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	20/08/2025
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 In which state did the Indian Army conduct the tri-service integrated multi-domain warfare exercise, 'Prachand Prahaar', in March 2025?

Ans ✗ 1. Meghalaya

✗ 2. Sikkim

✗ 3. Assam

✓ 4. Arunachal Pradesh

Q.2 Which international observance, celebrated on 3 March 2025, had the theme 'Wildlife Conservation Finance: Investing in People and Planet'?

Ans ✗ 1. International Day for Biological Diversity

✗ 2. World Environment Day

✗ 3. Earth Day

✓ 4. World Wildlife Day

Q.3 Which Delhi Sultan captured Bukka and Harihara after the fall of the Kakatiya Kingdom?

Ans ✗ 1. Firoz Shah Tughlaq

✗ 2. Balban

✓ 3. Muhammad bin Tughlaq

✗ 4. Alauddin Khalji

Q.4 Which mountain is located in South America?

Ans ✗ 1. Rockies

✗ 2. Alps

✗ 3. Vosges

✓ 4. Andes

Q.5 Which author released 'The Himalaya in a Small House' in 2025, chronicling life in a Himalayan village?

Ans ✗ 1. Amitav Ghosh

✗ 2. Ruskin Bond

✓ 3. Anuradha Roy

✗ 4. Namita Gokhale

Q.6 Which of the following is India's first cheetah conservation breeding centre, approved by the Central Zoo Authority (CZA) in 2024?

Ans ✖ 1. Gandhi Sagar Wildlife Sanctuary

✔ 2. Banni grasslands

✖ 3. Bandhavgarh National Park

✖ 4. Tadoba National Park

Q.7 According to the Census of India 2011, which is the most Urbanised state of India?

Ans ✖ 1. Kerala

✔ 2. Goa

✖ 3. Punjab

✖ 4. Haryana

Q.8 Which of the following options lies between the Western Ghats and the Arabian Sea?

Ans ✖ 1. Malwa Plateau

✖ 2. Deccan Plateau

✖ 3. Eastern Coastal Plain

✔ 4. Western Coastal Plain

Q.9 During which of the following dynasties was the Kailasa Temple at Ellora built?

Ans ✖ 1. Cholas

✖ 2. Chalukyas

✖ 3. Pallavas

✔ 4. Rashtrakutas

Q.10 As of May 2025, former cricketer Harbhajan Singh represents which political party in the Rajya Sabha?

Ans ✔ 1. Aam Aadmi Party

✖ 2. Bharatiya Janata Party

✖ 3. Indian National Congress

✖ 4. Shiromani Akali Dal (Badal)

Q.11 Which of the following shortcut keys is used to switch between open applications in Windows?

Ans ✖ 1. Alt + Ins

✖ 2. Alt + F4

✖ 3. Alt + Del

✔ 4. Alt + Tab

Q.12 The Sarkaria Commission primarily focussed on strengthening which type of federalism in India?

Ans ✔ 1. Co-operative federalism

✖ 2. Fiscal federalism

✖ 3. Unitary federalism

✖ 4. Competitive federalism

Q.13 Liberalisation reduced government control over economic activities. What did liberalisation in 1991 primarily aim to eliminate?

Ans ✖ 1. Banking services

✔ 2. Industrial licensing and quota system

✖ 3. Public sector employment

✖ 4. Agricultural subsidies

Q.14 Under Article 244(2) of the Constitution of India, the provisions of the Sixth Schedule apply to the administration of tribal areas in which of the following sets of States?

Ans
❌ 1. Gujarat, Madhya Pradesh, Rajasthan and Chhattisgarh

✅ 2. Assam, Meghalaya, Tripura and Mizoram

❌ 3. Nagaland, Manipur, Meghalaya and Arunachal Pradesh

❌ 4. Bihar, Odisha, West Bengal and Assam

Q.15 How many mutually independent base quantities are there in the current International System of Units (SI)?

Ans
✅ 1. 7

❌ 2. 10

❌ 3. 6

❌ 4. 13

Q.16 Which of the following Indian states received a World Bank loan of ₹2,424 crore to upgrade healthcare?

Ans
❌ 1. Gujarat

❌ 2. Andhra Pradesh

❌ 3. Rajasthan

✅ 4. Kerala

Q.17 Which of the following Fundamental Rights is guaranteed under Article 14 of the Indian Constitution?

Ans
✅ 1. Equality before the law

❌ 2. Right to freedom of religion

❌ 3. Prohibition of child labour

❌ 4. Protection of life and personal liberty

Q.18 Identify the correct combination of the abbreviation, its full form and its application.

Ans
❌ 1. CD – Compact Disk – Used for high-speed internet access

❌ 2. ASCII – Automated Symbolic Code for Integrated Input – Converts images to code

✅ 3. ASCII – American Standard Code for Information Interchange – Encodes text in computers

❌ 4. LAN – Large Area Network – Used for connecting computers across continents

Q.19 Who among the following officials was responsible for maintaining law and order in a village during Sher Shah's administration?

Ans
❌ 1. Qazi

❌ 2. Muqaddam

✅ 3. Shiqqdar

❌ 4. Fotedar

Q.20 Where is the primary focus of the Sampoorna Grameen Rozgar Yojana (SGRY)?

Ans
❌ 1. Urban areas

❌ 2. Coastal areas

❌ 3. Industrial areas

✅ 4. Rural areas

Q.21 Which undersea defence weapon was successfully trialed by the Indian Navy in May 2025?

Ans
❌ 1. Deep-Sea Explosive

❌ 2. Hydro Depth Torpedo

❌ 3. Submarine Neutralizer

✅ 4. Multi-Influence Ground Mine

Q.22 The main reason for the Partition of India in 1947 was ___.

Ans ✅ 1. Communal tensions and political disagreements

❌ 2. Language dispute

❌ 3. British administrative failure

❌ 4. Social and Economic differences in community

Q.23 Which of the following rivers belongs to the Peninsular Plateau?

Ans ✅ 1. Krishna river

❌ 2. Lohit river

❌ 3. Beas river

❌ 4. Dibang river

Q.24 At the Doha Diamond League 2025, after throwing beyond 90 metres, Neeraj Chopra achieved which historic distinction for Indian athletics?

Ans ❌ 1. He broke the world record for the longest javelin throw.

✅ 2. He became the 1st Indian athlete to surpass the 90-metre mark in javelin throw.

❌ 3. He became the 3rd Indian athlete to surpass the 90-metre mark in javelin throw.

❌ 4. He became the 2nd Indian athlete to surpass the 90-metre mark in javelin throw.

Q.25 Which of the following is the most abundant protein in the biosphere?

Ans ❌ 1. GLUT-4

❌ 2. Collagen

✅ 3. RuBisCO

❌ 4. Myosin

Q.26 In which of the following years did Lord Curzon pass the Indian Universities Act, imposing strict control over Indian universities?

Ans ❌ 1. 1886

❌ 2. 1897

✅ 3. 1904

❌ 4. 1889

Q.27 With which of the following countries has Armenia signed a peace treaty in March 2025?

Ans ❌ 1. Georgia

✅ 2. Azerbaijan

❌ 3. Turkey

❌ 4. Syria

Q.28 The Fifth Schedule of the Indian Constitution contains provisions for the administration and control of which of the following?

Ans ✅ 1. Scheduled Areas and Scheduled Tribes

❌ 2. Official languages of India

❌ 3. Union and State Lists of the Seventh Schedule

❌ 4. Disqualification of legislators on grounds of defection

Q.29 What does Section 498A of the Indian Penal Code (IPC) deal with?

Ans ❌ 1. Dowry death

❌ 2. Domestic violence protection

✅ 3. Cruelty by husband or his relatives towards a woman

❌ 4. Child marriage

Q.30 As of March 14, 2024, which of the following is Asia's longest tunnel?

Ans
- ✗ 1. Pir Panjal Railway Tunnel
- ✓ 2. Zojila Tunnel
- ✗ 3. Tike Tunnel
- ✗ 4. Natuwadi Tunnel

Q.31 Which of the following kitchen chemicals is commonly used to preserve pickles?

Ans
- ✓ 1. Vinegar
- ✗ 2. Yeast
- ✗ 3. Baking soda
- ✗ 4. Sugar

Q.32 When was the Real Estate (Regulation and Development) Act (RERA) enacted to regulate and promote the real estate sector, ensuring transparency and accountability in transactions and protecting the interests of homebuyers?

Ans
- ✗ 1. 2020
- ✓ 2. 2016
- ✗ 3. 2018
- ✗ 4. 2012

Q.33 Who administers the oath of office to the Governor?

Ans
- ✗ 1. President
- ✗ 2. Vice-President
- ✓ 3. Chief Justice of High Court
- ✗ 4. Chief Minister

Q.34 Which Indian think tank organised the 2025 World Sustainable Development Summit (WSDS)?

Ans
- ✗ 1. The Energy and Resource Institute (TERI)
- ✗ 2. Centre for Science and Environment (CSE)
- ✓ 3. National Institution for Transforming India (NITI) Aayog
- ✗ 4. Research and Information System (RIS)

Q.35 VARUNA is a bilateral naval exercise between India and:

Ans
- ✗ 1. the US
- ✗ 2. South Korea
- ✓ 3. France
- ✗ 4. the UK

Q.36 What was the outcome of the 2025 Delhi Legislative Assembly elections?

Ans
- ✗ 1. AAP retained power with an increased majority.
- ✓ 2. BJP won a majority, forming the government.
- ✗ 3. Hung assembly; a coalition was formed between BJP and Congress.
- ✗ 4. Congress won for the first time in over a decade.

Q.37 When was the Community Development Programme (CDP) launched in India?

Ans
- ✗ 1. 1 July 1951
- ✓ 2. 2 October 1952
- ✗ 3. 1 January 1947
- ✗ 4. 1 March 1950

Q.38 The names of Dora Bisoi and Chakra Bisoi are associated with the uprising against political unrest, the unsuitability of British laws and regulations and the economic suffering of the Khonds in _____.

Ans ✗ 1. Eluru, Andhra Pradesh

✗ 2. Mandawa, Rajasthan

✓ 3. Ghumusar, Odisha

✗ 4. Jandiala, Punjab

Q.39 Which Indian football club won the 2025 Kalinga Super Cup?

Ans ✗ 1. Jamshedpur FC

✓ 2. FC Goa

✗ 3. Bengaluru FC

✗ 4. ATK Mohun Bagan

Q.40 Which Indian city is home to the Motilal Nehru National Institute of Technology (MNNIT), where research on lightning impact on planes is being conducted?

Ans ✓ 1. Prayagraj

✗ 2. Lucknow

✗ 3. Varanasi

✗ 4. Kanpur

Section : Mathematics

Q.1 The number of prime numbers lying between 476 and 485, both included, is:

Ans ✗ 1. 2

✓ 2. 1

✗ 3. 4

✗ 4. 6

Q.2 A shopkeeper is given a 10% trade discount and a 5% scheme discount (free units). On purchasing 100 units priced at ₹50 each, what is the trade discount amount?

Ans ✓ 1. ₹500

✗ 2. ₹250

✗ 3. ₹1,000

✗ 4. ₹700

Q.3 5 men can complete a piece of work in 18 days, while 9 women can do it in 5 days. In how many days can 3 women and 3 men complete this work?

Ans ✗ 1. 5 days

✓ 2. 10 days

✗ 3. 7 days

✗ 4. 8 days

Q.4 *By how much is 65% of 65 greater than $\frac{4}{5}$ of 15?*

Ans ✗ 1. 24.25

✗ 2. 28.25

✗ 3. 27.25

✓ 4. 30.25

Q.5 A discount of 13% on the marked price of an article is allowed and then the article is sold for ₹348. The marked price of the article is:

Ans
❌ 1. ₹392

❌ 2. ₹420

❌ 3. ₹380

✅ 4. ₹400

Q.6 If 36% of first number is equal to four-sevenths of second number, what is the ratio of first number to the second number?

Ans
❌ 1. 95 : 60

✅ 2. 100 : 63

❌ 3. 99 : 62

❌ 4. 104 : 61

Q.7 Kushal and Brijesh together invested ₹37,100 in a business. At the end of the year, out of a total profit of ₹12,000, Brijesh's share was ₹5,700. What was the difference between their investments?

Ans
✅ 1. ₹1,855

❌ 2. ₹1,742

❌ 3. ₹3,438

❌ 4. ₹2,347

Q.8 A trader claims to sell grains at a profit of 29%, 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. 50%

❌ 2. 43%

✅ 3. 48%

❌ 4. 49%

Q.9 The product of two consecutive natural numbers is 6. The greater of the two numbers is:

Ans
❌ 1. 2

❌ 2. 19

✅ 3. 3

❌ 4. 5

Q.10 The average of first 152 odd natural numbers, is:

Ans
❌ 1. 152.5

❌ 2. 153

✅ 3. 152

❌ 4. 151.5

Q.11 If $\dfrac{\sin\alpha + \cos\alpha}{\sin\alpha - \cos\alpha} = 3$, then the value of $\sin^2\alpha$ is:

Ans
❌ 1. $\dfrac{3}{5}$

❌ 2. $\dfrac{2}{5}$

✅ 3. $\dfrac{4}{5}$

❌ 4. $\dfrac{1}{5}$

Q.12 The population of a district is 329000, out of which 209000 are males. 44% of the population is literate. If 44% males are literate, then what percentage of females are literate?

Ans
✗ 1. 42%

✗ 2. 45%

✔ 3. 44%

✗ 4. 46%

Q.13 Train A leaves station M at 8:00 a.m. and reaches station N at 3:00 p.m. on the same day. Train B leaves station N at 10:00 a.m. and reaches station M at 3:00 p.m. on the same day. Find the time when Trains A and B meet.

Ans
✗ 1. 5:46 a.m.

✔ 2. 12:05 p.m.

✗ 3. 11:14 a.m.

✗ 4. 6: 47 a.m.

Q.14 A, B and C invest a sum in the ratio of 61 : 43 : 90, respectively. If they earned a total profit of ₹2,910 at the end of the year, then what is the difference between share of B and C?

Ans
✗ 1. ₹753

✔ 2. ₹705

✗ 3. ₹807

✗ 4. ₹633

Q.15 ABCD is a trapezium in which BC ∥ AD and AC = CD. If ∠ABC = 20° and ∠BAC = 131°, then what is the measure of ∠ACD (in degree)?

Ans
✗ 1. 111°

✗ 2. 128°

✔ 3. 122°

✗ 4. 113°

Q.16 A sum of ₹2,500 is invested in a bank at 2% interest per annum compounded annually. On maturity, the amount payable becomes ₹2,601. Find the time period of the investment.

Ans
✔ 1. 2 years

✗ 2. 1 year

✗ 3. 2.5 years

✗ 4. 1.5 years

Q.17 Evaluate: (-9) - (-60) ÷ (-10) + (-3) × 8

Ans
✗ 1. -42

✗ 2. -38

✔ 3. -39

✗ 4. -41

Q.18 The average price of three items of furniture is ₹16,050. If their prices are in the ratio 3 : 5 : 7, the price of the cheapest item (in ₹) is:

Ans
✗ 1. 7,490

✔ 2. 9,630

✗ 3. 5,350

✗ 4. 3,210

Q.19 A cylindrical rod has an outer curved surface area of 1800 cm². If the length of the rod is 52 cm, then the outer radius (in cm) of the rod, correct to two places of decimal, is: Take $\pi = \frac{22}{7}$.

Ans ✗ 1. 6.32

✔ 2. 5.51

✗ 3. 5.37

✗ 4. 6.69

Q.20 The sum of two numbers is 80 and their L.C.M. is 558. What are the two numbers?

Ans ✗ 1. 16, 64

✔ 2. 18, 62

✗ 3. 23, 57

✗ 4. 11, 69

Q.21 The number 788973289 is divisible by which of the following?

Ans ✗ 1. 12

✗ 2. 7

✔ 3. 13

✗ 4. 18

Q.22 Find the simple interest (in ₹) if a sum of ₹400 is borrowed for 4.5 years at 8% per annum rate of interest.

Ans ✗ 1. 124

✗ 2. 194

✔ 3. 144

✗ 4. 244

Q.23 56 tube lights were purchased for ₹56, and 20 tube lights broke in transit. The trader sold the remaining tube lights at ₹4.60 each. Find his profit.

Ans ✗ 1. ₹112.50

✗ 2. ₹112.60

✔ 3. ₹109.60

✗ 4. ₹120.80

Q.24 A spherical tank has a diameter of 10 metres. What is the volume of the spherical tank? (Use π = 3.141)

Ans ✗ 1. 423.5 cubic metre

✔ 2. 523.5 cubic metre

✗ 3. 492.6 cubic metre

✗ 4. 504.8 cubic metre

Q.25 A can lay railway track between two given stations in 16 days and B can do the same job in 11 days. With the help of C, they did the job in 3 days only. Then, C alone can do the job in

Ans

✗ 1. $9\dfrac{53}{95}days$

✗ 2. $13\dfrac{53}{95}days$

✓ 3. $5\dfrac{53}{95}days$

✗ 4. $11\dfrac{53}{95}days$

Q.26 Simplify the following.

$$4\left(\left(\dfrac{3}{4}\right)x^2 - 26x + 17\right) - 3(x^2 + 4x - 14)$$

Ans

✓ 1. $-116x + 110$

✗ 2. $-116x - 110$

✗ 3. $116x - 10$

✗ 4. $116x + 110$

Q.27 7 years ago, the age of a father was 13 years more than twice his son's age. After how many years, from now, will he be twice his son's age?

Ans

✗ 1. 4

✗ 2. 8

✗ 3. 7

✓ 4. 6

Q.28 What smallest number should be added to 57846 so that the sum is completely divisible by 58?

Ans

✓ 1. 38

✗ 2. 43

✗ 3. 41

✗ 4. 42

Q.29 A bus travelling at 95 km/hr completes a journey in 10 hours. What should be in its speed to cover the same distance in 5 hours?

Ans

✓ 1. 190 km/hr

✗ 2. 182 km/hr

✗ 3. 187 km/hr

✗ 4. 193 km/hr

Q.30 Find the value of: [836 ÷ {30 + 2 × (7 − 3)}].

Ans

✗ 1. 20

✗ 2. 21

✓ 3. 22

✗ 4. 27

Section : **General Intelligence and Reasoning**

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

12 21 40 69 108 ?

Ans ✓ 1. 157

✗ 2. 143

✗ 3. 137

✗ 4. 149

Q.2 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 G. Only two boxes are kept between G and F. Only B is kept above D. E is kept at some place below A and at some place above C. How many boxes are kept above A?

Ans ✗ 1. Four

✓ 2. Two

✗ 3. Three

✗ 4. One

Q.3 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UWZ SUX QSV OQT ?

Ans ✗ 1. MOS

✗ 2. MPS

✓ 3. MOR

✗ 4. MPR

Q.4 In a certain code language, 'close your window' is written as 'mb tb jb' and 'door or window ' is coded as 'lk mb fb'. How is 'window' coded in the given language?

Ans ✓ 1. mb

✗ 2. lk

✗ 3. fb

✗ 4. tb

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All triangle are rectangle. All square are rectangle.

Conclusion (I): Some triangle are square.
Conclusion (II): Some rectangle are square.

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

✗ 2. Only conclusion (I) follows.

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

✓ 4. Only conclusion (II) follows.

Q.6 In a certain code language,
A $ B means 'A is the son of B'
A + B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A ÷ B means 'A is the father of B'
Based on the above, how is E related to N if 'E $ F @ G ÷ M + N'?

Ans ✗ 1. Mother

✗ 2. Sister

✗ 3. Father

✓ 4. Brother

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GMR AGL UAF OUZ ?

Ans ✗ 1. TIO

✗ 2. TOI

✗ 3. ITO

✓ 4. IOT

Q.8 Refer to the following number and symbol series and answer the question that follows. Counting to be done from left to right only.

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

How many such symbols are there, each of which is immediately preceded by an odd number but NOT immediately followed by an even number?

Ans ✗ 1. More than two

✗ 2. One

✓ 3. Two

✗ 4. None

Q.9 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.
ROAM – MORA – OARM
CRIB – BRCI – RICB

Ans ✗ 1. PING – PNIG – GNIP

✓ 2. FUME – EUFM – UMFE

✗ 3. SONG – OSNG – GONS

✗ 4. GUYS – SUGY – YUGS

Q.10 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. KN-GI

✗ 2. SV-OQ

✗ 3. OR-KM

✓ 4. VY-RS

Q.11 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

10 B 3 D 27 C 18 A 2 = ?

Ans ✗ 1. 18

✗ 2. 7

✗ 3. 25

✓ 4. 12

Q.12 What should come in place of the question mark (?) in the given series?

6 24 27 108 111 ?

Ans ✗ 1. 303

✗ 2. 393

✗ 3. 409

✓ 4. 444

Q.13 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 rectangles are squares.
All squares are trapezoids.

Conclusions:

I. All trapezoids are rectangles.
II. Some trapezoids are rectangles.

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 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. SP-AV

✗ 2. JG-RM

✗ 3. QN-YT

✓ 4. BY-JF

Q.15 Seven boxes V, W, X, Y, Z, Q and R are kept one over the other but not necessarily in the same order. V is kept second from the bottom. Only three boxes are kept between V and Y. Z is kept at one of the positions below V. Only Q is kept between Y and R. W is kept at one of the positions above Y. How many boxes are kept between X and Y?

Ans ✗ 1. Three

✗ 2. Four

✓ 3. Two

✗ 4. One

Q.16 Hriday ranked 26th from the top and 38th from the bottom in his class. How many students are there in his class?

Ans ✗ 1. 61

✓ 2. 63

✗ 3. 64

✗ 4. 62

Q.17 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. SO-LQ

✗ 2. PL-IN

✗ 3. VR-OT

✓ 4. MI-FL

Q.18 What will come in place of '?' in the following equation if '+' and '−' are interchanged and 'x' and '÷' are interchanged?

$8 ÷ 6 + 78 × 6 − 17 = ?$

Ans ✅ 1. 52

❌ 2. 66

❌ 3. 45

❌ 4. 59

Q.19 WPKD is related to BUPI in a certain way based on the English alphabetical order. In the same way, QJEX is related to VOJC. To which of the given options is FYTM related, following the same logic?

Ans ✅ 1. KDYR

❌ 2. KDRY

❌ 3. KYRD

❌ 4. KYDR

Q.20 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 4 4 @ 6 9 5 # * + 4 9 % \ & + < > > ^ # (Right)

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

Ans ❌ 1. None

❌ 2. Three

❌ 3. One

✅ 4. Two

Q.21 Person X starts from point A and drives 5 km towards the south. He then takes a left turn, drives 5 km, turns right and drives 5 km. He then takes a right turn and drives 7 km. He then takes a right turn, drives 10 km. He then takes a final left turn and drives 3 km and stops at point B. How far (shortest distance) and towards which direction should he drive in order to reach point A again? (All turns are 90 degrees unless specified)

Ans ❌ 1. 5 km west

✅ 2. 5 km east

❌ 3. 3 km south

❌ 4. 5 km south

Q.22 Manoj starts from Point Y and drives 16 km towards north. He then takes a right turn and drives 4 km. He then turns right and drives 16 km. He takes a final left turn, drives 4 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)

Ans ✅ 1. 8 km towards west

❌ 2. 4 km towards north

❌ 3. 4 km towards east

❌ 4. 6 km towards north

Q.23 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.)
27, 135
33, 165

Ans ✅ 1. 22, 110

❌ 2. 35, 180

❌ 3. 29, 125

❌ 4. 19, 105

Q.24 A, B, C, D, J, K and L are sitting around a circular table, facing the centre of the table. Only three people sit between J and L when counted from the left of J. Only three people sit between K and C when counted from the right of C. D sits to the immediate right of K. A is an immediate neighbour of C as well as L.
Who sits second to the left of B?

Ans ❌ 1. K

❌ 2. C

✅ 3. A

❌ 4. D

Q.25 What should come in place of the question mark (?) in the given series?

491 492 496 505 521 ?

Ans ❌ 1. 541

❌ 2. 531

✅ 3. 546

❌ 4. 536

Q.26 AHJQ is related to DJMS in a certain way based on the English alphabetical order. In the same way, MPVY is related to PRYA. To which of the given options is VVEE related, following the same logic?

Ans ❌ 1. YGHJ

❌ 2. YGFT

✅ 3. YXHG

❌ 4. YXGH

Q.27 Seven people, G, H, I, J, K, L and S, are sitting in a row facing North. Only five people sit between K and G. H sits to the immediate left of G. Only one person sits between H and S. L sits at some place to the left of J but at some place to the right of I. Who sits third from the left end of the line?

Ans ❌ 1. H

✅ 2. L

❌ 3. S

❌ 4. I

Q.28 If 1 is added to each even digit and 2 is subtracted from each odd digit in the number 9342865, then what will be the sum of the digits that are first from the left and first from the right in the new number thus formed?

Ans ❌ 1. 9

✅ 2. 10

❌ 3. 8

❌ 4. 7

Q.29 In a certain code language, 'MUTE' is coded as '4527' and 'TOPS' is coded as '1346'. What is the code for 'T' in that language?

Ans ✗ 1. 1

✔ 2. 4

✗ 3. 3

✗ 4. 2

Q.30 If 1 is added to each even digit and 3 is subtracted from each odd digit in the number 6798245, what will be difference between the highest and second lowest digits thus formed?

Ans ✗ 1. 7

✗ 2. 8

✔ 3. 6

✗ 4. 9