



## 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	22/03/2026
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 In 2025, the Global AI Conclave, reinforcing India's role as a thought leader in responsible artificial intelligence, was hosted in which city?

- Ans  A. Chennai  
 B. Hyderabad  
 C. Bengaluru  
 D. New Delhi

Q.2 If 1 is added to each odd digit and 2 is added to each even digit in the number 6134527, what will be the sum of the last and first digits of the new number thus formed?

- Ans  A. 14  
 B. 18  
 C. 12  
 D. 16

Q.3 The period of southwest monsoon season in India is:

- Ans  A. July to December  
 B. June to September  
 C. May to September  
 D. June to November

Q.4 Based on the English alphabetical order, three of the following four 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. TYS  
 B. YCX  
 C. GKF  
 D. NRM

Q.5 In a certain code language, 'ROAD' is coded as '8657' and 'DEAR' is coded as '4567'. What is the code for 'E' in the given code language?

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

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Q.6 By selling an article at  $\frac{3}{10}$  of its marked price, Aman incurs a loss of 25%.

If he sells it at 69% of its actual marked price, then the profit percentage is

- Ans
- A. 75.1%
  - B. 74.1%
  - C. 73.5%
  - D. 72.5%

Q.7 In a certain code language, 'REST' is coded as '5729' and 'SEAT' is coded as '7625'.  
What is the code for 'A' in that language?

- Ans
- A. 2
  - B. 5
  - C. 7
  - D. 6

Q.8 Three friends X, Y and Z started a business by investing a sum of money in the ratio of 9 : 5 : 2. After 6 months, X withdraws half of his capital. If the sum invested by Z is ₹83,000, then out of a total annual profit of ₹88,000, what is the difference between X's and Y's profit?

- Ans
- A. ₹11,200
  - B. ₹10,550
  - C. ₹10,945
  - D. ₹12,710

Q.9 Which is the latest version of Windows?

- Ans
- A. Windows 18
  - B. Windows 11
  - C. Windows 7
  - D. Windows 10

Q.10 The 24th Constitutional Amendment gave the Parliament which of the following powers?

- Ans
- A. Override judicial review
  - B. Suspend the High Court judgment
  - C. Suspend elections
  - D. Amend Fundamental Rights

Q.11 If  $(5x - 1)^3 + (x + 3)^3 + 8(3x - 4)^3 = 6(5x - 1)(x + 3)(3x - 4)$ , then the value of x is:

- Ans
- A.  $\frac{3}{5}$
  - B.  $\frac{3}{4}$
  - C.  $\frac{1}{4}$
  - D.  $\frac{1}{2}$

Q.12 The total surface area of a solid hemisphere is  $281 \text{ cm}^2$ . What is its radius (in cm)?  
(Take  $\pi = \frac{22}{7}$ )

Ans

A.  $\sqrt{\frac{1966}{66}}$

B.  $\sqrt{\frac{1967}{66}}$

C.  $\sqrt{\frac{1965}{66}}$

D.  $\sqrt{\frac{1957}{132}}$

Q.13 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. Ritu, Seema, Tanya, Usha, and Varsha scored different marks. Who scored the highest marks?

(I) Tanya scored more than Ritu and Seema but less than Usha.

(II) Varsha scored more than Tanya but less than Usha.

Ans  A. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

B. Both statements I and II together are NOT sufficient to answer the question

C. Data in Statement II alone is sufficient to answer the question while data in Statement I is not

D. Data in Statement I alone is sufficient to answer the question while data in Statement II is not

Q.14 What is the term used for rural self-help group (SHG) women earning ₹1 lakh or more annually?

Ans  A. Lakhpati Didis

B. Sahyogi Didis

C. Aatmanirbhar Didis

D. Crorepati Didis

Q.15 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. SU - VX

B. BD - EG

C. IK - LN

D. LM - NP

Q.16 Pipe P can fill  $\frac{5}{9}$  part of a tank in 15 hours and pipe Q can fill  $\frac{7}{9}$  part of the same tank in 21 hours. Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

Ans  A. 57 hours

B. 58 hours

C. 42 hours

D. 54 hours

Q.17 A and B complete a work in 20 days. If A alone can do it in 45 days, then B alone can do three-fourth of the same work in \_\_\_\_\_ days.

- Ans
- A. 81
  - B. 54
  - C. 108
  - D. 27

Q.18 Which Sangam text, from the 2nd century CE, is an epic about a chaste wife's devotion?

- Ans
- A. Pattuppattu
  - B. Tolkappiyam
  - C. Manimekalai
  - D. Silappatikaram

Q.19 Which type of irrigation in India involves delivering water drop by drop at the root zone of plants?

- Ans
- A. Surface irrigation
  - B. Drip irrigation
  - C. Sub-irrigation
  - D. Sprinkler irrigation

Q.20 The population of a village was 2,90,000. It increased by 15% in the first year and increased by 20% in the second year. Its population after two years is \_\_\_\_\_.

- Ans
- A. 3,33,500
  - B. 4,00,200
  - C. 3,48,000
  - D. 3,91,500

Q.21 A man can row at 8 km/hr in still water. When the river flows at 2 km/hr, he takes 3 hours 12 minutes to row to a destination and back. Find the distance to the destination.

- Ans
- A. 10 km
  - B. 8 km
  - C. 15 km
  - D. 12 km

Q.22 The part of the pomegranate that is consumed is known as:

- Ans
- A. Pericarp
  - B. Placenta
  - C. Endocarp
  - D. Seed Coat

Q.23 Seven people, K, L, M, N, P, Q and R, are sitting around a circular table facing the centre of the table but not necessarily in the same order. Only two people sit between R and N when counted from the left of N. L sits third to the left of Q. P sits to the immediate right of Q. P sits second to the left of R. M is not an immediate neighbour of L. Who sits third to the right of K?

- Ans
- A. R
  - B. Q
  - C. M
  - D. P

Q.24 In which year were the Telugu and Kannada languages given the status of Classical Languages by the Indian Government?

- Ans
- A. 2006
  - B. 2004
  - C. 2014
  - D. 2008

Q.25 Which shortcut opens the system menu of an active window?

- Ans
- A. Alt+Space
  - B. Alt+Enter
  - C. Alt+F4
  - D. Alt+Tab

Q.26 Each of the digits in the number 749216358 is arranged in descending order from left to right. What will be the product of the digits which are second from the left and third from the right in the number thus formed?

- Ans
- A. 21
  - B. 24
  - C. 18
  - D. 16

Q.27 Which of the following was NOT an excavated site of the Banas culture?

- Ans
- A. Gilund
  - B. Bagor
  - C. Nagda
  - D. Ahar

Q.28 Simplify:  $\frac{\cos\theta}{1 + \sin\theta} + \frac{1 + \sin\theta}{\cos\theta}$ .

- Ans
- A.  $2 \operatorname{cosec}\theta$
  - B.  $2 \sin\theta$
  - C.  $2 \sec\theta$
  - D.  $2 \cos\theta$

Q.29 At what rate (in percentage) per year will a sum of money double itself in 20 years on simple interest?

- Ans
- A. 10
  - B. 5
  - C. 7
  - D. 3

Q.30 Which characteristic best differentiates Static RAM (SRAM) from Dynamic RAM (DRAM), leading to SRAM being used for CPU cache and DRAM for main system memory (RAM)?

- Ans
- A. DRAM is located directly on the CPU die, while SRAM is located on the motherboard.
  - B. DRAM is non-volatile, while SRAM is volatile.
  - C. SRAM is significantly faster, more expensive, and consumes less power than DRAM.
  - D. SRAM requires constant refreshing to hold data, while DRAM does not.

Q.31 Who among the following was the first Union Finance Minister of Independent India?

- Ans
- A. Rajkumari Amrit Kaur
  - B. RK Shanmukham Chetty
  - C. Dr. CH Bhabha
  - D. Sardar Baldev Singh

**Q.32** Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, a certain mathematical operation on the second number results in the third number, and so on. Which of the given options follows the same set of operations as in the question? (NOTE: A two-/three-digit number cannot be broken into individual digits for operations, e.g. if 37 is followed by 10, the operation cannot be  $3 + 7$ , as a two-digit number cannot be broken into individual digits.)

$100 - 50 - 60 - 30$  ;  $300 - 150 - 160 - 80$

- Ans
- A.  $160 - 80 - 90 - 180$
  - B.  $220 - 110 - 120 - 30$
  - C.  $100 - 50 - 40 - 20$
  - D.  $80 - 40 - 50 - 25$

**Q.33** Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) =  $N * R ^ S V L ^ A W O P Y \$ @ H A F ? E R$  (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. Two
  - B. Four
  - C. One
  - D. Three

**Q.34** If 2820 is divided into two parts such that one-fifth of the first part and one-eighth of the second part are in the ratio 3 : 4, what is the ratio of the first part to the second part?

- Ans
- A. 18 : 19
  - B. 15 : 32
  - C. 15 : 37
  - D. 17 : 36

**Q.35** What should come in place of '?' in the given series?

34 38 46 58 74 ?

- Ans
- A. 94
  - B. 98
  - C. 96
  - D. 92

**Q.36** 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 chairs are tables. Some tables are boards. No chair is a desk.

**Conclusions:**

- (I) Some boards are tables.
- (II) No table is a desk.

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

Q.37 Which of the following laws stipulated the establishment of Supreme Court in 1774 in Calcutta in India?

- Ans
- A. Regulating Act of 1773
  - B. Pitt's India Act, 1784
  - C. Charter Act of 1813
  - D. Government of India Act, 1858

Q.38 In a 150-meter race, R beats S by 6 meters. In a 250-meter race, R beats S by 2 seconds. As per this, in a race, if R runs for 30 seconds, then he beats S by \_\_\_ meters.

- Ans
- A. 5.75
  - B. 7.25
  - C. 6.75
  - D. 6.25

Q.39 In the Mansabdari system introduced by Akbar, the term Mansab refers to which of the following?

- Ans
- A. Spiritual leadership program
  - B. Rank or position of an official
  - C. Calendar for revenue collection
  - D. Standardized land revenue assessment

Q.40 Which post-surgical intervention, demonstrated by Indian researchers in 2025, was shown to significantly reduce pelvic recurrence in high-risk bladder cancer patients?

- Ans
- A. Immunotherapy used as a standalone post-surgical treatment
  - B. Radiation therapy administered after bladder cancer surgery
  - C. Targeted drug therapy replacing surgery for bladder cancer
  - D. Chemotherapy administered before bladder cancer surgery

Q.41 The Golden Quadrilateral connects which of the following cities?

- Ans
- A. Delhi, Bhopal, Ahmedabad, Mumbai
  - B. Chennai, Bangalore, Hyderabad, Kolkata
  - C. Mumbai, Pune, Hyderabad, Bangalore
  - D. Delhi, Mumbai, Chennai, Kolkata

Q.42 'Rathwa Ni Gher' is a tribal dance of the Rathwa tribal community of \_\_\_\_\_.

- Ans
- A. Kerala
  - B. Himachal Pradesh
  - C. Gujarat
  - D. Tripura

Q.43 Each of F, L, O, W, E, R and S has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

R has exam on Thursday. Only two people have exams between F and R. Only four people have exams between S and F. W has exam on one of the days after F. E has exam on the day immediately before O. L has exam on one of the days after W. Who has exam on Friday?

- Ans
- A. L
  - B. O
  - C. W
  - D. F

Q.44 What will be the positive difference in the population of a town 3 years ago and 2 years ago, if its current population is 450000 and the population has been increasing at a rate of 25% every year?

- Ans
- A. 57050
  - B. 56850
  - C. 57950
  - D. 57600

Q.45 Girish scored 768 marks in an examination and was 60 marks short of 92% of maximum marks. In the same examination, his friend scored 738 marks. What is the percentage of marks scored by his friend?

- Ans
- A. 82%
  - B. 80%
  - C. 79%
  - D. 81%

Q.46 Which of the following countries is NOT a member of the Association of Southeast Asian Nations (ASEAN)?

- Ans
- A. Myanmar
  - B. Thailand
  - C. India
  - D. Indonesia

Q.47 Which of the following is the name of the Ethiopian volcano that erupted in November 2025?

- Ans
- A. Melissa
  - B. Nyiragongo
  - C. Erta Ale
  - D. Hayli Gubbi

Q.48 S is married to R. S is the father of Q. Q has a sister named K and a brother named M. How is K related to R?

- Ans
- A. Son
  - B. Husband
  - C. Daughter
  - D. Wife

Q.49 17 is related to 68 following a certain logic. Following the same logic, 24 is related to 96. 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. 89
  - B. 84
  - C. 77
  - D. 72

Q.50 What should come in place of '?' in the given series?

95 70 54 45 41 ?

- Ans
- A. 40
  - B. 44
  - C. 42
  - D. 38

Q.51 What is the chemical reaction responsible for the leavening of bread, where carbon dioxide is produced?

- Ans
- A. Oxidation-reduction reaction
  - B. Enzymatic reaction
  - C. Acid-base reaction
  - D. Fermentation

Q.52 The primary goal of fiscal policy reforms post-1991 was to \_\_\_\_\_.

- Ans
- A. Stop tax collection
  - B. Ban private banks
  - C. Increase budget deficits
  - D. Reduce fiscal deficit and inflation

Q.53 What is the nature of the roots of the following quadratic equation?

$$x - \frac{1}{x} = 17$$

- Ans
- A. Real and equal
  - B. No real roots
  - C. Real and distinct (irrational)
  - D. Real and distinct (rational)

Q.54 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

UND : SSB  
QXZ : OCX

- Ans
- A. MHV : KMT
  - B. WRK : SWG
  - C. TBE : QFB
  - D. ZQV : VTR

Q.55 Physically, a CPU is placed on one or more microchips known as:

- Ans
- A. Microprocessors
  - B. Integrated circuits (ICs)
  - C. Transistors
  - D. Compact disks

Q.56 The larger of two supplementary angles is  $32^\circ$  more than the smaller. The smaller angle (in degree) is:

- Ans
- A. 75
  - B. 81
  - C. 74
  - D. 76

Q.57 What is the function of the anaphase-telophase transition in mitosis?

- Ans
- A. Separation of chromatids and reformation of the nuclear envelope
  - B. Condensation of chromosomes
  - C. Synthesis of new DNA strands
  - D. Initiation of DNA replication

Q.58 Which Article, added by the 97th Amendment Act, 2011, promotes the professional management of co-operative societies?

- Ans
- A. Article 43B
  - B. Article 48A
  - C. Article 38
  - D. Article 43A

Q.59 The Bhabar and Terai regions of the Great Indian Plains differ primarily in:

- Ans
- A. Influenced by the Himalayan Rivers
  - B. Rainfall and wind direction
  - C. Permeability of soil and groundwater availability
  - D. Human settlement patterns

Q.60 Consider the following statements.

1. Lord Mayo's Resolution of 1870 on financial decentralization visualized the development of local self-government institutions.
2. Hobhouse was the Chairman of the Royal Commission on Decentralization.
3. Under the Government of India Act of 1919, local self-government became a reserved subject.

Which of the above statements is/are correct?

- Ans
- A. 1, 2 and 3
  - B. 1 and 3 only
  - C. 1 and 2 only
  - D. 2 and 3 only

Q.61 In traditional development economics, development primarily meant:

- Ans
- A. Growth of per capita real income
  - B. Rise in national income levels
  - C. Increase in employment opportunities
  - D. Expansion of industrial production

Q.62 Seven people B, C, D, O, P, Q and R are sitting around a circular table facing the center of the table. Only two people sit between R and P when counted from the left of P. Only three people sit between C and O when counted from the left of C. P sits to the immediate right of O. B sits to the immediate right of Q. Who sits fourth to the left of D?

- Ans
- A. P
  - B. Q
  - C. B
  - D. O

Q.63 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?  
QBL 8 EPZ 16 SDN 24 GRB 32 ?

- Ans
- A. CNE 41
  - B. MSY 42
  - C. KDU 42
  - D. UFP 40

Q.64 What is the legal consequence if an Indian citizen voluntarily acquires the citizenship of a foreign country after the commencement of the Constitution?

- Ans
- A. He/She ceases to be an Indian citizen
  - B. Indian citizenship is suspended for three years
  - C. Citizenship is retained subject to conditions
  - D. Dual citizenship is permitted

**Q.65** A right circular cone has a slant height that is 3 times its radius. A plane cuts the cone parallel to the base at a height such that the smaller, upper cone has half the curved surface area of the original cone. If the diameter of the smaller cone is  $6\sqrt{2}$  cm, then what is the radius (in cm) of the original cone?

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

**Q.66** A trader gives 5% discount on the marked price of an article and gives 2 articles free for buying 14 articles and gains 33% in the entire transaction. Assuming a customer pays for 14 articles, the marked price of an article is what percent more than its cost price?

- Ans**
- A. 52%
  - B. 60%
  - C. 68%
  - D. 58%

**Q.67** At the 2025 Asia-Pacific Economic Cooperation (APEC) meeting, Chinese President Xi Jinping proposed the establishment of a global AI governance body. What is the name of this proposed organization?

- Ans**
- A. International AI Forum (IAIF)
  - B. International Artificial Intelligence Organization (IAIO)
  - C. Global AI Council (GAIC)
  - D. World Artificial Intelligence Cooperation Organization (WAICO)

**Q.68** Vishu starts from Point A and drives 31 km towards East. He then takes a left turn, drives 19 km, turns left and drives 34 km. He then takes a left turn and drives 32 km. He takes a final left turn, drives 3 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. 12 km to the South
  - B. 13 km to the South
  - C. 12 km to the North
  - D. 13 km to the North

**Q.69** RAFI is related to TELQ in a certain way based on the English alphabetical order. In the same way, NEGL is related to PIMT. To which of the following is JRTB related, following the same logic?

- Ans**
- A. LVZI
  - B. LVZJ
  - C. KTWE
  - D. ZLKT

**Q.70** 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 cars are tram. All cars are rickshaw. All cars are bus.

**Conclusions:**

(I) All trams are bus.

(II) Some buses are rickshaws.

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

Q.71 A shopkeeper purchased 32 dozens of articles at the rate of ₹102 per dozen. He sold each one of them at the rate of ₹68. What percentage profit did he make?

- Ans
- A. 697%
  - B. 702%
  - C. 700%
  - D. 701%

Q.72 The marks obtained by 11 students in a mathematics test are as follows: 45, 62, 58, 71, 66, 54, 60, 49, 68, 57, 63. What is the median marks?

- Ans
- A. 60
  - B. 66
  - C. 58
  - D. 54

Q.73 Which of the following sectors of the western coastal plain extends between Mumbai and Goa?

- Ans
- A. Konkan Coast
  - B. Coromandal Coast
  - C. Malabar Coast
  - D. Karnataka Coast

Q.74 The least common multiple and the highest common factor of  $\frac{x^{2.5}}{y^{0.5}} \times \sqrt{xy}$  and  $\frac{y^{1.5}}{\sqrt{x}} \times \sqrt{xy}$  are \_\_\_\_ and \_\_\_\_\_, respectively, where X and Y are co-prime integers greater than 1.

- Ans
- A.  $x(xy)^2, x$
  - B.  $y(xy)^2, 1$
  - C.  $y(xy)^2, y$
  - D.  $x(xy)^2, 1$

Q.75 Why did nearly 19% of India face drought or drought-like conditions by August 2025 despite earlier heavy rains?

- Ans
- A. Monsoon onset was delayed across all states.
  - B. A sharp reversal led to severe rainfall deficits in many regions.
  - C. Unusually high temperatures reduced rainfall.
  - D. Excessive river damming caused water shortages.

Q.76 Which ministry in the Indian Government launched Mission Sudarshan Chakra in 2025?

- Ans
- A. Ministry of Science & Technology
  - B. Ministry of Home Affairs
  - C. Ministry of Defence
  - D. Ministry of Electronics & Information Technology

Q.77 Solve the following system of linear equations:

$$u + v + w = 2$$

$$6u + 4v + 5w = 31$$

$$5u + 2v + 2w = 13$$

- Ans
- A.  $u = 1, v = 15, w = -14$
  - B.  $u = 3, v = -15, w = 14$
  - C.  $u = 1, v = 18, w = -17$
  - D.  $u = 3, v = -18, w = 17$

Q.78 Who led the Khasi resistance against British interference in the 1830s?

- Ans
- A. Tirot Sing
  - B. Alluri Sitarama Raju
  - C. Sidhu Murmu
  - D. Rani Gaidinliu

Q.79 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) # F \* G W # C # Y R & @ W Z @ L & L N % # W (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. 5
  - B. 2
  - C. 3
  - D. 4

Q.80 Which of the following Act first provided for the Indian representation in the legislative process?

- Ans
- A. Charter Act, 1853
  - B. Government of India Act, 1858
  - C. Indian Councils Act, 1861
  - D. Pitt's India Act, 1784

Q.81 There are 16 members in group A, 86 members in group B and 21 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 ₹447, ₹396 and ₹158, respectively. The overall average amount (in ₹) spent per member is:

- Ans
- A. 362
  - B. 366
  - C. 367
  - D. 360

Q.82 Evaluate:  $(-9) - (-56) \div (-14) + (-2) \times 6$

- Ans
- A. -24
  - B. -27
  - C. -25
  - D. -28

Q.83 According to the Second Five Year Plan (1956), which sectors of the economy did the Indian government decide to develop and manage directly?

- Ans  A. Heavy industries  
 B. Agricultural sector  
 C. Service sector  
 D. Small businesses

Q.84 If the mode of a data exceeds its mean by 33.6, then the mode exceeds the median by \_\_\_\_\_. (Use empirical formula to find the answer.)

- Ans  A. 22.4  
 B. 23.8  
 C. 20.6  
 D. 19.5

Q.85 A, B, C, Q, R and S 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, which is numbered 6. Q lives on the floor numbered 5. B lives on a floor above Q. Only R lives below C. A lives on an even-numbered floor. How many people live below S?

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

Q.86 The Indian men's hockey team clinched the Asia Cup 2025 title by overcoming which of the following teams 4 - 1 in the final held at the Rajgir Sports Complex in Bihar?

- Ans  A. Pakistan  
 B. Republic of Korea  
 C. Malaysia  
 D. Japan

Q.87 Find the value of  $y$ , satisfying  $18 \times 7 \times 560 \div \sqrt{3136} = y + 703$

- Ans  A. 557  
 B. 556  
 C. 559  
 D. 567

Q.88 Which of the following pairs of author and their work is correctly matched?

- Ans  A. Bankim Chandra Chatterjee – Kamayani  
 B. Munshi Premchand – Madhushala  
 C. Rabindranath Tagore – Anandamath  
 D. Sharat Chandra Chatterjee – Devdas

Q.89 What causes the flow of water to lose its smoothness when a tap is opened wider?

- Ans  A. The water pressure decreases.  
 B. The outflow speed increases, causing turbulence.  
 C. The water temperature changes.  
 D. The density of water changes.

Q.90 Which of the following letter-number clusters will replace the question mark “?” in the given series to make it logically complete?  
ZOB 6, ETG 10, JYL 14, ODQ 18, ?

- Ans
- A. UJW 22
  - B. THU 22
  - C. RHV 24
  - D. TIV 22

Q.91 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 :: ?

# : MNI :: UVQ : %

- Ans
- A. # = OPN % = PBW
  - B. # = RUN % = IOL
  - C. # = RSN % = PQL
  - D. # = RJH % = IQL

Q.92 As per Article 80 of the Constitution of India, which of the following indicates the number of members appointed by the President to the Council of States?

- Ans
- A. Twenty
  - B. Ten
  - C. Twelve
  - D. Fourteen

Q.93 Two concentric circles have radii of 15 cm and 17 cm. Find out the length of the chord of the larger circle that is tangent to the smaller circle.

- Ans
- A. 24 cm
  - B. 8 cm
  - C. 30 cm
  - D. 16 cm

Q.94 The average of three numbers is 20. If two numbers are 13 and 22, the third number is:

- Ans
- A. 26
  - B. 27
  - C. 25
  - D. 24

Q.95 In a certain code language,

A + B means 'A is the sister of B',  
A – B means 'A is the husband of B',  
A × B means 'A is the mother of B' and  
A ÷ B means 'A is the brother of B'.

Based on the above, how is K related to O if 'K + L – M × N + O'?

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

Q.96 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. Q lives on floor which is a prime number. The product of the floors on which Q and R live is 3. Only 2 people live above P. T lives immediately below S. How many people live below U?

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

Q.97 The number  $22.121212\dots$  in the form  $\frac{p}{q}$  where p and q are integers and  $q \neq 0$  is:

- Ans
- A.  $\frac{710}{33}$
  - B.  $\frac{740}{33}$
  - C.  $\frac{730}{33}$
  - D.  $\frac{720}{33}$

Q.98 Refer to the following letter, symbol series and answer the question.

(Left) L U £ P \$ D A Ω F % \* N Q & R # Y @ C K \* & M (Right)

If all the letters are dropped from the series, which of the following will be seventh from the right?

- Ans
- A. @
  - B. %
  - C. \$
  - D. Ω

Q.99 8 is related to 41 following a certain logic. Following the same logic, 81 is related to 406. To which of the following is 13 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. 64
  - B. 66
  - C. 68
  - D. 62

Q.100 If 8, x and 18 are in continued proportion, find the value of x.

- Ans
- A. 18
  - B. 14
  - C. 12
  - D. 8