



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	4:30 PM - 6:00 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 Rohit gets double the amount in 6 years when invested at compound interest, compounded annually. In how many years will the amount become sixteen times itself?

- Ans
- A. 48
 - B. 12
 - C. 96
 - D. 24

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

- Ans
- A. 9
 - B. 8
 - C. 11
 - D. 12

Q.3 In accordance with Article 84 of the Constitution of India, which of the following is the minimum age a person must meet to qualify for membership of the House of the People?

- Ans
- A. Twenty-one years
 - B. Twenty-five years
 - C. Thirty years
 - D. Eighteen years

Q.4 Which facility, inaugurated in 2025 by the ISRO Chairman, became India's first private-sector navigation innovation hub aimed at strengthening self-reliance in advanced navigation systems?

- Ans
- A. Indian Navigation Research and Innovation Centre
 - B. National Hub for Advanced Satellite Navigation
 - C. Ananth Centre of Excellence for Navigation
 - D. Centre for Indigenous Navigation Technologies

Q.5 Which of the following pairs of leaders were closely associated with the signing of the Lucknow Pact of 1916?

- Ans
- A. Dadabhai Naoroji and Surendranath Banerjee
 - B. Lala Lajpat Rai and Bipin Chandra Pal
 - C. Gopal Krishna Gokhale and Annie Besant
 - D. Bal Gangadhar Tilak and Muhammad Ali Jinnah

Q.6 Which of the following is an example of Application Software?

- Ans**
- A. MS Excel
 - B. BIOS
 - C. Linux
 - D. Windows

Q.7 While cooking, if the exterior of the cooking vessel becomes blackened, what does it indicate?

- Ans**
- A. The food inside is undercooked.
 - B. The fuel is fully burned.
 - C. The combustion of the fuel is incomplete.
 - D. The fuel contains moisture.

Q.8 In what duration (in years) will ₹7,200 fetch a simple interest of ₹1,080 at 6% per annum rate of interest?

- Ans**
- A. 1.5
 - B. 5
 - C. 2.5
 - D. 3.5

Q.9 The interference of two identical waves moving in opposite directions produces:

- Ans**
- A. Incident Waves
 - B. Standing Waves
 - C. Longitudinal Waves
 - D. Transversal waves

Q.10 In a race of 1200 metres, Amit gives Bhushan a head-start of 200 metres. Amit starts 20 seconds after Bhushan. Amit overtakes Bhushan 4 minutes after he (Amit) starts running. Amit finishes the race 10 seconds before Bhushan. What is the running speed (in m/s) of Amit?

- Ans**
- A. $3\frac{4}{9}$
 - B. $4\frac{1}{3}$
 - C. $4\frac{4}{9}$
 - D. $3\frac{1}{3}$

Q.11 A pharmaceutical research laboratory purchases analytical testing kits priced at ₹12,000 each. The supplier offers a scheme of "Buy 10 kits, get 2 free," along with a volume discount of 15% on purchases exceeding ₹1,00,000, and an additional 5% institutional discount for research facilities. If the laboratory takes advantage of the complete scheme offer, what is the effective discount percentage they receive on the total value of kits? (Rounded off to two decimal places)

- Ans**
- A. 30.25%
 - B. 35.42%
 - C. 32.71%
 - D. 34.18%

Q.12 In an election between two candidates, 90% of the registered voters cast their vote and 20% of the votes polled were found invalid. Winning candidate got 51% of the valid votes and won the election by a margin of 3870 votes. How many voters were registered?

- Ans
- A. 268720
 - B. 268760
 - C. 268730
 - D. 268750

Q.13 Seven people B, C, D, O, P, Q and R are sitting around a circular table facing the center of the table. D sits fourth to the right of O. Only two people sit between D and B when counted from the left of D. B sits third to the right of C. Q is an immediate neighbor of B and R. How many people sit between P and Q when counted from the right of P?

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

Q.14 Five circles are placed adjacent to one another and have lines M1 and M2 as their common tangents. If the radius of the largest circle is 9 units and that of the smallest circle is 4 units, then what is the radius of the middle circle (in units)?

- Ans
- A. 8
 - B. 6
 - C. 5
 - D. 10

Q.15 Find the solution (x, y, z) for the following system of equations:

$$\begin{aligned} x - y + z &= 2; \\ 2x - y - z &= -6; \\ 2x + 2y + z &= -3 \end{aligned}$$

- Ans
- A. (-2, -1, 3)
 - B. (2, -1, 3)
 - C. (-2, -1, -3)
 - D. (-2, 1, 3)

Q.16 In MS-Excel, if cells A1, A2 and A3 contain the values 2, 3 and 2 respectively, what is the result of the formula =A1*A2 + A2/A3?

- Ans
- A. 6
 - B. 9
 - C. 7.5
 - D. 8

Q.17 Which of the following is a correct definition of the word 'tributary'?

- Ans
- A. A river flowing into a larger river
 - B. A body of salty water mixing with river water
 - C. A lake at the rivers mouth
 - D. A river branching away from another

Q.18 Which Bill, assented to by the President of India in 2025, consolidates civil nuclear laws and allows private sector participation?

- Ans
- A. National Policy for Nuclear Energy Expansion with Private Participation Bill
 - B. Civil Nuclear Governance and Private Sector Participation Framework Bill
 - C. Atomic Energy Reform and Private Participation in Nuclear Power Bill
 - D. Sustainable Harnessing and Advancement of Nuclear Energy for Transforming India (SHANTI) Bill

Q.19 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/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.)

(252, 80, 172)
(170, 55, 115)

- Ans A. (212, 72, 130)
 B. (195, 95, 100)
 C. (180, 53, 137)
 D. (236, 105, 141)

Q.20 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 phones are mobiles. No mobile is a pager. No mobile is a walkie-talkie.

Conclusions:

(I) No phone is a pager.

(II) Some walkie-talkies are pagers.

- 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.

Q.21 Which international agreement did India reaffirm its commitment to during the 2025 climate summit?

- Ans A. Paris Agreement
 B. Kyoto Protocol
 C. Basel Convention
 D. Montreal Protocol

Q.22 Which wildlife sanctuary in Madhya Pradesh was announced in October 2025 to be developed as the third cheetah habitat in the state?

- Ans A. Kuno National Park
 B. Gandhi Sagar Wildlife Sanctuary
 C. Nauradehi Wildlife Sanctuary
 D. Madhav National Park

Q.23 When was the Pradhan Mantri Gram Sadak Yojna launched?

- Ans A. 1991
 B. 2008
 C. 2014
 D. 2000

Q.24 Siddharth, Lata, and Vivek invest ₹1570, ₹1760, and ₹1620 respectively to start a business. If the profit at the end of the year is ₹1540, then what is the share of Vivek in the profit?

- Ans A. ₹503
 B. ₹501
 C. ₹504
 D. ₹506

Q.25 Which of the following is a legislative reform aimed at modernizing India's aviation sector by re-enacting the Aircraft Act, 1934, in alignment with contemporary needs and global standards?

- Ans**
- A. The Carriage by Air (Amendment) Act, 2022
 - B. Bharatiya Vayuyan Adhiniyam, 2024
 - C. Aircraft (Security) Rules, 2020 & Amendments (2022)
 - D. Protection of Interests in Aircraft Objects Act, 2023

Q.26 In 2025, India was re-elected to the Council of which organization for the 2026–27 term under Category B?

- Ans**
- A. International Civil Aviation Organization
 - B. World Trade Organization
 - C. International Seabed Authority
 - D. International Maritime Organization (IMO)

Q.27 J, K, L, R, S and T 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. Only two people live between R and J. Only two people live between T and K. No one lives above T. J lives below K but above S. How many people live below L?

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

Q.28 A person born in India between 26 January 1950 and 1 July 1987 is automatically considered a citizen of India by:

- Ans**
- A. descent
 - B. naturalisation
 - C. registration
 - D. birth

Q.29 DUMB is related to FXOE in a certain way based on the English alphabetical order. In the same way, LGUN is related to NJWQ. To which of the following options is RPAW related, following the same logic?

- Ans**
- A. TCXS
 - B. TZCS
 - C. TCDS
 - D. TSCZ

Q.30 Consider the following statements.
 1. As per Article 167, it is the duty of the Chief Minister to communicate to the Governor all decisions of the Council of Ministers.
 2. Article 165 states that the Governor administers the oaths of office and secrecy to ministers.
 3. Article 163 provides for a Council of Ministers headed by the Chief Minister to aid and advise the Governor, except in discretionary matters.
 Which of the above statements are correct?

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

Q.31 The prices of articles of types P, Q, and R are ₹280, ₹180 and ₹120, respectively. Tejas buys these articles in the ratio 3 : 2 : 5 for a total of ₹12,600. How many articles of type Q did he purchase?

- Ans
- A. 15
 - B. 14
 - C. 7
 - D. 13

Q.32 The administration of the Mauryan Empire is described in which ancient text?

- Ans
- A. Arthashastra
 - B. Rigveda
 - C. Manusmriti
 - D. Mahabharata

Q.33 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 ÷ H x J'?

- Ans
- A. Wife's father's brother's daughter
 - B. Wife's mother's brother's wife
 - C. Wife's father's brother's wife
 - D. Wife's mother's brother's daughter

Q.34 A typist takes 40 minutes to type 2 pages. How long (in minutes) will he take to type 90 pages?

- Ans
- A. 1805
 - B. 1810
 - C. 1790
 - D. 1800

Q.35 Who was the first Indian badminton player to win an Olympic medal?

- Ans
- A. PV Sindhu
 - B. PT Usha
 - C. Saina Nehwal
 - D. Sania Mirza

Q.36 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8634157, which of the following digits will be second from the left?

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

Q.37 Simplify the following expression:

$$\left(\frac{5}{6} \text{ of } 1.8\right) + \left(\frac{3}{4} \div 0.25\right).$$

- Ans
- A. 4.5
 - B. 3.75
 - C. 4.25
 - D. 4

Q.38 How do subordinate courts support the overall judicial system in India?

- Ans A. By providing accessible, prompt, and localized justice
 B. By exclusively handling appeals
 C. By enacting new legislation
 D. By centralizing legal power in the higher judiciary

Q.39 Based on the 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. RNU
 B. EAG
 C. HDK
 D. TPW

Q.40 What should come in place of the question mark (?) in the given series?

23 24 32 59 123 ?

- Ans A. 218
 B. 248
 C. 168
 D. 198

Q.41 What was the dominant type of economy in the Harappan heartland?

- Ans A. Hunting-gathering
 B. Agro-pastoral
 C. Spiritual-centric
 D. Trade-based economy

Q.42 There are 25 members in group A, 26 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 ₹137, ₹443 and ₹461, respectively. The overall average amount (in ₹) spent per member is:

- Ans A. 347
 B. 342
 C. 344
 D. 339

Q.43 A right circular cone has the ratio of slant height to radius is 29:20. The volume of the cone is $\frac{24192}{5}\pi$ cm³.

The curved surface area (in cm²) of cone is

- Ans A. 823.4π
 B. 832.3π
 C. 829.5π
 D. 835.2π

Q.44 In a certain code language, 'food is delicious' is coded as 'ga dc vr' and 'harry loves food' is coded as 'dc hu bw'. How is 'food' coded in that language?

- Ans A. bw
 B. ga
 C. vr
 D. dc

Q.45 The average of the first 63 even natural numbers is:

- Ans A. 64
 B. 65
 C. 63
 D. 62

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:

Some towns are districts. No district is a state. No state is a city.

Conclusions:

(I) No town is a state.

(II) No district is a city.

- 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

Q.47 Two trains are moving in opposite directions at speeds of 130 km/hr and 70 km/hr. The length of one train is 130 m. The time taken by them to cross each other is 14 seconds. The length (in m) of the other train (rounded off to 2 decimal places) is:

- Ans A. 647.78
 B. 650.67
 C. 646.47
 D. 649.6

Q.48 Who was the leader of the Paika Rebellion of 1817, a significant early armed resistance against British East India Company rule in Odisha?

- Ans A. Bakshi Jagabandhu
 B. Sidhu Murmu
 C. Chittu Singh
 D. Alluri Sitarama Raju

Q.49 In a certain code language, 'ALIT' is coded as '2159' and 'HILT' is coded as '6912'. What is the code for 'H' in the given code language?

- Ans A. 6
 B. 2
 C. 9
 D. 1

Q.50 In which Indian state is the percussion instrument Davandi primarily found?

- Ans A. Kerala
 B. Odisha
 C. Tamil Nadu
 D. Punjab

Q.51 If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 8263451, how many digits will appear more than once in the new number thus formed?

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

Q.52 In which year was Bal Gangadhar Tilak arrested by the British authorities for writing a seditious article in the newspaper 'Kesari'?

- Ans
- A. 1907
 - B. 1908
 - C. 1909
 - D. 1910

Q.53 What does the Food for Work Programme aim to provide to the rural poor of backward districts?

- Ans
- A. Free electricity and water supply
 - B. Supplementary wage employment
 - C. Free education and training abroad
 - D. Access to private healthcare schemes

Q.54 Which of the following elements is a gas at room temperature and belongs to Group 17 of the periodic table?

- Ans
- A. Iodine
 - B. Astatine
 - C. Bromine
 - D. Fluorine

Q.55 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. Anuj, Bhavesh, Chirag, Darshan, and Eklavya - each have different height. Who is the tallest?

(I) Chirag is taller than Anuj and Bhavesh but shorter than Darshan.

(II) Eklavya is taller than Chirag but shorter than Darshan.

- 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 are NOT 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 (and not statement I alone or statement II alone) are sufficient to answer the question

Q.56 A student finishes typing a paragraph and wants to make a copy of a sentence to use later in the document. She first selects the sentence. Which shortcut should she press next?

- Ans
- A. Ctrl + V
 - B. Ctrl + C
 - C. Ctrl + F
 - D. Ctrl + S

Q.57 In December 2025, enforcement of a statewide prohibition on physical and emotional punishment in schools, in accordance with the provisions of the Right to Education Act, 2009, was carried out by which of the following states?

- Ans
- A. Punjab
 - B. Manipur
 - C. Kerala
 - D. Maharashtra

Q.58 P sells an item to Q at 40% profit. Q sells the same item to R at 50% loss. If R paid ₹ 6895 for the item, then at what price (in ₹) is the item purchased by P?

- Ans
- A. 9849
 - B. 9852
 - C. 9850
 - D. 9848

Q.59 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?
SWD 9 HLS 12 WAH 16 LPW 21 ?

- Ans**
- A. CIK 30
 - B. KDT 27
 - C. AKM 32
 - D. AEL 27

Q.60 If the mean of the following data is 47, find the value of X.

Class	30-40	40-50	50-60	60-70	70-80
Frequency	49	33	24	21	X

- Ans**
- A. 3
 - B. 27
 - C. 23
 - D. 8

Q.61 The appointing authority for the Chairman and members of a State Public Service Commission under Article 316 of the Constitution of India is:

- Ans**
- A. The Chief Minister of the State
 - B. The President of India
 - C. The Governor of the State
 - D. The Speaker of the State Assembly

Q.62 Which of the following is a non-metallic natural resource?

- Ans**
- A. Limestone
 - B. Gold
 - C. Copper
 - D. Iron ore

Q.63 Which of the following is a clear example of potential energy?

- Ans**
- A. A burning candle
 - B. A moving car
 - C. A falling rock
 - D. A stretched rubber band

Q.64 Which of the following states/UT in India had the literacy rate above 80% as per Census 2011?

- Ans**
- A. Tamil Nadu and Assam
 - B. Sikkim and Odisha
 - C. Himachal Pradesh and Haryana
 - D. Goa and Tripura

Q.65 LEKO is related to OIPU in a certain way based on the English alphabetical order. In the same way, CANQ is related to FESW. To which of the following is EIJS related, following the same logic?

- Ans**
- A. LLPP
 - B. NOPA
 - C. HMOY
 - D. MNPZ

Q.66 Due to a decrease in manpower, production in a factory falls by 52%. By what percentage should the working hours be increased to restore the original level of production?

- Ans
- A. $104\frac{2}{3}\%$
 - B. 48%
 - C. $108\frac{1}{3}\%$
 - D. 52%

Q.67 Which of the following best explains the difference between weather and climate?

- Ans
- A. Weather and climate mean exactly the same phenomenon
 - B. Weather refers to long-term trends; climate refers to short-term changes
 - C. Weather is permanent in nature; climate is temporary in nature
 - D. Weather refers to short-term changes; climate refers to long-term patterns

Q.68 In 2025, which city hosted the 3rd Council Meeting of the International Organization for Marine Aids to Navigation (IALA), organised by the Directorate General of Lighthouses and Lightships?

- Ans
- A. Chennai
 - B. Visakhapatnam
 - C. Mumbai
 - D. Kolkata

Q.69 By selling an article at $\frac{5}{12}$ of its actual selling price, Akash incurs a loss of 20%.

If he sells it at 80% of its actual selling price, then the profit percentage is

- Ans
- A. 52.9%
 - B. 55.3%
 - C. 52.3%
 - D. 53.6%

Q.70 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 B and G. Only D is kept above E. No box is kept below G. A is kept at some place below F but at some place above C. How many boxes are kept above C?

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

Q.71 Which of the following countries was NOT among the top three in the Global AI Vibrancy Index 2024?

- Ans
- A. India
 - B. China
 - C. United States
 - D. United Kingdom

Q.72

If $\sin A = \frac{3}{5}$, then find the value of $\sqrt{\frac{11 + 3\operatorname{cosec}A}{4 - 5\sin A}}$.

- Ans
- A. 3
 - B. 4
 - C. $\sqrt{3}$
 - D. $\sqrt{2}$

Q.73 What is the maximum total duration for which President's Rule can continue in a State under Article 356, subject to parliamentary approvals and constitutional conditions?

- Ans
- A. Up to two years
 - B. Up to one year
 - C. Up to three years
 - D. Up to four years

Q.74 Refer to the given letter, symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) K Y C K & A A C P N P Y M R B # + J \$ & ^ (Right)

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

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

Q.75 What will be the maximum value of the quadratic expression $10(x - 1) - 5x^2 + 4(2 - x) + 8$?

- Ans
- A. 8.7
 - B. 7.8
 - C. 6.9
 - D. 9.6

Q.76 A, B, C, D, E and F 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. Only one person lives above D. Only two people live between A and D. F lives immediately above B. E does not live above D. How many people live below C?

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

Q.77 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 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.)
16, 62
21, 82

- Ans A. 23, 94
 B. 24, 95
 C. 24, 94
 D. 23, 95

Q.78 Which of the following best describes an operating system?

- Ans A. A program used to watch videos
 B. A program used to access the internet
 C. A program that manages memory, processes, and devices
 D. A program used for data entry

Q.79 100 men have provisions for 27 days. If 40 men have left, for how many days the same provisions would last for the remaining men?

- Ans A. 47
 B. 43
 C. 45
 D. 49

Q.80 Line PQ is parallel to line RS and a transversal AB intersects PQ at C and RS at D.
If $\angle ACQ = (6x)^\circ$, $\angle QCD = (5x + y)^\circ$ and $\angle BDS = (2x + 3y)^\circ$, find the measure of $\angle QCD$.

- Ans A. 93.6°
 B. 84.5°
 C. 102°
 D. 110°

Q.81 The liberalization of the Indian economy in 1991 led to which of the following fiscal outcomes?

- Ans A. Higher import duties
 B. Lowering of direct and indirect tax rates
 C. Sharp increase in Government control over pricing
 D. Elimination of all public debt

Q.82 Kalamkari painting involves the use of which instrument for drawing outlines?

- Ans A. Stylus
 B. Bamboo pen
 C. Needle
 D. Paintbrush

Q.83 If $a = x + \frac{2}{x}$ and $b = x - \frac{2}{x}$, then find the value of $a^4 + b^4 - 2a^2b^2$.

- Ans A. 36
 B. 64
 C. 16
 D. 49

Q.84 In which year was the Ranji Trophy first held?

- Ans A. 1926–27
 B. 1934–35
 C. 1950–51
 D. 1947–48

Q.85 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, 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 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.)
 15 - 75 - 80 - 160; 16 - 80 - 85 - 170

- Ans A. 20-100-105-220
 B. 18-80-85-170
 C. 17-85-90-180
 D. 13-75-80-160

Q.86 In a certain code language,
 A + B means 'A is the daughter of B'
 A - B means 'A is the mother 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 G related to M if 'G + R - W x D ÷ M'?

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

Q.87 What is the mean of the following distribution?

Marks	16	21	47	80	99
No. of Students	24	38	26	32	13

- Ans A. 67
 B. 47
 C. 74
 D. 71

Q.88 Nikhil starts from Point A and drives 84 km towards North. He then takes a left turn, drives 80 km, turns left and drives 83 km. He then takes a left turn and drives 90 km. He takes a final right turn, drives 1 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-degree turns only, unless specified.)

- Ans A. 12 km to the east
 B. 11 km to the west
 C. 13 km to the east
 D. 10 km to the west

Q.89 A and B start a business by investing capitals in the ratio 5:7. After 4 months, C joins the business with a capital equal to half of B's capital. After 8 months from the start, A withdraws 40% of his capital, while B continues with the same investment. At the end of one year, the total profit is ₹27,675. The share of profit of B (in ₹) is:

- Ans
- A. 17,175
 - B. 14,175
 - C. 16,175
 - D. 15,175

Q.90 Evaluate: $(-9) - (-56) \div (-14) + (-3) \times 7$

- Ans
- A. -37
 - B. -36
 - C. -34
 - D. -33

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 :: ?

: MIN :: RNS : %

- Ans
- A. # = OKP , % = PLQ
 - B. # = OKP , % = PLR
 - C. # = OKP , % = PMQ
 - D. # = OKO , % = PLQ

Q.92 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. SUR
 - B. NPL
 - C. DFB
 - D. QSO

Q.93 What should come in place of '?' in the given series?

55 56 60 69 85 ?

- Ans
- A. 108
 - B. 110
 - C. 104
 - D. 112

Q.94 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
IJM 77 PQT 69 WXA 61 DEH 53 ?

- Ans
- A. KMN 45
 - B. KKN 44
 - C. KLO 45
 - D. KSB 44

Q.95 The total surface area of a cube having side 91 cm is:

- Ans
- A. 49668 cm²
 - B. 49716 cm²
 - C. 49666 cm²
 - D. 49686 cm²

Q.96 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only

(Left) € A © D R & I % B B V @ A J \$ £ * S B £ N L (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. 1
 - B. 0
 - C. 3
 - D. 2

Q.97 Which of the following separates the Andaman from Nicobar Islands?

- Ans
- A. Nine Degree Channel
 - B. Six Degree Channel
 - C. Palk Strait
 - D. Ten Degree Channel

Q.98 Seven people, B, C, O, P, Q, R and S, are sitting in a straight line, facing north. Only three people sit to the left of S. Only three people sit between B and O. Only four people sit between Q and O, none of whom sit at the left end. C sits immediately to the left of R. How many people sit between P and R?

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

Q.99 Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only.

(Left) R # L ? V ! M S + N - \$ O T * P / < Q U (Right)

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

- Ans
- A. THREE
 - B. ONE
 - C. TWO
 - D. FOUR

Q.100 The HCF and LCM of two numbers are 5 and 180 respectively. If one number is 45, what is the other number?

- Ans
- A. 36
 - B. 40
 - C. 20
 - D. 25