



रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD

सी ई एन - 06/2025 - CEN - 06/2025

एनटीपीसी (स्नातक स्तर) की भर्ती / Recruitment of NTPC Graduate Level



Test Date	17/03/2026
Test Time	12:45 PM - 2:15 PM
Subject	RRB NTPC GRADUATE CBT 1

* 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 CBT 1

Q.1 A, B and C together can complete a certain work in 54 days. B and C together can complete the same work in 56 days. B is 75% more efficient than A. A, B and C work together for 52 days. B alone will complete the remaining work in:

Ans A) 30 days B) 34 days C) 27 days D) 32 days

Correct Answer: D

Q.2 What should come in place of '?' in the given series?

55 53 50 45 38 ?

Ans A) 31 B) 29 C) 27 D) 33

Correct Answer: C

Q.3 Wheat is mainly a crop of which season in India?

Ans A) Zaid B) Kharif C) Rabi D) Pre-monsoon

Correct Answer: C

Q.4 Simplify $\sqrt[3]{0.216} + \sqrt[3]{0.001} - \sqrt[3]{0.008}$.

Ans A) 0.2 B) 0.5 C) 0.6 D) 0.4

Correct Answer: B

Q.5 Raising an object from the ground results in the storage of which type of energy?

Ans A) Electrical energy B) Heat energy C) Potential energy D) Kinetic energy

Correct Answer: C

Q.6 If x and y are two values such that their difference (x - y) is 5 and product (xy) is 21, then the value of $x^2 + y^2 + xy$ is:

Ans A) 130 B) 180 C) 440 D) 88

Correct Answer: D

Q.7 Which cell organelle is responsible for maintaining cell shape and providing structural support?

Ans A) Peroxisome B) Cytoskeleton C) Nucleus D) Golgi apparatus

Correct Answer: B

Q.8 Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept between D and B. Only E is kept above G. No box is kept below B. A is kept at some place below C but at some place above F. How many boxes are kept between B and G?

Ans A) 2 B) 1 C) 3 D) 4

Correct Answer: D

Q.9 In which of the following Articles of the Constitution of India is it stated that Union Territories are to be administered by the President, who may appoint an administrator to oversee them?

Ans A) Article 241 B) Article 239 C) Article 242 D) Article 240

Correct Answer: B

Q.10 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 its 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)
18, 73
23, 93

Ans A) 25, 104 B) 26, 104 C) 26, 105 D) 25, 105

Correct Answer: C

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

$$316 - 2 \div 37 + 436 \times 4 = ?$$

Ans A) 590 B) 540 C) 520 D) 560

Correct Answer: D

Q.12 Which of the following is NOT correctly matched with respect to the Directive Principles of State Policy?

Ans A) Article 40 - Organisation of village panchayats B) Article 39A - Equal justice and free legal aid
C) Article 43A - Participation of workers in management of industries
D) Article 41 - Provision for just and humane conditions of work and maternity relief

Correct Answer: D

Q.13 Article 25 of the Indian Constitution primarily guarantees which of the following rights?

Ans A) Right to equality before law B) Cultural and educational rights C) Freedom of religion D) Right to constitutional remedies

Correct Answer: C

Q.14 Seven boxes P, A, R, E, N, T and S are kept one over the other but not necessarily in the same order. Only two boxes are kept between A and S. Only E is kept below N. Only R is kept above A. T is not kept immediately above S. How many boxes are kept between P and E?

Ans A) Three B) Zero C) Two D) One

Correct Answer: C

Q.15 What is the maximum value that must be assigned to A so that the 8-digit number 718A5104 is divisible by 4?

Ans A) 4 B) 6 C) 9 D) 5

Correct Answer: C

Q.16 Which of the following individuals was awarded the Nobel Peace Prize 2025 for persistent efforts in promoting democratic rights in Venezuela and striving for a just and peaceful transition from dictatorship to democracy?

Ans A) Delcy Rodríguez B) Maria Corina Machado C) Juan Guaidó D) Mary E. Brunkow

Correct Answer: B

Q.17 Which of the following industrial financing institutions in India was formed in 1990?

Ans A) Small Industries Development Bank of India (SIDBI) B) Industrial Finance Corporation of India (IFCI)
C) Industrial Development Bank of India (IDBI) D) Industrial Credit and Investment Corporation of India (ICICI)

Correct Answer: A

Q.18 Which states suffered 30-70% below-normal rainfall in August 2025, contributing to crop stress and water shortages?

Ans A) Rajasthan, Haryana, Sikkim, Assam, Manipur, and Tripura B) Odisha, Madhya Pradesh, Chhattisgarh, Telangana, and Andhra Pradesh
C) Ladakh, Arunachal Pradesh, Bihar, UP, Punjab, and the Northeast D) Kerala, Tamil Nadu, Karnataka, Maharashtra, Goa, and Gujarat

Correct Answer: C

Q.19 In a certain code language, 'repair the mobile' is coded as 'gf ed ls' and 'mobile is lost' is coded as 'sq gf tf'. How is 'mobile' coded in that language?

Ans A) ed B) sq C) ls D) gf

Correct Answer: D

Q.20 In a certain code language, 'MILE' is coded as '9574' and 'TIME' is coded as '5429'. What is the code for 'T' in the given code language?

Ans A) 4 B) 5 C) 2 D) 9

Correct Answer: C

Q.21 The concept of sustainable development became popular after which report (1987)?

Ans A) Rio Report B) Earth Report C) Brundtland Report D) Kyoto Report

Correct Answer: C

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

(Left) K C © C V € @ € # U © & Y £ © I \$ N W # & Q (Right)

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

Ans A) 5 B) 6 C) 4 D) 3

Correct Answer: C

Q.23 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Five parcels – Alpha, Bravo, Cargo, Delta, and Echo – have different weights.

Which parcel is the lightest?

(I) Bravo is heavier than Alpha but lighter than Cargo.

(II) Delta is heavier than Bravo but lighter than Echo.

Ans A) Data in Statement II alone is sufficient to answer the question while data in Statement I is not
B) Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
C) Data in Statement I alone is sufficient to answer the question while data in Statement II is not
D) Both statements I and II together are NOT sufficient to answer the question

Correct Answer: B

Q.24 Water flows out through a circular pipe, whose internal diameter is 2 cm, at the rate of 5 metres per second into a cylindrical tank, the radius of whose base is 100 cm. By how much will the level of water rise in 13 minutes?

Ans A) 30 cm B) 31 cm C) 40 cm D) 39 cm

Correct Answer: D

Q.25 If $\sin A = \frac{\sqrt{3}}{7}$, and A is an acute angle, then find the value of $\sqrt{23} \sec A \operatorname{cosec} A$.

Ans A) $\frac{14\sqrt{3}}{45}$ B) $\frac{14\sqrt{46}}{3}$ C) $\frac{7\sqrt{3}}{4}$ D) $\frac{49\sqrt{6}}{6}$

Correct Answer: D

Q.26 Seven people F, G, H, I, V, W, and X are sitting around a circular table facing the centre of the table. G sits second to the left of X. V sits third to the left of G. Only two people sit between H and I when counted from the right of I. F is an immediate neighbour of H. Who sits fourth to the right of W?

Ans A) V B) X C) H D) F

Correct Answer: D

Q.27 In an election between two candidates, a candidate got 38% of the total votes and lost the election by 28,800 votes. What is the total number of voters?

Ans A) 122,800 B) 122,000 C) 120,000 D) 124,000

Correct Answer: C

Q.28 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only

(Left) B T # A M @ * * # € © * C H # N £ H Q £ T O (Right)

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

Ans A) 4 B) 6 C) 3 D) 5

Correct Answer: A

Q.29 Why was the Ghadar Party's revolutionary attempt during World War I largely unsuccessful?

Ans A) Lack of support from international allies B) Strong opposition from the Indian National Congress
C) Public apathy towards armed revolution D) Interception by British intelligence and internal betrayal

Correct Answer: C

Q.30 Select the triad which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.
DASH-ASHD-SHDA
GAME-AMEG-MEGA

Ans A) IRON-RONI-ONRI B) BALD-ALDB-LDBA C) FADE-EDAF-DAEF D) JAIL-LJAI-ILJA

Correct Answer: B

Q.31 On 27 August 2025, which index reported that global consumer confidence remained unchanged for the second consecutive month, remaining stable at -0.1 points?

Ans A) UNDP Human Development Index Score B) J.P.Morgan Global PMI Composite Index C) Ipsos Global Consumer Confidence Index
D) World Bank Global Findex Database

Correct Answer: C

Q.32 What is the principal destructive force of tropical cyclones on coastlines?

Ans A) Continuous rainfall B) High temperature C) Storm surge D) Low atmospheric pressure

Correct Answer: C

Q.33 Why do large cities tend to have a higher proportion of tertiary activities in India?

Ans A) Due to lack of primary resources B) Because of fertile land C) Due to agglomeration and services demand
D) Because of mining operations

Correct Answer: C

Q.34 Seven boxes A, C, G, H, J, N and R are kept one over the other but not necessarily in the same order.
Only three boxes are kept above N. Only one box is kept between H and N. Only three boxes are kept between H and A. A is kept at some place above N. R is kept immediately below A. C is kept at one of the places above G. J is not kept immediately above or below H.
How many boxes are kept above H?

Ans A) 4 B) 2 C) 3 D) 5

Correct Answer: D

Q.35 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 is the letter-cluster 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) MQO B) SWU C) CHE D) ZDB

Correct Answer: C

Q.36 Which of the following statements with respect to operation twist is/are correct?

1. Operation Twist is a monetary policy of the central banks used to bring down interest rates and control investments in a country.
2. Under this operation, the RBI twisted the yield of government securities to bring liquidity into the markets.
3. This is done by simultaneously buying and selling government securities—both short-term and long-term—through Open Market Operations (OMOs).

Select the correct answer using the codes given below.

Ans A) 1, 2 and 3 B) 2 and 3 only C) 1 and 2 only D) 1 and 3 only

Correct Answer: A

Q.37 A shopkeeper purchased 42 dozens of articles at the rate of ₹630 per dozen. He sold each one of them at the rate of ₹63. What percentage profit did he make?

Ans A) 21% B) 23% C) 20% D) 17%

Correct Answer: C

Q.38 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) CG-FJ B) WA-ZD C) YC-BE D) AE-DH

Correct Answer: C

Q.39 Who among the following is famous for composing kritis known for their contemplative nature and emphasis on capturing the essence of the raga through a slow, richly ornamented style?

Ans A) Ramanuja Srinivasani B) Thyagaraja Iyengar C) Kumarswami Kutti D) Mutthuswami Dikshitar

Correct Answer: D

Q.40 Raghav earns a monthly salary of ₹24,000. He spends ₹7,500 on house rent and ₹3,500 on food and utility bills every month. The remaining amount is his monthly savings. In the month of his birthday, he spends his entire monthly saving on celebrations. Find Raghav's total savings in a year (in ₹).

Ans A) 1,45,000 B) 1,36,000 C) 1,43,000 D) 1,38,000

Correct Answer: C

Q.41 Find the mean of the given data (correct to two places of decimal).

Class interval	0-8	8-16	16-24	24-32	32-40	40-48
Frequenc y	2	4	7	5	3	6

Ans A) 21.56 B) 24.38 C) 29.29 D) 26.22

Correct Answer: D

Q.42 What is the purpose of the Punnett square in genetics?

Ans A) Determining the phenotype of an individual B) Predicting the outcomes of genetic crosses
C) Identifying the location of a gene on a chromosome D) Analysing DNA replication

Correct Answer: B

Q.43 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8134576, which of the following digits will be second from the left in the new number thus formed?

Ans A) 2 B) 6 C) 8 D) 4

Correct Answer: A

Q.44 Anirudh travels 48 km at 12 km/h, 52 km at 13 km/h, and 120 km at 15 km/h. What is his average speed (in km/h)?

Ans A) 13.75 B) 12.5 C) 14.5 D) 15

Correct Answer: A

Q.45 108 is related to 12 following a certain logic. Following the same logic, 234 is related to 26. To which of the following is 198 related, following the same logic?

(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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans A) 28 B) 18 C) 34 D) 22

Correct Answer: D

Q.46 In a certain code language,
A + B means 'A is the mother of B'
A – B means 'A is the brother of B'
A x B means 'A is the wife 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 T related to G if 'G # N # V + K # T'?

Ans A) Sister's daughter B) Mother's father C) Daughter's daughter D) Mother's sister

Correct Answer: B

Q.47 Which of the following monsoon systems is also known as the retreating monsoon?

Ans A) Advancing Monsoon B) Western Disturbances C) Southwest Monsoon D) Northeast Monsoon

Correct Answer: D

Q.48 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 statement.

Statements:

All liquid is water. All water is juice. Some juices are syrup.

Conclusions:

(I) All liquid is juice.

(II) Some syrups are liquid.

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

Correct Answer: C

Q.49 A shopkeeper professes to sell his goods at a 55% loss but uses a false balance and gains 75%. The actual weight (rounded off to one decimal place) he uses for 1 kg is:	Ans A) 253.1 gm	B) 260.7 gm	C) 257.1 gm	D) 258.4 gm	Correct Answer: C
Q.50 Which of the following is the largest solar park in India as of 2025?	Ans A) Rewa Solar Park	B) Kurnool Ultra Mega Solar Park	C) Pavagada Solar Park	D) Bhadla Solar Park	Correct Answer: D
Q.51 Majnu Shah is associated with which of the following rebellions?	Ans A) Santhal Rebellion	B) Indigo Revolt	C) Fakir–Sannyasi Rebellion	D) Kol Rebellion	Correct Answer: C
Q.52 Three friends X, Y and Z started a business by investing a sum of money in the ratio of 5 : 3 : 7. After 6 months, X withdraws half of his capital. If the sum invested by Z is ₹14,000, then out of a total annual profit of ₹55,000, what is the difference between X's and Y's profit?	Ans A) ₹1910	B) ₹4465	C) ₹3000	D) ₹3440	Correct Answer: C
Q.53 Ishan has ₹1407 with him. He divides this amount between his two sons, Krish and Veer, and asks them to invest their respective shares at a compound interest rate of 10% per annum, compounded annually. It is observed that Krish's investment amounts to the same value after 13 years as Veer's investment does after 14 years. How much (in ₹) did Ishan give to Veer?	Ans A) 737	B) 520	C) 670	D) 837	Correct Answer: C
Q.54 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 :: ? # : KUC :: VFN : %	Ans A) # = DNV % = CMU	B) # = DNV % = CMP	C) # = DUV % = CMU	D) # = DNV % = CNU	Correct Answer: A
Q.55 On the Eve of the 79th Independence Day in 2025, the Indian government unveiled which AI-powered tool to automatically generate structured minutes of meetings (MoMs) from Gram Sabha or other Panchayat meetings' audio/video recordings?	Ans A) GramSattva	B) SabhaSaar	C) SabhaSadan	D) GramVivaran	Correct Answer: B
Q.56 The Harappan civilisation primarily sourced its copper from which region?	Ans A) Karnataka	B) Rajasthan	C) Tamil Nadu	D) Madhya Pradesh	Correct Answer: B
Q.57 Who was awarded the Player of the Match in the ICC Women's ODI World Cup final in 2025?	Ans A) Harmanpreet Kaur	B) Shafali Verma	C) Deepti Sharma	D) Smriti Mandhana	Correct Answer: B
Q.58 Which country led the Talisman Sabre, 2025, military exercise in which India participated?	Ans A) Canada	B) Russia	C) Australia	D) United Kingdom	Correct Answer: C
Q.59 Lg is the daughter of Dv. Jq is the daughter of Qb. Pd is the wife of Dv. Qb is the brother of Lg. How is Jq related to Dv?	Ans A) Daughter's daughter	B) Son's wife	C) Father's father	D) Son's daughter	Correct Answer: D
Q.60 Select the INCORRECT combination of the books and their respective authors.	Ans A) Prithviraj Raso – Chand Bardai	B) Tughlaq Nama – Abul Fazal	C) Gita Govinda – Jayadeva Goswami	D) Baburnama – Babur	Correct Answer: B
Q.61 The power to issue writs for the enforcement of Fundamental Rights is vested in_____ .	Ans A) Lok Adalat and High Courts	B) District Court and High Courts	C) Session court and High Courts	D) Supreme Court and High Courts	Correct Answer: D
Q.62 The Pradhan Mantri Matsya Sampada Yojana (PMMSY) was launched in which year?	Ans A) 2020	B) 2022	C) 2016	D) 2018	Correct Answer: A

Q.63 Evaluate: $(-9) - (-56) \div (-14) + (-2) \times 8$

Ans A) -31

B) -28

C) -32

D) -29

Correct Answer: D

Q.64 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 ::?

: CGW :: LDM : %

Ans A) # = BET, % = MFP

B) # = AET, % = MFO

C) # = ADS, % = NEO

D) # = BDT, % = MEP

Correct Answer: A

Q.65 What is the primary material used in the 8th-century CE Kailasanatha Temple at Kanchipuram?

Ans A) Sandstone

B) Marble

C) Brick

D) Granite

Correct Answer: A

Q.66 Which of the following technological advances enabled the cultivation of heavier, wetter soils in the early Iron Age?

Ans A) Stone microliths and scrapers

B) Copper sickles and knives

C) Bronze chisels and spades

D) Iron ploughshares and axes

Correct Answer: D

Q.67 Match the following Folk Songs with their Origin States.

Folk Song Origin State

1. Panihari a. West Bengal

2. Khongjom Parba b. Rajasthan

3. Wanawan c. Jammu and Kashmir

4. Baul d. Manipur

Ans A) 1-c, 2-d, 3-b, 4-a

B) 1-b, 2-d, 3-c, 4-a

C) 1-a, 2-d, 3-b, 4-c

D) 1-d, 2-a, 3-c, 4-b

Correct Answer: B

Q.68 Boyle's law describes the relationship between _____.

Ans A) Energy And Volume

B) Volume And Temperature

C) Pressure And Temperature

D) Volume And Pressure

Correct Answer: D

Q.69 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

8 – 64 – 84 – 252; 12 – 144 – 164 – 492

Ans A) 9 – 81 – 121 – 423

B) 14 – 256 – 456 – 969

C) 4 – 16 – 46 – 153

D) 5 – 25 – 45 – 135

Correct Answer: D

Q.70 At what rate (in percentage, rounded off to two decimal place) per year will a sum of money double itself in 15 years on simple interest?

Ans A) 13.34

B) 6.67

C) 4.67

D) 8.67

Correct Answer: B

Q.71 What should come in place of '?' in the given series?

98 100 103 108 115 ?

Ans A) 128

B) 126

C) 125

D) 127

Correct Answer: B

Q.72 A motorboat has a speed of 25 km/h in still water. It takes 4 hours to cover a distance of 80 km upstream. Find the total time required by the boat to travel the same distance upstream and then return downstream.

Ans A) 5 hours 30 minutes

B) 6 hours 40 minutes

C) 6 hours 20 minutes

D) 5 hours 42 minutes

Correct Answer: B

Q.73 In December 2025, the PNGRB tariff revamp was expected to cut city gas distribution (CGD) transport costs by how much (in ₹) annually?

Ans A) 500 crore

B) 2,000 crore

C) 1,000 crore

D) 750 crore

Correct Answer: C

Q.74 A printer receives information from the computer and produces a hard copy on paper. This behavior makes the printer a/an/the:

- Ans A) Input device B) Output device C) Network device D) Primary memory

Correct Answer: B

Q.75 Which action attracts disqualification of an independent MP under the Anti-Defection Law introduced by the 52nd Constitutional Amendment Act, 1985?

- Ans A) Supporting a coalition government B) Joining any political party after their election C) Voting differently from party whip
D) Remaining neutral during debates

Correct Answer: B

Q.76 Which of the following statements is INCORRECT regarding the Atmiya Sabha?

- Ans A) The Atmiya Sabha was established in 1824 B) The Atmiya Sabha laid the foundation for the Brahmo Samaj
C) The Atmiya Sabha was established at Calcutta D) The Atmiya Sabha was founded by Raja Ram Mohan Roy

Correct Answer: A

Q.77 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 sand is stone. All sand is cement. Some cements are mud.

Conclusions:

(I) Some muds are sand.

(II) Some cements are stone.

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

Correct Answer: A

Q.78 Bell A rings every 18 minutes, bell B rings every 24 minutes and bell C rings every 30 minutes. They all ring together for the first time at 6:30 AM. Find the time at which the bells ring together for the third time.

- Ans A) 9:30 PM B) 3:30 PM C) 6:30 PM D) 12:30 PM

Correct Answer: C

Q.79 The sum of the squares of two consecutive odd natural numbers is 5002. The sum of the numbers is:

- Ans A) 112 B) 100 C) 96 D) 110

Correct Answer: B

Q.80 A shopkeeper fixes the marked price of an item 150% above its cost price. What percentage of discount on marked price should be allowed to gain 130%?

- Ans A) 5% B) 7% C) 10% D) 8%

Correct Answer: D

Q.81 Hemant starts from Point A and drives 22 km towards East. He then takes a right turn, drives 17 km, turns right and drives 31 km. He then takes a right turn and drives 19 km. He takes a final right turn, drives 9 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 A) 2 km to the North B) 3 km to the North C) 2 km to the South D) 3 km to the South

Correct Answer: C

Q.82 How do you search for files with partial names in Windows 11?

- Ans A) at the rate @ B) dollar \$ C) asterisk * D) ampersand &

Correct Answer: C

Q.83 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

STQ 54 NOL 61 IJG 68 DEB 75 ?

- Ans A) YZW 82 B) YAV 82 C) YDJ 81 D) YYV 81

Correct Answer: A

Q.84 There are 30 members in group A, 72 members in group B and 75 members in group C. All the members of these groups went to a restaurant. The average amounts spent on each member of groups A, B and C are ₹434, ₹324 and ₹280, respectively. The overall average amount (in ₹) spent per member is:

- Ans A) 326 B) 321 C) 324 D) 323

Correct Answer: C

Q.85 Solve the following system of equations:

$$3x - 4y = 6z - 16$$

$$-4x + y + z = -5$$

$$x = 3y + 2(z - 1)$$

Ans A) $x = 3, y = -2, z = 5$ B) $x = 3, y = -2, z = 2$ C) $x = 2, y = -2, z = 5$ D) $x = 2, y = -3, z = 5$

Correct Answer: C

Q.86 Find the mean deviation from the mean for the following data set.

58, 65, 42, 66, 49, 59, 44, 45, 62, 60

Ans A) 7 B) 8 C) 7.4 D) 7.7

Correct Answer: B

Q.87 If 15 men working 6 hours a day can complete a work in 20 days, how many days will 18 men working 5 hours a day take to complete the same work?

Ans A) 15 B) 24 C) 18 D) 20

Correct Answer: D

Q.88 Two tangents AB and AC are drawn from an external point A to a circle with centre O. If $AB = 30$ cm and $BC = 24$ cm, then find the radius of the circle (in cm, rounded off to the nearest integer).

Ans A) 11 B) 10 C) 13 D) 12

Correct Answer: C

Q.89 Refer to the following number, symbol series and answer the question. Counting to be done from left to right only. All numbers are single digit numbers only.

(Left) £ 9 2 9 £ # 4 9 8 2 9 © © 7 @ 6 8 € 7 € € # (Right)

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

Ans A) 4 B) 6 C) 5 D) 3

Correct Answer: A

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

UBE 14 IPS 28 WDG 42 KRU 56 ?

Ans A) XEG 72 B) SDH 72 C) YFI 70 D) VIF 70

Correct Answer: C

Q.91 AB is a chord of a circle with its center at P. C is a point between A and B on the minor arc AB. The tangents to the circle at points A and B intersect at an external point M. If $\angle ACB = 124^\circ$, then find the measure of $\angle AMB$.

Ans A) 72° B) 58° C) 63° D) 68°

Correct Answer: D

Q.92 A recipe calls for 3 parts of sugar for every 4 parts of flour. If a baker uses 12 cups of sugar, how many cups of flour does he need to use to maintain the same ratio?

Ans A) 16 B) 15 C) 18 D) 14

Correct Answer: A

Q.93 Major storage media, such as CDs and DVDs, use optical technology, while HDDs rely on _____ technology to store bits.

Ans A) magnetic field B) solid-state memory C) semiconductor chip D) liquid crystal

Correct Answer: A

Q.94 The average of six consecutive even numbers is 175. What is the smallest of these numbers?

Ans A) 170 B) 172 C) 166 D) 168

Correct Answer: A

Q.95 What is the volume (in cm^3) of a hemispherical cauldron with diameter 14 cm? (correct up to two decimal places)

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

Ans A) 618.67 B) 781.33 C) 718.67 D) 681.33

Correct Answer: C

Q.96 Two taps can fill a cistern in 4 hours and 37 hours respectively. A third tap can empty it in 37 hours. How long (in hours) will it take to fill one-fourth of the empty cistern, if all of them are opened together?

Ans A) 1 B) 2 C) 4 D) 3

Correct Answer: A

Q.97 Which among the following information is NOT a ground for exemption from disclosure of information under RTI Act, 2005?

- Ans A) Breach of privilege of Parliament B) Cabinet papers including records of deliberation C) Sovereignty and integrity of India
D) Public Interest

Correct Answer: D

Q.98 Which file type is most likely to be classified as a system file in Windows OS?

- Ans A) .mp3 B) .docx C) .dll D) .zip

Correct Answer: C

Q.99 A, B, C, D, E, F and G sit around a circular table, facing the centre. F sits third to the left of C. G sits second to the left of B. C is an immediate neighbour of both A and G. D sits to the immediate right of G. How many people sit between B and C when counted from the right of C?

- Ans A) 3 B) 1 C) 4 D) 2

Correct Answer: D

Q.100 In which city was the World Conference on Cultural Policies and Sustainable Development – MONDIACULT 2025 held?

- Ans A) Paris, France B) Barcelona, Spain C) Rome, Italy D) Madrid, Spain

Correct Answer: B