- ✗ A. USD 5 billion
- ✗ B. USD 8 billion
- ✗ C. USD 12 billion
- ✓ D. USD 10 billion

Q.66 What was the central aim of Raja Rammohan Roy's Atmiya Sabha in early nineteenth-century Bengal?

Ans
- ✗ A. Supporting caste exclusiveness and encouraging ritualistic social customs
- ✓ B. Opposing idolatry and promoting rational interpretation of Vedantic doctrine
- ✗ C. Defending polytheistic worship and resisting all intellectual reform efforts
- ✗ D. Propagating occult traditions and discouraging scientific modes of thinking

Q.67 As reiterated by the Supreme Court of India in September 2025, under which legislation does a Tribunal have the authority to order the eviction of a child from the property of a senior citizen in cases of failure to maintain them?

Ans
- ✗ A. Maintenance and Welfare of Parents and Senior Citizens Act, 2008
- ✓ B. Maintenance and Welfare of Parents and Senior Citizens Act, 2007
- ✗ C. Maintenance and Welfare of Parents and Senior Citizens Act, 2009
- ✗ D. Maintenance and Welfare of Parents and Senior Citizens Act, 2006

Q.68 **The Atal Tunnel is built in which Himalayan range?**

Ans
- ✗ A. Karakoram Range
- ✓ B. Pir Panjal Range
- ✗ C. Zaskar Range
- ✗ D. Dhauladhar Range

Q.69 **Which of the following Chola rulers is credited with building a powerful navy and conquering Sri Lanka, Maldives, and Lakshadweep?**

Ans
- ✓ A. Rajaraja I
- ✗ B. Vijayalaya
- ✗ C. Kulottunga I
- ✗ D. Rajendra I

Q.70 **When was the Telugu language declared as a classical language of India?**

Ans
- ✗ A. 2007
- ✗ B. 2006
- ✓ C. 2008
- ✗ D. 2005

Section : **General Intelligence and Reasoning**

Q.71 **Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.**

(Left) 9 6 3 1 8 7 2 9 5 6 1 4 7 5 3 4 5 6 2 6 8 7 2 3 7 6 5 8 (Right)

How many such even digits are there which are immediately preceded by a perfect square and immediately followed by an odd digit?
(NOTE: 1 is also a perfect square.)

Ans
- ✗ A. More than three
- ✗ B. Two
- ✓ C. Three
- ✗ D. One

Q.72 **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 one 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
- ✓ A. UX-QR
- ✗ B. OR-KM
- ✗ C. QT-MO
- ✗ D. SV-OQ

Q.73 **In a certain code language,**
A $ B means 'A is the father of B',
A @ B means 'A is the sister of B',
A # B means 'A is the wife of B' and
A & B means 'A is the brother of B'.

How is L related to T if 'L # I $ G @ H & T'?

Ans
- ✗ A. Brother
- ✗ B. Sister
- ✗ C. Daughter
- ✓ D. Mother

Q.74 What should come in place of the '?' in the given series?

7 11 20 24 46 50 ?

Ans
- ✔ A. 98
- ✘ B. 96
- ✘ C. 100
- ✘ D. 102

Q.75 In a row of 122 students facing north, Ccd is 54th from the right end. If Vks is 17th to the left of Ccd, what is Vks's position from the left end of the line?

Ans
- ✔ A. 52nd
- ✘ B. 53rd
- ✘ C. 56th
- ✘ D. 54th

Q.76 What should come in place of the '?' in the given series?

8 6 9 23 87 ?

Ans
- ✘ A. 421
- ✔ B. 429
- ✘ C. 437
- ✘ D. 433

Q.77 Av, Bg, Ck, Dq, Et, Fx and Gp are sitting around a circular table, facing the centre. Bg sits second to the right of Av. Gp sits second to the left of Av. Dq sits third to the right of Gp. Ck sits to the immediate right of Fx.
How many people sit between Et and Ck when counted from the left of Et?

Ans
- ✘ A. Two
- ✘ B. Three
- ✘ C. None
- ✔ D. One

Q.78 What should come in place of '?' in the given series based on the English alphabetical order?

URW GDI SPU EBG ?

Ans
- ✔ A. QNS
- ✘ B. LIN
- ✘ C. NJP
- ✘ D. PLR

Q.79 Seven boxes, B, C, D, E, Q, R and S, are kept one over the other, but not necessarily in the same order. Only one box is kept above E. Only two boxes are kept between C and E. B is kept immediately above E. Only Q is kept immediately below S. D is kept at some place below B and at some place above R. How many boxes are kept between B and S?

Ans
- ✘ A. Three
- ✔ B. Four
- ✘ C. One
- ✘ D. Two

Q.80 MJ 8 is related to OM -6 in a certain way. In the same way, RW 12 is related to TZ -2. To which of the following is UR 1 related, following the same logic?

Ans
- ✘ A. KKO -12
- ✘ B. YT -10
- ✔ C. WU -13
- ✘ D. UH -5

Q.81 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 one 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 pairs.)

Ans
- ✔ A. ZB – PH
- ✘ B. SU-KA
- ✘ C. UW-MC
- ✘ D. MO – EU

Q.82 In a certain code language, 'DOLT' is coded as '4963' and 'LOTS' is coded as '6435'. What is the code for 'S' in the given code language?

Ans
- ✘ A. 6
- ✔ B. 5
- ✘ C. 4
- ✘ D. 3

Q.83 Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.
QVI : KZJ
USH : OWI

Ans
- ✔ A. LQG : FUH
- ✘ B. CNK : WRJ
- ✘ C. BRH : VVF
- ✘ D. AHL : UMK

Q.84 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FHD GIE HJF IKG ?

Ans
- ✘ A. JKM
- ✔ B. JLH
- ✘ C. JMG
- ✘ D. JKG

Q.85 Seven people H, I, J, K, W, Y and Z are sitting around a circular table facing the center of the table. Only one person sits between H and W when counted from the left of W. Z sits third to the right of I. J sits third to the left of K. Z sits to the immediate right of J. Y is not an immediate neighbor of J. How many people sit between Y and W when counted from the right of Y?

Ans
- ✘ A. Two
- ✘ B. One
- ✔ C. Three
- ✘ D. Four

Q.86 If 'A' stands for '÷' , 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-' , what will come in place of the question mark '?' in the following equation?
81 A 3 D 7 B 2 C 16 = ?

Ans
- ✘ A. 24
- ✘ B. 21
- ✔ C. 29
- ✘ D. 32

Q.87 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GAO 81 , EYM 75 , CWK 69 , AUI 63 , ?

Ans
✗ A. YRJ 50
✗ B. XRF 55
✗ C. XSF 52
✓ D. YSG 57

Q.88 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?

25 A 51 D 3 B 6 C 5 = ?

Ans
✓ A. 12
✗ B. 14
✗ C. 15
✗ D. 10

Q.89 In a certain code language,
A % B means 'A is the sister of B'
A € B means 'A is the son of B'
A = B means 'A is the father of B'
A ? B means 'A is the daughter of B'
Based on the above, how is B related to X if 'B % C ? O € P = X'?

Ans
✗ A. Mother's mother
✗ B. Mother
✗ C. Wife
✓ D. Brother's daughter

Q.90 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 tigers are chairs.
All chairs are monks.

Conclusions:
(I) Some monks are chairs.
(II) All tigers are monks.

Ans
✗ A. Only conclusion (II) follows
✗ B. Only conclusion (I) follows
✗ C. Neither conclusion (I) nor (II) follows
✓ D. Both conclusions (I) and (II) follow

Q.91 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 3 5 8 9 7 4 1 5 9 6 2 3 6 5 8 7 4 1 5 9 8 6 3 2 1 5 4 7 8 4 1 2 5 9 8 7 4 1 5 6 2 3 9 8 7 8 9 7 5 1(Right)
How many such odd digits are there, each of which is immediately preceded by a perfect cube and immediately followed by an even digit? (NOTE: 1 is also a perfect cube.)

Ans
✗ A. 6
✓ B. 5
✗ C. 4
✗ D. 8

Q.92 Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)
(Left) 7 5 9 2 7 9 4 1 5 1 7 8 3 2 8 4 1 2 3 8 2 7 9 (Right)
How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

Ans
- ✔ A. Three
- ✘ B. Two
- ✘ C. One
- ✘ D. None

Q.93 FR 6 is related to KN -6 in a certain way. In the same way, LU 9 is related to QQ -3. To which of the following is LS 14 related, following the same logic?

Ans
- ✔ A. QO 2
- ✘ B. YT 8
- ✘ C. PR 0
- ✘ D. GT 6

Q.94 Mr. Vasu starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 19 km, turns left and drives 36 km. He then takes a left turn and drives 19 km, turns left drives 9 km. He then takes a right turn and drives 5 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

Ans
- ✘ A. 8 km to the north
- ✘ B. 7 km to the south
- ✘ C. 4 km to the west
- ✔ D. 5 km to the east

Q.95 In a certain code language, 'VIBE' is coded as '4395' and 'BITE' is coded as '5914'. What is the code for 'T' in the given code language?

Ans
- ✔ A. 1
- ✘ B. 5
- ✘ C. 4
- ✘ D. 9

Q.96 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/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 7, 21)
(56, 28, 42)

Ans
- ✘ A. (114, 57, 72)
- ✘ B. (242, 121, 134)
- ✘ C. (346, 173, 188)
- ✔ D. (62, 31, 45)

Q.97 In a row of 15 students facing the north, Yusuf is 10^{th} from the right end. If Suman is 4^{th} to the left of Yusuf, what is Suman's position from the left end of the line?

Ans
- ✘ A. 1^{st}
- ✔ B. 2^{nd}
- ✘ C. 4^{th}
- ✘ D. 3^{rd}

Q.98 **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 one that does not belong to that group?**
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans
- ✔ A. XA – TU
- ✘ B. RF – NB
- ✘ C. MJ – IF
- ✘ D. PL – LH

Q.99 **Which two numbers should be interchanged to make the given equation correct?**

(28 ÷ 4) × 6 + 14 × 3 − 7 × 9 + (66 ÷ 2) + 38 = 67

Ans
- ✘ A. 4 and 7
- ✘ B. 6 and 3
- ✔ C. 2 and 3
- ✘ D. 2 and 6

Q.100 **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: Some poets are writers. All writers are dreamers.
Conclusions:
(I) Some dreamers are poets.
(II) All poets are dreamers.

Ans
- ✘ A. Neither conclusion (I) nor (II) follows
- ✘ B. Both conclusions (I) and (II) follow
- ✘ C. Only conclusion (II) follows
- ✔ D. Only conclusion (I) follows

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