



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	24/03/2026
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 Seven boxes P, Q, R, S, T, U and V are kept one over the other but not necessarily in the same order.
No box is kept above U. Only three boxes are kept between U and P. Only one box is kept between R and T. T is kept immediately above P. Only four boxes are kept between R and V. Q is kept at some place above S.
How many boxes are kept between S and U?

- Ans**
- A. 3
 - B. 2
 - C. 4
 - D. 1

Q.2 Which of the following is the most significant source of nutrient pollution leading to eutrophication in freshwater bodies?

- Ans**
- A. Industrial effluents
 - B. Agricultural runoff
 - C. Sewage discharge
 - D. Urban stormwater

Q.3 Which award is recognized as the highest honour in Indian cinema, presented to Mohanlal in September 2025?

- Ans**
- A. National Award for Best Actor
 - B. Padma Bhushan
 - C. Dadasaheb Phalke Award
 - D. Filmfare Lifetime Achievement Award

Q.4 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 below B. Only one box is kept above G. Only one box is kept between G and A. C is kept immediately above F. E is kept at some place below D.
How many boxes are kept below E?

- Ans**
- A. 5
 - B. 2
 - C. 4
 - D. 3

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Q.5 The average weight of a group of 10 students is 50 kg. If the weight of the teacher is also included, the average weight increases by 1 kg. What is the teacher's weight?

- Ans
- A. 59 kg
 - B. 61 kg
 - C. 60 kg
 - D. 58 kg

Q.6 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 heaters are fans. Some heaters are lights. No heater is a bulb.

Conclusions:

(I) Some fans are lights.

(II) No bulb is a heater.

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

Q.7 A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only one person sits between G and C when counted from the left of C. E sits third to the right of A. F sits third to the left of D. E sits to the immediate right of F. B is not an immediate neighbour of F. Who sits third to the right of G?

- Ans
- A. F
 - B. B
 - C. D
 - D. E

Q.8 Which of the following processes is/are primarily responsible for the formation of fold mountains such as the Himalayas?

- Ans
- A. Wind deposition
 - B. Erosion by rivers
 - C. Plate collision
 - D. Volcanic eruptions

Q.9 Which Article of the Directive Principles of State Policy enshrines the principle of equal pay for equal work for both men and women in India?

- Ans
- A. Article 39
 - B. Article 44
 - C. Article 43
 - D. Article 41

Q.10 Find the difference between the compound interest, compounded annually, and the simple interest on ₹4,000 for 2 years at 6% per annum.

- Ans
- A. ₹ 15.90
 - B. ₹ 13.80
 - C. ₹ 16.80
 - D. ₹ 14.40

Q.11 A shopkeeper purchased 19 dozens of articles at the rate of ₹390 per dozen. He sold each one of them at the rate of ₹78. What percentage profit did he make?

- Ans
- A. 137%
 - B. 140%
 - C. 143%
 - D. 142%

Q.12 If a 7-digit number 54572A0 is completely divisible by 3, what is the minimum value of A?

- Ans
- A. 4
 - B. 1
 - C. 5
 - D. 3

Q.13 A shopkeeper fixes the marked price of an item 100% above its cost price. What percentage of discount on marked price should be allowed to gain 26%?

- Ans
- A. 36%
 - B. 39%
 - C. 40%
 - D. 37%

Q.14 Space Summit 2026, a specially curated two-day elite conference held on 2–3 February 2026, took place in which of the following countries?

- Ans
- A. India
 - B. United States
 - C. United Arab Emirates
 - D. Singapore

Q.15 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 :: ?

: ZVT :: JFD : %

- Ans
- A. # = WTR , % = LKH
 - B. # = XSR , % = LJG
 - C. # = XUR , % = MJL
 - D. # = WSQ , % = MIG

Q.16 Which of the following Union Territories has a Legislative Assembly and Council of Ministers?

- Ans
- A. Daman and Diu
 - B. Dadra and Nagar Haveli
 - C. Andaman and Nicobar Islands
 - D. Puducherry

Q.17 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 :: ?

: NXF :: KUC : %

- Ans
- A. # = FIX % = SCK
 - B. # = FPX % = SCO
 - C. # = FPX % = SCK
 - D. # = EPX % = SCK

Q.18 Which factor has contributed most to the depletion of high-grade mineral ores in India over recent decades?

- Ans
- A. Increased export of unprocessed minerals
 - B. Selective mining of rich ores
 - C. Limited foreign investment in mining
 - D. Overdependence on coal-based industries

Q.19 Let C_1 and C_2 be two concentric circles with centre O. Let AB be a chord on C_1 the larger circle such that AB touches C_2 at the point P. Then which of the following is true?

- (i) $OP = AP$
- (ii) $AP = PB$
- (iii) $OP = 2PB$
- (iv) $OP = AB$

- Ans
- A. $AP = PB$
 - B. $OP = 2PB$
 - C. $OP = AP$
 - D. $OP = AB$

Q.20 The surface area of a sphere is 154 cm^2 . What is the radius of the sphere? (Use

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

- Ans
- A. 3.5 cm
 - B. 5 cm
 - C. 7 cm
 - D. 11 cm

Q.21 Which of the following leaders did the soldiers choose to lead them after rebelling against the British in 1857?

- Ans
- A. Bahadur Shah Zafar
 - B. Mangal Pandey
 - C. Nana Sahib
 - D. Rani Lakshmbai

Q.22 Two quadratic equations $x^2 + x + p = 0$ and $x^2 + 2x - 3 = 0$ have one root common. What is a possible value of p?

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

Q.23 The perimeter of a certain sector of a circle of radius 8 cm is 24 cm. Find the area of the sector.

- Ans
- A. 32 cm^2
 - B. 22 cm^2
 - C. 29 cm^2
 - D. 38 cm^2

Q.24 In which year did the Vellore Mutiny take place?

- Ans
- A. 1817 CE
 - B. 1857 CE
 - C. 1799 CE
 - D. 1806 CE

Q.25 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
OQR 42 TWV 35 YAB 28 DFG 21 ?

- Ans
- A. IKL 14
 - B. ILK 14
 - C. IJK 13
 - D. IQZ 13

Q.26 Which of the following wildcards is used for finding the files matching a pattern?

- Ans
- A. /[file extension]
 - B. -.[file extension]
 - C. +.[file extension]
 - D. *[file extension]

Q.27 Which classical Indian music form is primarily performed in temples as part of devotional worship, especially in Kerala?

- Ans
- A. Khayal
 - B. Sopana Sangeetham
 - C. Dhruvad
 - D. Thumri

Q.28 P, Q, R, S, T and U 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. T lives on an even numbered floor but not 6. The sum of the floors on which Q and T live is 7. P lives immediately above U. The sum of the floors on which T and R live is 3. How many people live below T?

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

Q.29 What is the role of parental consent under the DPDP Act, 2023, as of December 2025?

- Ans
- A. To approve all digital device purchases
 - B. To allow schools to access children's medical records
 - C. To grant children access to online exams
 - D. To permit processing of a child's personal data by data fiduciaries

Q.30 Find the weighted mean of the first 5 natural numbers whose weights are equal to the corresponding numbers.

- Ans
- A. $\frac{12}{5}$
 - B. $\frac{13}{3}$
 - C. $\frac{11}{3}$
 - D. $\frac{11}{5}$

Q.31 According to the World Population Review Report, 2024, which of the following regions of the world has the highest population density?

- Ans
- A. South-Central Asia
 - B. North America
 - C. Central Africa
 - D. Western Europe

Q.32 _____ or 'Dance of an Enchantress' is a solo dance, performed primarily by women, in the state of Kerala.

- Ans
- A. Thiruvathirakali
 - B. Mohiniyaattam
 - C. Kathakali
 - D. Bharatanatyam

Q.33 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
- A. IG-HF
 - B. SQ-RP
 - C. HF-GE
 - D. AY-YZ

Q.34 By selling an article at $\frac{4}{11}$ of its actual selling price, Nirbhay incurs a loss of 20%.

If he sells it at 71% of its actual selling price, then the profit percentage is

- Ans
- A. 58.3%
 - B. 56.2%
 - C. 58.5%
 - D. 57.8%

Q.35 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8674153, what will be the difference between the highest and lowest digits in the number thus formed?

- Ans
- A. 5
 - B. 4
 - C. 6
 - D. 7

Q.36 What is the function of the keyboard shortcut Ctrl + Tab?

- Ans
- A. Close a tab
 - B. Copy content
 - C. Save content
 - D. Switch between open tabs

Q.37 Which ion is responsible for the acidic nature of solutions?

- Ans
- A. Chloride ion (Cl⁻)
 - B. Sodium ion (Na⁺)
 - C. Hydrogen ion (H⁺)
 - D. Hydroxide ion (OH⁻)

Q.38 Which of the following is a distinctive feature found in Harappan cities?

- Ans
- A. Efficient transportation
 - B. Religious processions
 - C. Trade routes
 - D. Drainage system

Q.39 In a certain code language, 'window is open' is coded as 'fq ul pt' and 'clean the window' is coded as 'zd fq wp'. How is 'window' coded in that language?

- Ans A. fq
 B. ul
 C. wp
 D. pt

Q.40 Which type of computer memory loses its stored data when the power supply is turned off?

- Ans A. Optical memory form
 B. Volatile memory type
 C. Magnetic memory set
 D. Non-volatile memory type

Q.41 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only

(Left) % V € L X @ £ & Y M P # N % € Z % P * © M \$ (Right)

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

- Ans A. 7
 B. 5
 C. 4
 D. 6

Q.42 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
 JIM 36 NMQ 24 RQU 12 VUY 0 ?

- Ans A. ZYC -12
 B. ZHQ -13
 C. ZZB -12
 D. ZXB -13

Q.43 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

15 A 5 C 6 B 8 D 1 = ?

- Ans A. 50
 B. 47
 C. 49
 D. 48

Q.44 Which of the following Articles of the Indian Constitution provides for a Uniform Civil Code (UCC)?

- Ans A. Article 48
 B. Article 44
 C. Article 46
 D. Article 42

Q.45 Three bells ring at regular intervals. The first bell rings every 120 minutes, the second every 180 minutes, and the third every 240 minutes. If all three bells ring together at 9:00 a.m., at what time will they ring together again?

- Ans**
- A. 9 p.m.
 - B. 6 p.m.
 - C. 12 noon
 - D. 3 p.m.

Q.46 Deoxyribonucleic Acid (DNA) and Ribonucleic Acid (RNA) belong to which class of biomolecules?

- Ans**
- A. Nucleic acids
 - B. Protein
 - C. Lipid
 - D. Carbohydrate

Q.47 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**
- A. BC-EF
 - B. EF-HI
 - C. TU-WX
 - D. QR-SW

Q.48 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

All chairs are tables. All tables are boards. Some tables are desks.

Conclusions:

(I) Some boards are desks.

(II) Some chairs are desks.

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

Q.49 In a certain code language,
 $A + B$ means 'A is the son of B'
 $A - B$ means 'A is the brother of B'
 $A \times B$ means 'A is the wife of B'
 $A \div B$ means 'A is the father of B'

Based on the above, how is D related to J if ' $D \div F - G \times H + J$ '?

- Ans**
- A. Wife's father
 - B. Son's wife's father
 - C. Wife's brother
 - D. Son's wife's brother

Q.50 In what duration (in years) will ₹7,200 fetch a simple interest of ₹360 at 4% per annum rate of interest?

- Ans**
- A. 2.25
 - B. 2.5
 - C. 1.25
 - D. 0.25

Q.51 If $p + \frac{1}{m} = m + \frac{1}{n} = n + \frac{1}{p}$ ($p \neq m \neq n$), then the value of $p \times m \times n$ is:

- Ans
- A. ± 2
 - B. $\pm \frac{1}{2}$
 - C. ± 1
 - D. 0

Q.52 Vanraj is twice as old as his younger brother, and his other brother is 3 years younger than the younger brother. If the sum of the ages of these three brothers 3 years ago was 20 years, find Vanraj's present age, in years.

- Ans
- A. 16
 - B. 15
 - C. 14
 - D. 18

Q.53 This question is based on the five, three-digit numbers given below.

(Left) 237 732 273 854 798 (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 second digit of the lowest number?

- Ans
- A. 14
 - B. 8
 - C. 11
 - D. 12

Q.54 In a certain code language, 'TOUR' is coded as '2374' and 'RIOT' is coded as '7634'. What is the code for 'I' in the given code language?

- Ans
- A. 4
 - B. 3
 - C. 6
 - D. 7

Q.55 What are the three aims of economic policy listed in the 1991 document?

- Ans
- A. Protectionism, Regulation, Public Ownership
 - B. Nationalisation, Deregulation, Decentralisation
 - C. Market Liberalisation, Trade Restrictions, State Control
 - D. Liberalisation, Globalisation, Privatisation

Q.56 ₹6241 is divided among A, B, C, and D in such a way that the shares of A and B, B and C, and C and D are in the ratios of 2 : 3, 4 : 5, and 10 : 3 respectively. The share of A (in ₹) is:

- Ans
- A. 1174
 - B. 1264
 - C. 1384
 - D. 1334

Q.57 What should come in place of '?' in the given series?

45 46 50 59 75 ?

- Ans
- A. 98
 - B. 101
 - C. 99
 - D. 100

Q.58 If $3(\sin^2\theta + \operatorname{cosec}^2\theta) = 10$, then the value of $\cot^6\theta + \operatorname{cosec}^6\theta$ is :

- Ans
- A. 35
 - B. 43
 - C. 28
 - D. 37

Q.59 The Pallava dynasty had its capital at which of the following places?

- Ans
- A. Kanchipuram
 - B. Vatapi
 - C. Badami
 - D. Madurai

Q.60 Seven people F, G, H, I, U, V, and W are sitting around a circular table facing the centre of the table. H sits third to the left of W. V sits second to the left of G. U sits third to the right of I. U sits to the immediate right of H. F is not an immediate neighbour of H. How many people sit between F and G when counted from the right of F?

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

Q.61 Refer to the following number and symbol series and answer the question. Counting to be done from left to right only. (All numbers are single-digit numbers only.)
(Left) 3 6 2 £ 4 9 + 7 ~ 1 # % \$ 5 ? & = * Ω 8 @ (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
- A. One
 - B. Two
 - C. Four
 - D. Three

Q.62 Which of the following sectors is Shri Uday Kotak connected with, for which he was awarded the Padma Bhushan as announced in the Padma Awards 2026?

- Ans
- A. Science and Innovation
 - B. Trade and Industry
 - C. Social Development
 - D. Public Service

Q.63 12 is related to 86 following a certain logic. Following the same logic, 17 is related to 116. To which of the following is 21 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. 146
 - B. 152
 - C. 158
 - D. 140

Q.64 The cold and chilly winds that are blocked by the Himalayas originate from Central Asia and regions close to which of the following?

- Ans
- A. Pacific Ocean
 - B. Arctic Circle
 - C. Central Africa
 - D. Mediterranean Region

Q.65 The ages of A and B are in the ratio 5 : 8. After 6 years, the ratio becomes 3 : 4. What is A's present age?

- Ans
- A. 9 years
 - B. 9.7 years
 - C. 7.5 years
 - D. 11 years

Q.66 27% reservation for OBCs in educational institutions was provided through which Constitutional Amendment of the Indian Constitution?

- Ans
- A. Eighty-Sixth Amendment
 - B. Ninety-Third Amendment
 - C. Ninety-Fourth Amendment
 - D. Ninety-Seventh Amendment

Q.67 The mean and the mode of a set of data are 17.9 and 24.7, respectively. Find the median of the data, using the empirical formula (correct to one decimal place).

- Ans
- A. 19.9
 - B. 21.4
 - C. 20.2
 - D. 20.3

Q.68 FDI in Multi Brand Retail Trade is permitted up to what limit?

- Ans
- A. 49%
 - B. 51%
 - C. 100%
 - D. 74%

Q.69 Which Indian cooperatives were ranked first and second, respectively, in the International Cooperative Alliance World Cooperative Monitor 2025, as announced at the ICA CM50 Conference in Doha in 2025?

- Ans
- A. IFFCO ranked first and KRIBHCO ranked second
 - B. IFFCO ranked first and Amul (GCMMF) ranked second
 - C. Amul (GCMMF) ranked first and KRIBHCO ranked second
 - D. Amul (GCMMF) ranked first and IFFCO ranked second

Q.70 Two runners A and B start simultaneously from the same point on a circular track of length 840 m and run in the clockwise direction. The speed of A is 7 m/s and the speed of B is 5 m/s. At what distance from the starting point in the clockwise direction and after how many complete rounds by A, does A meet with B again the first time?

- Ans
- A. 210 m after completing 3 rounds
 - B. 210 m after completing 2 rounds
 - C. 420 m after completing 3 rounds
 - D. 420 m after completing 2 rounds

Q.71 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)

15, 73
19, 93

- Ans
- A. 22, 113
 - B. 23, 114
 - C. 23, 113
 - D. 22, 114

Q.72 Under the 74th Amendment of the Indian Constitution, who is eligible for representation in a municipality without voting rights?

- Ans
- A. Governors of States
 - B. Members of the Gram Sabha
 - C. Persons with special knowledge in municipal administration
 - D. The Chief Minister

Q.73 Which process in the contemporary period is responsible for economic integration of countries on a global scale?

- Ans
- A. Industrialisation
 - B. Glocalisation
 - C. Transnationalisation
 - D. Globalisation

Q.74 In 2025, which United Nations body released the Global Methane Status Report?

- Ans
- A. Intergovernmental Panel on Climate Change (IPCC)
 - B. UN Framework Convention on Climate Change (UNFCCC)
 - C. UN Environment Programme (UNEP)
 - D. World Meteorological Organization (WMO)

Q.75 There are 30 members in group A, 21 members in group B and 40 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 ₹378, ₹355 and ₹224, respectively. The overall average amount (in ₹) spent per member is:

- Ans
- A. 302
 - B. 304
 - C. 303
 - D. 305

Q.76 In a certain code language,
A + B means 'A is the wife of B'
A - B means 'A is the mother of B'
A × B means 'A is the father of B'
A ÷ B means 'A is the husband of B'

Based on the above, how is Y related to S if 'Y + N × K ÷ T - S'?

- Ans
- A. Father's sister
 - B. Mother
 - C. Father's mother
 - D. Sister

Q.77 HM 14 is related to EJ 16 in a certain way. In the same way, RW 22 is related to OT 24. To which of the following is SX 27 related, following the same logic?

- Ans
- A. PU 29
 - B. QU 28
 - C. PV 29
 - D. QV 29

Q.78 The term GIGO (Garbage In Garbage Out) is most closely related to which computer characteristic?

- Ans
- A. Diligence
 - B. No Heuristics
 - C. Storage Capacity
 - D. Accuracy

Q.79 Evaluate: $(-9) - (-56) \div (-8) + (-4) \times 7$

- Ans
- A. -47
 - B. -44
 - C. -43
 - D. -46

Q.80 Girish scored 424 marks in an examination and was 13 marks short of 19% of the maximum marks. In the same examination, his friend scored 529 marks. What is the percentage of marks scored by his friend?

- Ans
- A. 26%
 - B. 22%
 - C. 23%
 - D. 25%

Q.81 Which of the following languages is linked with the abhang devotional verses composed by Sant Tukaram in praise of the Divine?

- Ans
- A. Gujarati
 - B. Kannada
 - C. Marathi
 - D. Hindi

Q.82 In which system of thermodynamics, there is no exchange of energy or matter between the system and the surroundings?

- Ans
- A. Partially closed
 - B. Isolated
 - C. Open
 - D. Closed

Q.83 According to Article 171 of the Constitution of India, the total membership of a State's Legislative Council shall not surpass which of the following proportions of the total members of the State Legislative Assembly?

- Ans
- A. One-third
 - B. One-fourth
 - C. One-half
 - D. Two-thirds

Q.84 Lagan starts from Point A and drives 22 km towards South. He then takes a right turn, drives 13 km, turns right and drives 27 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 5 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. 8 km to the east
 - B. 8 km to the west
 - C. 7 km to the west
 - D. 7 km to the east

Q.85 Along with CO₂, which of the following initiators are essential for light-independent reactions during photosynthesis?

- Ans
- A. ATP and NADPH
 - B. CO₂ and glucose
 - C. Hydrolases and H₂O
 - D. CO₂ and H₂O

Q.86 23 is related to 139 following a certain logic. Following the same logic, 28 is related to 169. To which of the following is 25 related, following the same logic? (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.)

- Ans
- A. 151
 - B. 146
 - C. 155
 - D. 141

Q.87 Two numbers A and B are such that the sum of 10% of A and 20% of B is equal to three-fourths the sum of 20% of A and 10% of B. Find the ratio of A to B.

- Ans
- A. 2 : 5
 - B. 5 : 3
 - C. 5 : 2
 - D. 3 : 5

Q.88 P, Q and R, each working alone, can complete a piece of work in, respectively, 10 days, 15 days and 25 days. If P works on all days, Q works on every odd-numbered day and R works on every even-numbered day, then in how many days will the whole work be completed?

- Ans
- A. $10\frac{11}{25}$
 - B. $12\frac{3}{25}$
 - C. $8\frac{9}{25}$
 - D. $6\frac{12}{25}$

Q.89 Evaluate: $16 + 20 \div 4 - 2 \times 3$

- Ans
- A. 18
 - B. 17
 - C. 14
 - D. 15

Q.90 Two trains move in opposite directions at 90 km/hr and 70 km/hr. One train is 480 m long. If they cross each other in 27 seconds, find the length of the other train (in metres).

- Ans
- A. 735
 - B. 725
 - C. 730
 - D. 720

Q.91 What should come in place of '?' in the given series?

13 15 18 23 30 ?

- Ans
- A. 38
 - B. 33
 - C. 41
 - D. 36

Q.92 The first residential university of the world, Nalanda, was established under the patronage of which of the following rulers?

- Ans
- A. Chandragupta I
 - B. Samudragupta
 - C. Kumaragupta I
 - D. Skandagupta

Q.93 Which battle in 1741 marked the defeat of the Dutch by an Indian ruler?

- Ans
- A. Carnatic Wars
 - B. Battle of Colachel
 - C. Battle of Plassey
 - D. Battle of Buxar

Q.94 Which of the following is a limitation for increasing the government expenditure to stimulate economic growth in Indian economy?

- Ans
- A. Drastically increasing foreign trade
 - B. Creating stagflation tendencies
 - C. Possibility of increased inflation
 - D. Drastically increasing social capital development

Q.95 In 2025, which province of the Democratic Republic of the Congo reported a new Ebola outbreak caused by the Zaire Ebola virus strain?

- Ans
- A. Kasai Province
 - B. Ituri Province
 - C. North Kivu Province
 - D. Kinshasa Province

Q.96 Two taps can fill a cistern in 2 hours and 57 hours respectively. A third tap can empty it in 57 hours. How long (in hours) will it take to fill half of the empty cistern, if all of them are opened together?

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

Q.97 Where was the Nagpur Book Festival 2025 scheduled to be held?

- Ans
- A. Yeshwant Stadium
 - B. Reshimbagh Ground
 - C. Kasturchand Park
 - D. Mankapur Stadium

Q.98 A and B invest in a business in the ratio 3 : 2. If they earn a total profit of ₹25,000, then how much profit does B receive?

- Ans
- A. ₹12,000
 - B. ₹5,000
 - C. ₹10,000
 - D. ₹15,000

Q.99 A sphere inscribes a cone of radius 3 cm and height $3\sqrt{2}$ cm. Find the surface area (in cm^2) of the sphere. [Use $\pi = \frac{22}{7}$]

- Ans
- A. $14\frac{1}{7}$
 - B. $127\frac{2}{7}$
 - C. $42\frac{1}{3}$
 - D. $86\frac{2}{3}$

Q.100 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 people – Nisha, Ojas, Pallav, Ritu, and Suman – are standing in a straight line facing east.

Who is standing second from the left end?

(I) Pallav is standing immediately to the left of Ritu, and Ritu is not standing at either ends.

(II) Nisha is standing at the extreme left end, and Ojas is standing immediately to the right of Suman.

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