



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	27/03/2026
Test Time	9:00 AM - 10:30 AM
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 By selling an article at $\frac{4}{13}$ of its marked price, Hitesh incurs a loss of 30%.

If he sells it at 60% of its marked price, then the profit percentage is

Ans A) 36.5% B) 39.8% C) 36.3% D) 37.8%

Correct Answer: A

Q.2 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
XVW 26 TRS 22 PNO 18 LJK 14 ?

Ans A) HKO 9 B) HEF 9 C) HGF 10 D) HFG 10

Correct Answer: D

Q.3 This question is based on the five, three-digit numbers given below.
(Left) 235 879 584 635 159 (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 third digit of the highest number is added to the second digit of lowest number?

Ans A) 17 B) 16 C) 18 D) 14

Correct Answer: D

Q.4 Which gases act as the main greenhouse gases with rising atmospheric concentrations?

Ans A) Argon, oxygen, nitrogen B) Carbon dioxide, methane, nitrous oxide C) Hydrochlorofluorocarbons, argon, oxygen
D) Hydrofluorocarbons, oxygen, nitrogen

Correct Answer: B

Q.5 Simplify $\left(3.6 \div \frac{3}{5}\right) + \left(\frac{7}{3} \times \frac{2.4}{1.4}\right) - \left(\frac{5}{6} + \frac{14}{12}\right)$.

Ans A) 8 B) 9 C) 6 D) 7

Correct Answer: A

Q.6 The National Legal Services Authority (NALSA) was established under the:

Ans A) Legal Services Authorities Act, 1987 B) Legal Aid and Advice Act, 1972 C) Code of Criminal Procedure, 1973 D) Advocates Act, 1961

Correct Answer: A

Q.7 What administrative change characterized the political structure of post-Gupta India?

Ans A) Formation of a central bureaucracy under one emperor B) Introduction of democratic village assemblies across India
C) Rise of smaller kingdoms under hereditary rulers D) Replacement of kingship with religious councils

Correct Answer: C

Q.8 Ajay has ₹1404 with him. He divides this amount between his two sons, Prakash and Gopal, and asks them to invest their respective shares at a compound interest rate of 8% per annum, compounded annually. It is observed that Prakash's investment amounts to the same value after 18 years as Gopal's investment does after 19 years. How much (in ₹) did Ajay give to Gopal?

Ans A) 525 B) 675 C) 829 D) 729

Correct Answer: B

Q.9 Three positive integers, A, B, and C, satisfy the following conditions: $HCF(A,B) = 12$, $HCF(B,C) = 18$, $HCF(A,C) = 6$ and $LCM(A,B,C) = 1080$. If $A = 12x$, $B = 36y$, and $C = 18z$, where x, y, and z are pairwise coprime positive integers, then the minimum possible value of $A + B + C$ is:

Ans A) 222 B) 216 C) 224 D) 220

Correct Answer: A

Q.10 If a and b, $b > a$, are the roots of the equation $6x^2 + 1x - 2 = 0$, then what is the value of $(2a + 3b)$?

Ans A) $\frac{1}{8}$ B) $\frac{4}{13}$ C) $\frac{1}{6}$ D) $\frac{3}{2}$

Correct Answer: C

Q.11 The present ages of Ayushi and Anmol are in the ratio of 2 : 3 respectively. After 6 years the ratio of their ages will be 8 : 9. What is the positive difference (in years) in their present ages?

Ans A) 19 B) 11 C) 12 D) 1

Correct Answer: D

Q.12 In a country with high informal employment and low social protection coverage, which policy is likely to be the most effective in both poverty alleviation and employment formalization?

Ans A) Expand social insurance to informal sector B) Deregulate labor laws C) Targeted food subsidies D) Universal basic income

Correct Answer: A

Q.13 Refer to the following letter, number and symbol series and answer the question that follows.

(NOTE: All numbers are single-digit numbers only.)

(Left) H 2 @ Q I 3 L © £ R S 4 4 U © 9 1 W Y % 6 £ (Right)

If all the symbols are dropped from the series, which of the following will be fifth from the left?

Ans A) 3 B) R C) L D) I

Correct Answer: A

Q.14 Ms. N. Rajam, who was announced as the Padma Vibhushan awardee in the Padma Awards 2026 for her outstanding contribution to Indian art and culture, is primarily associated with which of the following musical instruments?

Ans A) Violin B) Flute C) Sitar D) Sarod

Correct Answer: A

Q.15 When was the National Rural Economic Transformation Project (NRETP) launched?

Ans A) 24th April 2019 B) 24th April 2020 C) 24th April 2021 D) 24th April 2022

Correct Answer: A

Q.16 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 53764821, what will be the product of the greatest and smallest digit in the new number thus formed?

Ans A) 16 B) 18 C) 8 D) 0

Correct Answer: C

Q.17 If an Emergency Proclamation is approved only by the Rajya Sabha while the Lok Sabha is dissolved, for how long does the Proclamation remain in force from the first sitting of the newly constituted Lok Sabha?

Ans A) 60 days B) 14 days C) 30 days D) 21 days

Correct Answer: C

Q.18 If the mean of the following data is 35, find the value of X.

Class	10-20	20-30	30-40	40-50	50-60
Frequency	49	33	24	21	X

Ans A) 48 B) 42 C) 52 D) 55

Correct Answer: D

Q.19 What should come in place of '?' in the given series?

80 55 39 30 26 ?

Ans A) 28

B) 23

C) 26

D) 25

Correct Answer: D

Q.20 Who among the following leaders founded the Indian National Association in 1876?

Ans A) Surendranath Banerjee and Ananda Mohan Bose

B) Dadabhai Naoroji and Gopal Krishna Gokhale

C) Dadabhai Naoroji and Debendranath Tagore

D) Bal Gangadhar Tilak and Bipin Chandra Pal

Correct Answer: A

Q.21 Which of the following nationalists co-founded and became the president of the Congress-Khilafat Swarajya Party, after a fall off with the Indian National Congress?

Ans A) Mukhtar Ahmed Ansari

B) Ajmal Khan

C) Motilal Nehru

D) Chittaranjan Das

Correct Answer: D

Q.22 If A's salary is 126% more than that of B, then by how much percent is B's salary less than that of A (correct to 2 decimal places)?

Ans A) 54.74%

B) 55.75%

C) 56.18%

D) 54.65%

Correct Answer: B

Q.23 Classical dancers Nalini Asthana and Kamalini Asthana received the prestigious Sangeet Natak Akademi Award for the year 2022 for their contribution to which dance form?

Ans A) Bharatanatyam

B) Odissi

C) Kathak

D) Kuchipudi

Correct Answer: C

Q.24 When a Windows computer is in Sleep mode, which common user action will typically bring the system back to an active state?

Ans A) Network time sync

B) Battery fully drained

C) BIOS update

D) Moving the mouse

Correct Answer: D

Q.25 The telegraph cable was laid across the Atlantic Ocean in 1958 for rapid communication between North America and _____.

Ans A) West Indies

B) Europe

C) South Africa

D) Latin America

Correct Answer: B

Q.26 The Right to Property was removed from Part III of the Indian Constitution and added to _____.

Ans A) Part XII

B) Part X

C) Part XIII

D) Part XI

Correct Answer: A

Q.27 Which class of vertebrates possesses cold-blooded characteristics and scaly skin?

Ans A) Reptilia

B) Mammalia

C) Aves

D) Amphibia

Correct Answer: A

Q.28 If the sum of all the external angles of a regular polygon is two-thirds of all its interior angles, then the number of sides of the polygon is equal to:

Ans A) 6

B) 7

C) 4

D) 5

Correct Answer: D

Q.29 What is the atomicity of a molecule of oxygen (O₂)?

Ans A) 1

B) 4

C) 3

D) 2

Correct Answer: D

Q.30 Right to free and compulsory education for children aged 6–14 years is provided under which Article?

Ans A) Article 51A(k)

B) Article 45

C) Article 21A

D) Article 19

Correct Answer: C

Q.31 Which of the following dance forms is from Uttar Pradesh?

Ans A) Odissi

B) Kathak

C) Bharatnatyam

D) Manipuri

Correct Answer: B

Q.32 E, F, G, W, X and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. F lives immediately above G. Only two people live between E and G. E lives on an odd numbered floor. Y lives immediately below W. How many people live between X and W?

Ans A) One

B) Two

C) Four

D) Three

Correct Answer: B

Q.33 Which date marked World Mental Health Day in 2025, emphasizing access to mental health services during emergencies?

Ans A) October 10, 2025 B) July 28, 2025 C) August 12, 2025 D) October 24, 2025

Correct Answer: A

Q.34 Let ABC and DEF be two congruent triangles such that $\angle A = \angle D$. If $AC = DF = 6$ cm, and $DE = 5$ cm, then find the length (in cm) of AB.

Ans A) 6 B) 8 C) 5 D) 10

Correct Answer: C

Q.35 P and Q can complete a piece of work in 14 days and 19 days, respectively. They work on alternate days, beginning with P. The whole work will be completed in:

Ans A) $14\frac{1}{19}$ days B) $16\frac{2}{19}$ days C) $18\frac{3}{19}$ days D) $12\frac{4}{19}$ days

Correct Answer: B

Q.36 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.

Question:

Among 5 trees, L, M, N, T and V each having a different height, which tree is the shortest?

Statements:

(I) V is shorter than N but taller than T. M is taller than T.

(II) L is taller than only one tree.

Ans A) Both statements I and II together (and not statement 1 alone or statement II alone) are sufficient to answer the question
B) Data in Statement I alone is sufficient to answer the question while data in statement II is not
C) Data in Statement II alone is sufficient to answer the question while data in statement I is not
D) Both statements I and II together are NOT sufficient to answer the question

Correct Answer: A

Q.37 The population of a village was 2,90,000. It increased by 15% in the first year and increased by 30% in the second year. Its population after two years is _____.

Ans A) 4,33,550 B) 3,33,500 C) 3,77,000 D) 4,20,500

Correct Answer: A

Q.38 If $A : B = 2 : 3$, $B : C = 4 : 3$ and $C : D = 6 : 7$, then $A : B : C : D$ is:

Ans A) 16 : 24 : 16 : 21 B) 16 : 24 : 18 : 21 C) 14 : 24 : 18 : 21 D) 16 : 22 : 18 : 21

Correct Answer: B

Q.39 A shopkeeper sold two items for ₹10,000 each. He suffered a loss of 20% on one item and earned 20% profit on the other item. What is his profit or loss percentage in the whole transaction?

Ans A) 4% loss B) 3% gain C) 3% loss D) 4% gain

Correct Answer: A

Q.40 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) GI-JM B) HJ-KM C) MO-PR D) CE-FH

Correct Answer: A

Q.41 In September 2025, which State Government launched a scheme 'KFC Machinery Loan Scheme for MSMEs' offering loans up to ₹5 crore (without collateral) under certain conditions?

Ans A) Assam B) Gujarat C) Tamil Nadu D) Kerala

Correct Answer: D

Q.42 A, B, and C run a 1200 m race. A gives to B a headstart of 300 m, and to C a headstart of 600 m. A finishes the race 30 seconds before B and 60 seconds before C. If A's speed is 10 m/s, then find the respective speeds of B and C. [Give your answer in m/s, and round off, wherever necessary, to one place after decimal.]

Ans A) 7.5 m/s, 2.5 m/s B) 6 m/s, 3.3 m/s C) 5.5 m/s, 3 m/s D) 8.5 m/s, 5 m/s

Correct Answer: B

Q.43 The mean proportional of 18 and 128 is:

Ans A) 50 B) 49 C) 51 D) 48

Correct Answer: D

Q.44 A person runs a concession stand at a basketball game and sells burgers and soft drinks. Each burger costs ₹15 and each soft drink costs ₹5. At the end, a total of ₹785 is earned by selling a total of 87 burgers and soft drinks combined. How many soft drinks are sold?

Ans A) 52 B) 35 C) 27 D) 60

Correct Answer: A

Q.45 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) MN-QR B) FG-IJ C) CD-FG D) PQ-ST

Correct Answer: A

Q.46 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 grapes are lemons. No grape is a melon. No melon is a strawberry.

Conclusions:

(I) No lemon is a melon.

(II) No grape is a strawberry.

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

Correct Answer: C

Q.47 Which of the following statements is correct about the literacy of India between 2001 and 2011?

Ans A) Female literacy has risen faster than male literacy. B) Male literacy and female literacy have risen parallelly.
C) Male literacy has risen faster than female literacy. D) Male literacy has declined whereas female literacy has risen.

Correct Answer: A

Q.48 D, E, F, G, S, T and U are sitting around a circular table facing the centre. U sits to the immediate right of G. Only three people sit between U and E when counted from the left of U. Only three people sit between G and T when counted from the left of G. D sits to the immediate right of S. How many people sit between F and S when counted from the left of S?

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

Correct Answer: B

Q.49 100 men have provisions for 27 days. If 25 men have left, for how many days the same provisions would last for the remaining men?

Ans A) 40 B) 38 C) 34 D) 36

Correct Answer: D

Q.50 'Odia' was given classical language status in which of the following years?

Ans A) 2012 B) 2005 C) 2014 D) 2010

Correct Answer: C

Q.51 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 6587134, which of the following digits will be second from the left end in the new number thus formed?

Ans A) 4 B) 8 C) 6 D) 5

Correct Answer: C

Q.52 Seven people – H, I, J, K, L, M, and N – attend workshops on different days of the week starting from Monday and ending on Sunday. K's workshop is on Wednesday. Only one person attends between K and M. J attends workshop immediately after M. H attends on one of the days before I but after N. L attends the workshop before J but not on Monday. On which day does H attend the workshop?

Ans A) Wednesday B) Friday C) Sunday D) Thursday

Correct Answer: D

Q.53 The average of first 13 multiples of 8 is:

Ans A) 56 B) 13 C) 8 D) 52

Correct Answer: A

Q.54 Sidhu and Kanhu are historically remembered for their leadership in which uprising?

Ans A) Bastar Rebellion

B) Santhal Revolt

C) Koi Revolt

D) Paralkot Rebellion

Correct Answer: B

Q.55 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 leaves are roots.

All roots are flowers.

Some flowers are stems.

Conclusions:

(I) All stems are roots.

(II) All flowers are leaves.

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: B

Q.56 According to the International Renewable Energy Agency's Renewable Energy Statistics 2025, what is India's global rank in renewable energy installed capacity?"

Ans A) 9th

B) 4th

C) 1st

D) 6th

Correct Answer: B

Q.57 MELD is related to QHHA in a certain way based on the English alphabetical order. In the same way, UKDX is related to YNZU. To which of the following is CQVR related to, following the same logic?

Ans A) HSQP

B) GTRO

C) FUSN

D) HTSO

Correct Answer: B

Q.58 What happens to light energy in interference and diffraction?

Ans A) It decreases

B) It increases

C) It is redistributed

D) It reduces

Correct Answer: C

Q.59 Simplify: $\frac{\sqrt[3]{5832}}{\sqrt[4]{256}} \times \frac{2}{54} \times 54$

Ans A) 9

B) 19

C) 13

D) 11

Correct Answer: A

Q.60 At what rate per annum will a sum of money become five times itself in 6 years under simple interest?

Ans A) $64\frac{2}{3}\%$

B) $66\frac{2}{3}\%$

C) $133\frac{1}{3}\%$

D) $68\frac{1}{3}\%$

Correct Answer: B

Q.61 Under which Act were the Environment Audit Rules, 2025, issued on 29-8-2025?

Ans A) Environment (Protection) Act, 1986

B) Forest Conservation Act, 1980

C) Wildlife Protection Act, 1972

D) Air (Prevention and Control of Pollution) Act, 1981

Correct Answer: A

Q.62 Which of the following is NOT a peninsular river?

Ans A) Narmada

B) Krishna

C) Godavari

D) Ganga

Correct Answer: D

Q.63 In 2025, which international organization reclassified India's de facto exchange rate regime from a "stabilised" system to a crawl-like arrangement?

Ans A) International Monetary Fund (IMF)

B) Asian Development Bank

C) World Bank

D) Bank for International Settlements

Correct Answer: A

Q.64 As per the Constitution of India, Article 182 deals with which of the following?

Ans A) Chairman and Deputy Chairman of the State Legislative Council

B) Disqualification for membership

C) Composition of State Legislative Assemblies

D) Special address by the Governor

Correct Answer: A

Q.65 Koli is the dance form of the Koli fishermen community of:

Ans A) Bihar

B) Odisha

C) Maharashtra

D) Rajasthan

Correct Answer: C

Q.66 What should come in place of '?' in the given series?

44 50 62 80 104 ?

Ans A) 132 B) 136 C) 138 D) 134

Correct Answer: D

Q.67 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 :: ?

: XHP :: UEM : %

Ans A) # = NXF % = EKW B) # = NOF % = EOW C) # = NXF % = EOO D) # = NXF % = EOW

Correct Answer: D

Q.68 _____ is measured using the unit "quintal".

Ans A) Weight B) Temperature C) Length D) Volume

Correct Answer: A

Q.69 Two trains running in opposite directions at 40 km/hr and 52 km/hr cross each other in 18 seconds . If one train is 250 m long, then find the length of the other train.

Ans A) 190 m B) 220 m C) 200 m D) 210 m

Correct Answer: D

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 :: ?

: NSO :: SXT : %

Ans A) # = PUQ , % = QVR B) # = PUR , % = QVS C) # = PUQ , % = QVS D) # = PUQ , % = QWS

Correct Answer: A

Q.71 This question is based on the five, three-digit numbers given below.

(Left) 571 769 642 598 796 (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 third digit of the highest number is added to the second digit of the lowest number?

Ans A) 13 B) 11 C) 16 D) 10

Correct Answer: A

Q.72 Which shortcut is used to undo the last action?

Ans A) Ctrl+E B) Ctrl+X C) Ctrl+U D) Ctrl+Z

Correct Answer: D

Q.73 What was a major administrative feature in the military governance system of early South Indian kingdoms, such as the Chalukyas and Rashtrakutas?

Ans A) Feudatory chiefs were assigned military and administrative duties B) Temple authorities directly recruited soldiers for village defence
C) District leaders were rotated annually by royal decree D) Military governance was entirely centralised under the royal council

Correct Answer: A

Q.74 12 is related to 63 following a certain logic. Following the same logic, 21 is related to 108. To which of the following is 26 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) 103 B) 133 C) 116 D) 127

Correct Answer: B

Q.75 Find the value of y, satisfying $26 \times 5 \times 715 \div \sqrt{3025} = y + 913$

Ans A) 777 B) 772 C) 771 D) 780

Correct Answer: A

Q.76 Shivani walks 7 km towards East from Point C. She then turns left and walks 4 km. After that, she takes a right turn and walks 6 km. Then, she turns right again and walks 4 km. Finally, she takes a left turn and walks 7 km to reach Point J. How far and in which direction is Point J from Point C ? (All turns are 90-degree turns only, unless specified.)

Ans A) 20 km, east B) 18 km, west C) 21 km, north D) 24 km, west

Correct Answer: A

Q.77 Which among the following commissions in India has submitted a report titled 'Right to Information: Master Key to Good Governance'?

- Ans A) Administrative Reforms Commission (ARC) - 1 B) Sakaria Commission C) Punchhi Commission
D) Administrative Reforms Commission (ARC) - 2

Correct Answer: A

Q.78 India signed a 10-year Defence Framework Agreement in 2025 with which country during a meeting held on the sidelines of the ASEAN–India Defence Ministers' Informal Meeting in Kuala Lumpur?

- Ans A) Japan B) Australia C) Malaysia D) United States of America

Correct Answer: D

Q.79 According to the World Meteorological Organization (WMO), 2025, reporting based on 2023 data, which greenhouse gas/gases reached 151% of its/their pre-industrial concentration?

- Ans A) Hydrochlorofluorocarbons B) Carbon dioxide C) Methane D) Nitrous oxide

Correct Answer: B

Q.80 In which year was the report of Methodology for Measurement of Poverty in India submitted by the Dr. C Rangarajan Committee?

- Ans A) 2008 B) 2014 C) 2010 D) 2017

Correct Answer: B

Q.81 In an isosceles triangle ABC, the equal sides AB and AC are each 10 cm, and the base BC is 12 cm. Find the area of the triangle.

- Ans A) 40 cm² B) 45 cm² C) 48 cm² D) 36 cm²

Correct Answer: C

Q.82 What does the Environment Audit Rules, 2025, aim to establish across India?

- Ans A) A new environmental tax system B) A water conservation campaign C) A framework for environmental accountability
D) A national reforestation program

Correct Answer: C

Q.83 There are 85 members in group A, 23 members in group B and 42 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 ₹407, ₹365 and ₹280, respectively. The overall average amount (in ₹) spent per member is:

- Ans A) 362 B) 363 C) 368 D) 365

Correct Answer: D

Q.84 C is the son of F. F is the sister of E. E is the son of G. G is the husband of H. How is C related to H?

- Ans A) Son's wife's brother B) Son's son C) Daughter's husband D) Daughter's son

Correct Answer: D

Q.85 In a certain code language,
A + B means 'A is the daughter 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'

Based on the above, how is D related to J if 'D – F + G x H ÷ J'?

- Ans A) Father B) Son C) Husband D) Brother

Correct Answer: D

Q.86 The ages (in years) of patients in a clinic are recorded as follows: 15, 18, 21, 21, 23, 25, 28, 30, 35, 40, 45, 50, 55. Calculate the difference between the median age now and after removing the oldest patient (55 years) from the data set.

- Ans A) 1.75 years B) 1.5 years C) 2.5 years D) 1.25 years

Correct Answer: B

Q.87 If $x^4 = 322 - \frac{1}{x^4}$ and $x \geq 1$, then the value of $x^3 - \frac{1}{x^3}$ is:

- Ans A) 76 B) 72 C) 64 D) 62

Correct Answer: A

Q.88

A 24 m long ladder is leaning against a wall. If the ladder makes an angle of 30° with the wall, what is the distance (in m) of the foot of the ladder from the wall?

Ans A) 12

B) $12\sqrt{2}$

C) $12\sqrt{3}$

D) $\frac{12}{\sqrt{3}}$

Correct Answer: A

Q.89 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)
19, 78
24, 98

Ans A) 26, 112

B) 26, 110

C) 27, 112

D) 27, 110

Correct Answer: D

Q.90 Movie studios use powerful computers to create special effects and animations. This is an application of computers in:

Ans A) Accounting

B) Scientific research only

C) Entertainment

D) Banking

Correct Answer: C

Q.91 Seven people F, G, H, I, U, V, and W are sitting around a circular table facing the centre of the table. U sits second to the right of H. Only one person sits between U and W. Only one person sits between H and F. Only two people sit between V and W. Only one person sits between G and F. Who sits fourth to the right of I?

Ans A) V

B) W

C) G

D) U

Correct Answer: C

Q.92 48 is related to 192 following a certain logic. Following the same logic, 52 is related to 208. To which of the following is 61 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, 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.)

Ans A) 244

B) 234

C) 254

D) 264

Correct Answer: A

Q.93 Seven boxes P, Q, R, S, T, U and V are kept one over the other but not necessarily in the same order.
Q is kept immediately above P. S is kept immediately above V. Only R is kept above U. Only two boxes are kept above Q. S is not kept at third position from the bottom.
How many boxes are kept between R and T?

Ans A) 3

B) 2

C) 4

D) 1

Correct Answer: A

Q.94 In a certain code language, 'KITE' is coded as '5871' and 'TIME' is coded as '7853'. What is the code for 'M' in the given code language?

Ans A) 3

B) 8

C) 5

D) 7

Correct Answer: A

Q.95 System Software such as the Operating System is primarily designed to manage and coordinate the flow of data and instructions between the hardware and software, acting as the system's core _____.

Ans A) application logic

B) peripheral device

C) utility service

D) resource manager

Correct Answer: D

Q.96 The radius of a right circular cone is increased by 8% and slant height is decreased by 15%. Find the percentage change in curved surface area of the cone.

Ans A) decreases by 8.2%

B) increases by 7%

C) decreases by 11.5%

D) decreases by 7%

Correct Answer: A

Q.97 Recently appointed as CEO of Qatar Airways (December 2025), who is the new head of this major global airline?

Ans A) Sheikh Mohammed bin Abdulrahman Al Thani

B) Engr. Badr Mohammed Al-Meer

C) Mohamed bin Rashid Al Maktoum

D) Hamad Ali Al-Khater

Correct Answer: D

Q.98 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
AZA 27 XWX 36 UTU 45 RQR 54 ?

Ans A) OMN 62

B) ONO 63

C) OTZ 62

D) OON 63

Correct Answer: B

Q.99 A trader marks an article at a certain price and offers a 20% discount on it. Additionally, for every 120 articles purchased, he gives 3 more articles free of cost. If his overall profit on the transaction is 28%, find the percentage by which the marked price of an article exceeds its cost price. Assume the customer pays for only 120 articles.

Ans A) 64%

B) 68%

C) 72%

D) 60%

Correct Answer: A

Q.100 In a certain code language, 'TIME' is coded as '3519' and 'EARS' is coded as '6894'. What is the code for 'E' in that language?

Ans A) 4

B) 6

C) 8

D) 9

Correct Answer: D