रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS
०५/२०२४ - एनटीपीसी स्नातक स्तर - CEN - 05/2024 - NTPC Graduate Level

Test Center Name	Tejas Online Examination Center
Test Date	19/06/2025
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC Graduate Level 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 : **RRB NTPC Graduate Level I**

Q.1 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

HMP : KON
USQ : XUO

Ans ✔ 1. DLV : GNT

✘ 2. BIO : FNK

✘ 3. DWP : JZI

✘ 4. KWZ : GSC

Q.2 **If the median of a data is 46.36 less than its mode, then the median of the data exceeds its mean by _____. (Use the empirical formula)**

Ans ✔ 1. 23.18

✘ 2. 20.83

✘ 3. 18.76

✘ 4. 19.14

Q.3 **This question is based on the five, three-digit numbers given below.**

(Left) 103 678 217 111 537 (Right)

(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the second digit of the highest number is added to the first digit of the lowest number?

Ans ✘ 1. 11

✔ 2. 8

✘ 3. 7

✘ 4. 9

Q.4 **In a certain code language,**

'A + B' means 'A is the sister of B'
'A – B' means 'A is the father of B'
'A x B' means 'A is the daughter of B'
'A ÷ B' means 'A is the son of B'

Based on the above, how is P related to T if 'P + Q – R ÷ S x T'?

Ans ✘ 1. Father's sister

✔ 2. Daughter's husband's sister

✘ 3. Daughter-in-law

✘ 4. Sister's husband's mother

Q.5 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
RLN PKP NJR ? JHV

Ans ✗ 1. LIS

✗ 2. LJS

✗ 3. LHP

✔ 4. LIT

Q.6 What will be the difference in population 3 years ago and 2 years ago of a town whose current population of 2,60,000 is increasing at a rate of 25% every year?

Ans ✗ 1. 33,630

✗ 2. 32,730

✔ 3. 33,280

✗ 4. 32,530

Q.7 Ramesh purchased $(4x - 3y)$ dolls from a shop at the rate of ₹ $(x + y)$ pe

Ans ✗ 1. ₹ $(4x^2 - xy + y^2)$

✗ 2. ₹ $(x^2 - xy + 3y^2)$

✔ 3. ₹ $(4x^2 + xy - 3y^2)$

✗ 4. ₹ $(x^2 - xy + y^2)$

Q.8 Mr. Filix starts from Point A and drives 19 km towards the South. He then takes a left turn, drives 5 km, turns left and drives 33 km. He then takes a left turn and drives 9 km. He takes a final left turn, drives 14 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 degrees turns only unless specified.)

Ans ✔ 1. 4 km to the East

✗ 2. 2 km to the South

✗ 3. 8 km to the North

✗ 4. 1 km to the West

Q.9 If 18% of a number is equal to $\dfrac{4}{5}$ of another number, then what is the

Ans ✗ 1. $41 : 6$

✗ 2. $42 : 13$

✗ 3. $43 : 5$

✔ 4. $40 : 9$

Q.10 The population of a town in the year 1921 was 3,47,900. If its population increased in two successive decades by 50% in each decade, the population of the town in the year 1941 was:

Ans ✔ 1. 7,82,775

✗ 2. 7,82,777

✗ 3. 7,82,778

✗ 4. 7,82,776

Q.11 At which session of the Indian National Congress was the resolution for Poorna Swaraj (complete independence) passed?

Ans ✗ 1. Calcutta Session, 1920

✗ 2. Lucknow Session, 1916

✗ 3. Karachi Session, 1931

✔ 4. Lahore Session, 1929

Q.12 Which of the following Directive Principles is mentioned in Article 44 of the Constitution of India?

Ans ✗ 1. Organisation of agriculture and animal husbandry

✗ 2. Equal justice and free legal aid

✗ 3. Promotion of co-operative societies

✓ 4. Uniform civil code for the citizens

Q.13 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. Q has an exam on Saturday. Only 4 people have exams between T and U, neither of whom has an exam on Monday. P has an exam immediately after V, and R has an exam immediately before V. U has an exam after P. How many people have exams after R?

Ans ✓ 1. 4

✗ 2. 1

✗ 3. 3

✗ 4. 2

Q.14 A and B complete a work in 14 days. If A alone can do it in 56 days, then B alone can do three-fourth of the same work in _____ days.

Ans ✗ 1. 56

✓ 2. 14

✗ 3. 42

✗ 4. 28

Q.15 The sum of 6 times the present age of A and 4 times the present age of B is 156 years. 2 times the present age of B exceeds 9 times the present age of A by 30 years. What will be the sum of the ages (in years) of A and B, 9 years from now?

Ans ✗ 1. 46

✓ 2. 55

✗ 3. 51

✗ 4. 50

Q.16 An electric pump can fill a tank in 8 hours. Due to a leakage in the tan

How much time will this leak take to empty the full tank if water does

Ans ✗ 1. 52 hours

✗ 2. 39 hours

✓ 3. 56 hours

✗ 4. 50 hours

Q.17 Which of the following materials was not used for making ornaments during the Harappan civilisation?

Ans ✓ 1. Diamond

✗ 2. Carnelian

✗ 3. Steatite

✗ 4. Ivory

Q.18 Who among the following has been appointed as the Chairperson of National Commission for Women (NCW), in October 2024?

Ans ✗ 1. Arti Sarin

✗ 2. Amit Kumar

✓ 3. Vijaya Kishore Rahatkar

✗ 4. Anju Rathi Rana

Q.19 A dishonest shopkeeper claims that he sells rock salt at ₹17/kg, which costs him ₹20/kg. But he gives 567 g instead of 1134 g. What is his profit percentage?

Ans ✗ 1. Profit of 69%

✓ 2. Profit of 70%

✗ 3. Profit of 73%

✗ 4. Profit of 68%

Q.20 One-third of a journey is covered at a speed of 31 km/hr, the next one-third of the journey is covered at a speed of 4 km/hr, and the remaining journey is covered at a speed of 34 km/hr. The average speed (in km/hr, rounded off to one decimal place) for the entire journey is:

Ans ✗ 1. 7.1

✗ 2. 3.1

✓ 3. 9.6

✗ 4. 6.3

Q.21 In $\triangle ABC$, DE $\parallel$ AC, where D and E are the points on sides AB and
If BD $=$ 10 cm and AD $=$ 17 cm, then what is the ratio of the area o

Ans ✗ 1. 406 : 383

✓ 2. 100 : 629

✗ 3. 629 : 100

✗ 4. 344 : 415

Q.22 In March 2025, what important decision did the Supreme Court of India make regarding disability rights?

Ans ✗ 1. It banned all exams for persons with disabilities.

✓ 2. It said disability rights are a part of fundamental rights.

✗ 3. It removed reservations for persons with disabilities.

✗ 4. It allowed only private companies to hire persons with disabilities.

Q.23 A sound wave with a period of 0.01 seconds has a frequency of:

Ans ✗ 1. 1000 Hz

✗ 2. 0.1 Hz

✗ 3. 10 Hz

✓ 4. 100 Hz

Q.24 Three numbers are in the ratio 4 : 5 : 6 and their average is 40. The la

Ans ✗ 1. 42

✗ 2. 44

✓ 3. 48

✗ 4. 32

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' is replaced by '−' and '×' and '÷' are interchanged?

55 ÷ 7 + 9 × 3 + 1 = ?

Ans ✗ 1. 390

✗ 2. 385

✓ 3. 381

✗ 4. 378

Q.26 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 1836547, 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. 8

✘ 2. 12

✘ 3. 14

✘ 4. 10

Q.27 What is the correct method to save a new workbook in MS Excel?

Ans ✔ 1. Click the 'File' tab and choose 'Save As'

✘ 2. Go to the 'Home' tab and click 'Save'

✘ 3. Press 'Ctrl + P'

✘ 4. Press 'Ctrl + Enter'

Q.28 In a certain code language, 'COIL' is coded as '3457' and 'OPEN' is coded as '1246'. What is the code for 'O' in the given code language?

Ans ✘ 1. 3

✘ 2. 1

✔ 3. 4

✘ 4. 2

Q.29 Harappan trade relations extended to:

Ans ✘ 1. Greece

✘ 2. Persia

✔ 3. Mesopotamia

✘ 4. Rome

Q.30 Which of the following organisations won the Pulitzer Prize for Public Service in 2025?

Ans ✔ 1. ProPublica

✘ 2. The Washington Post

✘ 3. The New York Times

✘ 4. Reuters

Q.31 The Indo-Greek king who issued coins with bilingual inscriptions was:

Ans ✘ 1. Apollodotus

✘ 2. Menander I

✔ 3. Demetrius

✘ 4. Antialcidas

Q.32 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. VT – AR

✘ 2. GE – LC

✘ 3. TR – YP

✔ 4. YW – DV

Q.33 In which year was the demonetisation of 500- and 1000-rupees notes announced in India?

Ans   ✗ 1. 2014

     ✗ 2. 2018

     ✓ 3. 2016

     ✗ 4. 2020

Q.34 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. KM - HJ

     ✗ 2. NP - KM

     ✗ 3. HJ - EG

     ✓ 4. MP - LK

Q.35 In Windows 11, why might you receive an 'Access is denied' error when trying to rename a file?

Ans   ✗ 1. You are using the wrong drive letter.

     ✓ 2. The file ownership has changed.

     ✗ 3. The file has no extension.

     ✗ 4. You are renaming from the Recycle Bin.

Q.36 A, B, C, D, E, F, and G are sitting around a circular table facing the centre.
B sits third to the left of F. C sits second to the left of D. Only F sits between A and C. G is not an immediate neighbour of B.
How many people sit between A and D when counted from the left of D?

Ans   ✗ 1. One

     ✗ 2. Four

     ✗ 3. Two

     ✓ 4. Three

Q.37 What will come in place of the question mark (?) in the following equation if '÷' and '−' are interchanged and '×' and '+' are interchanged?

612 ÷ 45 + 13 × 936 − 78 = ?

Ans   ✗ 1. 15

     ✗ 2. 112

     ✓ 3. 39

     ✗ 4. 106

Q.38 When appointing judges to the Supreme Court, the President must consult which of the following?

Ans   ✗ 1. The Union Public Service Commission

     ✓ 2. The Chief Justice of India

     ✗ 3. The Law Minister exclusively

     ✗ 4. The Prime Minister only

Q.39 If 425 bananas were distributed among three monkeys in the ratio $\frac{8}{3}$:

how many bananas did the third monkey get?

Ans ✗ 1. 119

✓ 2. 120

✗ 3. 121

✗ 4. 118

Q.40 What is the keyboard shortcut to remove paragraph indentation in MS Word 365?

Ans ✗ 1. Ctrl + Tab

✗ 2. Ctrl + Shift + I

✓ 3. Ctrl + Shift + M

✗ 4. Ctrl + M

Q.41 Seven boxes, D, E, F, G, S, T and U, are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between T and G. Only three boxes are kept between T and S. S is kept at some place above G. E is kept immediately below S. F is kept at one of the places above D. U is not kept immediately above or below T. Which box is kept at the lowermost position?

Ans ✗ 1. T

✗ 2. U

✗ 3. F

✓ 4. D

Q.42 Till which year has the term of Chief Economic Adviser V Anantha Nageswaran been extended?

Ans ✗ 1. March 2029

✓ 2. March 2027

✗ 3. March 2026

✗ 4. March 2028

Q.43 Which of the following statements regarding the Dharti Aaba Janjatiya Gram Utkarsh Abhiyan launched in 2024 is/are correct?
The scheme aims for the holistic development of tribal areas through 25 interventions in health, education and livelihood.
The scheme benefits only 10 states with scheduled areas, excluding other tribal areas.
It was launched by Vice President Jagdeep Dhankhar in Jharkhand on 2nd October 2024.

Ans ✗ 1. Only 2

✗ 2. 1, 2 and 3

✓ 3. Only 1

✗ 4. Only 1 and 3

Q.44 Simplify the following:

$$\left(\frac{2}{9}\right) \times \left(\frac{27}{10}\right) + \left(\frac{6}{5} - 5\right)$$

Ans

✓ 1. $-\dfrac{16}{5}$

✗ 2. $-\dfrac{7}{9}$

✗ 3. $-\dfrac{17}{4}$

✗ 4. $-\dfrac{9}{8}$

Q.45 Refer to the following number and symbol series and answer the question that follows.
Counting to be done from left to right only.
(NOTE: All numbers are single digit numbers only.)

(Left) 7 € 2 5 3 © 8 © 4 € 9 3 € 5 # % * 3 4 7 $ 1 (Right)

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

Ans ✗ 1. 8

✓ 2. 6

✗ 3. 7

✗ 4. 5

Q.46 What should come in place of the question mark (?) in the given series?

512 520 510 522 ? 524 506

Ans ✗ 1. 521

✗ 2. 505

✓ 3. 508

✗ 4. 520

Q.47 A group of numbers and symbols is coded using letter codes as per the codes given below and the conditions that follow. Study the given codes and conditions and answer the question that follows.

Note: If none of the conditions apply, then codes for the respective number/symbol are to be followed directly as given in the table.

Number/symbol	5	2	3	4	$	&	6	@	#	%	+	8	9	7
Code	A	D	F	G	H	J	K	L	Z	X	C	V	B	M

Conditions:
If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.
If the first element is an odd number and the last an even number, the first and last elements are to be coded as ©.
If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.
What will be the code for the following group?

3 4 9 7

Ans ✗ 1. FGBM

✗ 2. FBBM

✓ 3. FGGM

✗ 4. MGBF

Q.48 A train is 1495 m and it crosses a platform in 2.8 minutes running at the speed of 54 km/hr. Find the difference between the length of the train and the platform.

Ans   ✗ 1. 472 m

  ✓ 2. 470 m

  ✗ 3. 461 m

  ✗ 4. 467 m

Q.49 Each of P, Q, R, S, T, U and V has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. R has an exam on Thursday. Exactly 4 people have their exam between U and T, neither of whom has an exam on Sunday. S has an exam immediately before Q. P does not have an exam on Friday. U does not have an exam after Q. How many people have an exam after Q?

Ans   ✗ 1. 1

  ✗ 2. 2

  ✓ 3. 4

  ✗ 4. 3

Q.50 Which Article of the Constitution of India mentions the Fundamental Duty of defending the country and rendering national service when called upon to do so?

Ans   ✗ 1. Article 51A (e)

  ✓ 2. Article 51A (d)

  ✗ 3. Article 51A (c)

  ✗ 4. Article 51A (a)

Q.51 Harit starts from Point Y and drives 47 km towards the east. He then takes a right turn, drives 23 km, turns right and drives 26 km. He then takes a right turn and drives 52 km. He takes a left turn, drives 21 km. He then turns left, drives 11 km to stop 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. 20 km towards the south

  ✗ 2. 24 km towards the east

  ✗ 3. 19 km towards the north

  ✓ 4. 18 km towards the south

Q.52 What major event did The Washington Post cover to win the 2025 Pulitzer for Breaking News Reporting?

Ans   ✗ 1. Texas school shooting

  ✓ 2. Donald Trump assassination attempt

  ✗ 3. Sudanese civil war

  ✗ 4. Russian invasion of Ukraine

Q.53

Simplify: $\left[(24 \times 6) \times \left\{ 2 \div 2 \times \left(18 - \frac{12}{2} \right) \right\} \right]$

Ans   ✗ 1. 432

  ✗ 2. 1435

  ✓ 3. 1728

  ✗ 4. 872

Q.54 Which of the following is the war dance of the Nagas?

Ans   ✓ 1. Rangma

  ✗ 2. Danda-Jatra

  ✗ 3. Thang Ta

  ✗ 4. Alkap

Q.55 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

: KSB :: NVE : %

Ans   ✓ 1. # = FNW, % = SAJ

    ✗ 2. # = FUW, % = SAJ

    ✗ 3. # = FNW, % = SUY

    ✗ 4. # = FNW, % = SAI

Q.56 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 protein are carbs.
Some protein are vitamin.
Some carbs are sugar.

Conclusions:
(I) Some protein are sugar.
(II) Some carbs are vitamin.

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.57 What is the expected investment target under the Tamil Nadu Space Industrial Policy 2025?

Ans   ✗ 1. ₹20,000 crore

    ✓ 2. ₹10,000 crore

    ✗ 3. ₹5,000 crore

    ✗ 4. ₹15,000 crore

Q.58 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 7418536, how many digits will appear more than once in the new number thus formed?

Ans   ✗ 1. None

    ✗ 2. One

    ✓ 3. Three

    ✗ 4. Two

Q.59 Three numbers are in the ratio 1 : 11 : 19, and their LCM is 8778. Their HCF is _____.

Ans   ✗ 1. 36

    ✗ 2. 54

    ✓ 3. 42

    ✗ 4. 50

Q.60 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

: QSO :: XZV : %

Ans   ✗ 1. # = TUR, % = UET

    ✗ 2. # = SFR, % = POS

    ✗ 3. # = SVR, % = UWU

    ✓ 4. # = TVR, % = UWS

Q.61 Which of the following banking facilities is/are operated by National Payments Corporation of India?

1. National Electronic Funds Transfer (NEFT)
2. Aadhaar Enabled Payment System
3. UPI Lite

Ans ✗ 1. Only 1 and 3

✗ 2. 1, 2 and 3

✗ 3. Only 1 and 2

✔ 4. Only 2 and 3

Q.62 If a + b = 50, and a − b = 42, find the value of $a^2 + b^2$.

Ans ✗ 1. 2503

✔ 2. 2132

✗ 3. 2500

✗ 4. 2578

Q.63 The roots of the quadratic equation $3x^2 − 7x + 1 = 0$ are:

Ans

✗ 1. $\dfrac{(-7 + \sqrt{37})}{3}$ & $\dfrac{(-7 - \sqrt{37})}{3}$

✔ 2. $\dfrac{(7 + \sqrt{37})}{6}$ & $\dfrac{(7 - \sqrt{37})}{6}$

✗ 3. $\dfrac{(7 + \sqrt{37})}{1.5}$ & $\dfrac{(7 - \sqrt{37})}{1.5}$

✗ 4. $\dfrac{(-7 + \sqrt{37})}{3}$ & $\dfrac{(7 + \sqrt{37})}{1.5}$

Q.64 What was the purpose of the Imperial Service Scheme (1885)?

Ans ✗ 1. To educate royal families

✗ 2. To facilitate trade among states

✔ 3. To raise troops for British defence, paid by princely states

✗ 4. To abolish princely privileges

Q.65 According to Airports Authority of India, which Indian airport was the busiest in terms of passenger traffic in Financial Year 2023-2024?

Ans ✔ 1. Indira Gandhi International Airport, Delhi

✗ 2. Rajiv Gandhi International Airport, Hyderabad

✗ 3. Chhatrapati Shivaji Maharaj International Airport, Mumbai

✗ 4. Kempegowda International Airport, Bengaluru

Q.66 Deficiency of which nutrient is most directly linked to reduced oxygen-carrying capacity of blood?

Ans ✗ 1. Vitamin A

✗ 2. Calcium

✔ 3. Iron

✗ 4. Iodine

Q.67 Which region was merged in 1948 to form the initial territory of Himachal Pradesh?

Ans ✅ 1. Shimla Hill States

❌ 2. Rajputana

❌ 3. Patiala and East Punjab States Union

❌ 4. Chhattisgarh

Q.68 Find the effective price percentage of the marked price after three consecutive discounts of 18%, 24% and 18%. (Rounded up to two decimal places.)

Ans ❌ 1. 53.54%

✅ 2. 51.10%

❌ 3. 54.41%

❌ 4. 48.56%

Q.69 Which Indian state had the highest Human Development Index (HDI) in 2017?

Ans ❌ 1. Tamil Nadu

❌ 2. Maharashtra

✅ 3. Kerala

❌ 4. Gujarat

Q.70 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of :: ?

 # : LNR :: MOS : %

Ans ❌ 1. # = GIM , % = STX

❌ 2. # = HIM , % = RTX

❌ 3. # = GIM , % = RTY

✅ 4. # = GIM , % = RTX

Q.71 Foreign Direct Investment (FDI) is a key aspect of globalisation. What is a major benefit of FDI for developing countries like India?

Ans ❌ 1. Trade deficits

❌ 2. Currency depreciation

✅ 3. Access to technology and employment

❌ 4. Increase in taxation

Q.72 What is the name of the team that lost to Rajnigandha Achievers in the Aditya Birla Memorial Polo final Cup 2025?

Ans ❌ 1. Aditya Birla Group

❌ 2. Rajnigandha Polo Team

✅ 3. Jindal Panther

❌ 4. New Delhi Polo Team

Q.73 What is the dual role of the highest judicial officer in a district?

Ans ❌ 1. Chief Judicial Magistrate for civil cases and Munsiff for criminal cases

❌ 2. Subordinate Judge for civil cases and Metropolitan Magistrate for criminal cases

❌ 3. Nyaya Panchayat head for civil cases and Gram Kutchery head for criminal cases

✅ 4. District Judge for civil cases and Sessions Judge for criminal cases

Q.74 Find the area of the sector when the radius of the circle is 16.2 units and the length of the arc is 5 units.

Ans
✗ 1. 46.5 units^2

✓ 2. 40.5 units^2

✗ 3. 44.5 units^2

✗ 4. 42.5 units^2

Q.75 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.)
(15, 18.2, 21.4)
(19, 22.2, 25.4)

Ans
✗ 1. (28, 30.2, 32.4)

✓ 2. (24, 27.2, 30.4)

✗ 3. (43, 46.2, 48.4)

✗ 4. (36, 39.2, 41.4)

Q.76 The curved surface area of a cylinder is half of its total surface area. If its height is 10 cm, then find the volume of the cylinder (in cm^3).

Ans
✗ 1. 993π

✗ 2. 1005π

✓ 3. 1000π

✗ 4. 992π

Q.77 According to the Regulating Act 1773, which of the following options is INCORRECT about the powers and responsibilities of the Governor General?

Ans
✗ 1. Powered to superintendent the presidencies of Madras and Bombay in war and peace

✗ 2. Can make rules and regulations for the civil government of Fort William

✓ 3. Can override the decision of his council

✗ 4. Can control the presidencies of Madras and Bombay in war and peace

Q.78 A shopkeeper sold a book for ₹225 at a loss of 10%. At what price (in ₹) should he have to sell it to gain 24% on it?

Ans
✓ 1. 310

✗ 2. 311

✗ 3. 308

✗ 4. 307

Q.79 What is the mascot of Expo 2025 in Osaka?

Ans
✗ 1. Kiko-Kiko

✓ 2. Myaku-Myaku

✗ 3. Sora-Sora

✗ 4. Mira-Mira

Q.80 Which of the following options is a final good in the context of Indian economy?

Ans
✗ 1. Sugar

✓ 2. Biscuits

✗ 3. Wheat

✗ 4. Flour

Q.81 What is the primary purpose of defining a 'Named Range' in MS Excel?

Ans ✗ 1. To encrypt the data within a selected range of cells

✗ 2. To create a visual chart or graph from the selected data

✗ 3. To apply specific formatting to a group of cells

✓ 4. To refer to a cell or range of cells using a more descriptive and easier-to-understand name in formulas

Q.82 A, B, C, D, R, S and T are sitting around a circular table facing the centre of the table. Only one person sits between D and T when counted from the left of T. S sits third to the right of R. C sits third to the left of A. S sits to the immediate right of C. B is not an immediate neighbour of C. How many people sit between B and T when counted from the right of B?

Ans ✗ 1. Four

✗ 2. One

✗ 3. Two

✓ 4. Three

Q.83 A sum, when invested at 20% simple interest per annum, amounts to ₹8,640 after 3 years. What is the simple interest (in ₹) on the same sum at the same rate in 2 years?

Ans ✗ 1. 8,640

✗ 2. 1,080

✗ 3. 4,320

✓ 4. 2,160

Q.84 Find the volume (in cm³) of a sphere having a diameter of 4.2 cm, giving your answer correct to two places of decimal.

$$\text{Take } \pi = \frac{22}{7}$$

Ans ✗ 1. 188.8

✗ 2. 168.8

✗ 3. 18.8

✓ 4. 38.8

Q.85 The mode of the observations 35, 27, 27, 32, 25, 24, 27, 24, 32, 20, 31, 21, 29, 22, 27, 20 and 26 is:

Ans ✗ 1. 32

✓ 2. 27

✗ 3. 35

✗ 4. 25

Q.86 Which of the following statements is NOT correct with reference to the main group elements?

Ans ✓ 1. Their reactivity does not follow any periodic trend.

✗ 2. They are also called representative elements.

✗ 3. They include both s-block and p-block elements.

✗ 4. Their valence shell configurations help predict chemical behaviour.

Q.87 What is the dominant soil type in the Great Plains of India?

Ans ✗ 1. Black cotton soil

✓ 2. Alluvial soil

✗ 3. Laterite soil

✗ 4. Red soil

Q.88 What should come in place of the question mark (?) in the given series?

428, 405, 372, ?, 276, 213

Ans ✗ 1. 319

  ✓ 2. 329

  ✗ 3. 229

  ✗ 4. 339

Q.89 Which of the following statements is true regarding ASCII, LAN, and CD in computer terminology?

Ans ✗ 1. CD is a rewritable magnetic storage medium.

  ✗ 2. ASCII is used for formatting disks in a LAN network.

  ✗ 3. LAN refers to a wide geographical network like the internet.

  ✓ 4. ASCII represents characters using numeric codes in binary.

Q.90 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

QK15 OI26 MG37 KE48 ?

Ans ✓ 1. IC59

  ✗ 2. IC58

  ✗ 3. ID59

  ✗ 4. ID58

Q.91 Which of the following states is famous for its ingenious water conservation methods, 'taanka' or 'kunds'?

Ans ✗ 1. Karnataka

  ✗ 2. Uttar Pradesh

  ✗ 3. Madhya Pradesh

  ✓ 4. Rajasthan

Q.92 This question is based on the five, three-digit numbers given below.

(Left) 617 335 930 459 571 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)
(Note: All operations to be done from left to right.)

What will be the resultant if the first digit of the highest number is added to the third digit of the lowest number?

Ans ✗ 1. 15

  ✓ 2. 14

  ✗ 3. 17

  ✗ 4. 13

Q.93 As per the Union Budget 2025-26, the start-up incorporation deadline was extended for how many years to avail tax benefits?

Ans ✓ 1. 5

  ✗ 2. 6

  ✗ 3. 4

  ✗ 4. 7

Q.94
If $\sin B = \dfrac{\sqrt{3}}{2}$, then find the value of $(\sqrt{3}\cos B - 4)$

Ans   ✗ 1. $\sqrt{3}$

     ✗ 2. 2

     ✗ 3. 3

     ✓ 4. 0

Q.95 A group of people consists of men, women and children. Among them, 20% are men, 30% are women and the rest are children, and their average weights are 50 kg, 40 kg and 40 kg, respectively. The average weight of the group (in kg) is:

Ans   ✗ 1. 38

     ✗ 2. 39

     ✓ 3. 42

     ✗ 4. 37

Q.96 Kanpur, a city in the Indian state of Uttar Pradesh, is an example of which type of town?

Ans   ✓ 1. Industrial Town

     ✗ 2. Transfer and Distribution Town

     ✗ 3. Recreational Town

     ✗ 4. Administrative Town

Q.97 In a certain code language, 'JAIL' is coded as '3457' and 'ARCS' is coded as '1265'. What is the code for 'A' in the given code language?

Ans   ✗ 1. 4

     ✗ 2. 1

     ✗ 3. 6

     ✓ 4. 5

Q.98 Which of the following statements is/are correct with reference to the Supreme Court judgement in 'The State Of Tamil Nadu vs The Governor Of Tamil Nadu' on 8 April 2025?
The Supreme Court held that the Governor cannot withhold assent after a bill is re-passed by the legislature.
The Court used its powers under Article 142 to deem 10 pending Bills as having received assent.
The judgement laid down that the Governor may reserve a re-enacted Bill for Presidential consideration.

Ans   ✗ 1. 1, 2 and 3

     ✗ 2. Only 2

     ✓ 3. Only 1 and 2

     ✗ 4. Only 1 and 3

Q.99 A person who spends 52% of his monthly income is able to save ₹7,740 per month. His monthly expenses (in ₹) are:

Ans   ✗ 1. 8,348

     ✗ 2. 8,460

     ✓ 3. 8,385

     ✗ 4. 8,344

Q.100 The fourth proportion to 7, 5 and 14 is the same as the third proportion to A and 10. What is the value of A?

Ans   ✗ 1. 8

     ✗ 2. 13

     ✗ 3. 11

     ✓ 4. 10