



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	25/03/2026
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 Two tangents, AB and AC, are drawn on a circle from an external point A, which is 6 cm away from its centre O. If the radius of the circle is 3 cm, then what is the measure of angle OBC?

- Ans A. 30°
 B. 100°
 C. 60°
 D. 120°

Q.2 Select the INCORRECT statement about the polices of Jalaluddin Khalji.

- Ans A. He avoided harsh punishments, even to those who revolted against him.
 B. He put forward the view that the state should never be based on the willing support of the governed.
 C. He not only forgave those who revolted against him but at times even rewarded them to win their support.
 D. He tried to win the goodwill of the nobility by a policy of tolerance.

Q.3 In a certain code language,
 A + B means 'A is the mother of B'
 A - B means 'A is the brother of B'
 A x B means 'A is the wife of B'
 A % B means 'A is the father of B'
 A # B means 'A is the daughter of B'

Based on the above, how is D related to E if 'D x N % P + K # E'?

- Ans A. Wife's father
 B. Daughter's husband
 C. Wife's mother
 D. Daughter's daughter

Q.4 If 9 students can prepare 117 charts in 3 hours, how many students are needed to prepare 208 charts in 1 hour?

- Ans A. 42 students
 B. 48 students
 C. 46 students
 D. 45 students

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Q.5 What do you mean by .wma file on the computer?

- Ans
- A. Windows Media Audio format
 - B. WiFi Media Audio format
 - C. Wired Media Audio format
 - D. Wireless Media Audio format

Q.6 If the mean proportional between x and 36 is 18, what is the value of x ?

- Ans
- A. 12
 - B. 18
 - C. 9
 - D. 6

Q.7 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 one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- A. JNT
 - B. LPU
 - C. WAF
 - D. DHM

Q.8 Refer to the following letter, number, symbol series and answer the question. Counting to be done from left to right only. (All numbers are single digit numbers only)

(Left) G & R E 5 K % 7 @ 2 S & 6 C T # 3 4 Y * D (Right)

How many such symbols are there which are immediately preceded by a letter and also immediately followed by a number?

- Ans
- A. None
 - B. Two
 - C. Three
 - D. One

Q.9 Which of the following Indian regions shows least contribution to the formal tertiary sector despite large population and urban centers?

- Ans
- A. Northeastern India
 - B. Western India
 - C. Northern India
 - D. Southern India

Q.10 Consider the following statements.

1. Before the Prime Minister enters upon his office, the President administers to him the oaths of office and secrecy.
 2. The President can dismiss the Prime Minister at any time in an arbitrary way.
 3. If the Prime Minister loses the confidence of the Lok Sabha, he must resign or the President can dismiss him.
- Which of the above statements is/are correct?

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

Q.11 Sharad is two times 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 28 years, find Sharad's present age, in years.

- Ans
- A. 26
 - B. 20
 - C. 22
 - D. 18

Q.12 Find the value of y , satisfying $22 \times 3 \times 816 \div \sqrt{2601} = y + 794$

- Ans
- A. 258
 - B. 262
 - C. 270
 - D. 256

Q.13 Trisha and Riya started a partnership business, investing some amount in the ratio of 8 : 5. Poorva joined then after six months with an amount equal to that of Riya. In what ratio should the profit at the end of one year be distributed among Trisha, Riya and Poorva?

- Ans
- A. 19 : 15 : 8
 - B. 15 : 5 : 2
 - C. 16 : 10 : 5
 - D. 17 : 7 : 3

Q.14 A shopkeeper professes to sell his goods at a 45% loss but uses a false balance and gains 50%. The actual weight (rounded off to one decimal place) that he uses instead of 1 kg is:

- Ans
- A. 369.3 gm
 - B. 368.6 gm
 - C. 366.7 gm
 - D. 365.2 gm

Q.15 Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

TWU 89 YBZ 81 DGE 73 ILJ 65 ?

- Ans
- A. NPN 56
 - B. NQU 56
 - C. NRN 57
 - D. NQO 57

Q.16 In a certain code language, 'SEMI' is coded as '3615' and 'TIME' is coded as '1523'. What is the code for 'T' in the given code language?

- Ans
- A. 3
 - B. 1
 - C. 5
 - D. 2

Q.17 If $3A = 4B = 8C$, what is $A : B : C$?

- Ans
- A. 6 : 3 : 8
 - B. 8 : 6 : 3
 - C. 8 : 4 : 3
 - D. 6 : 8 : 3

Q.18 Choose the correct statement regarding the process of photosynthesis in plants.

- Ans A. It primarily takes place during the night to conserve water.
 B. It converts light energy into chemical energy.
 C. It occurs in the mitochondria of plant cells.
 D. It involves the breakdown of glucose to produce energy.

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 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, 24, 7)
(12, 14, 5)

- Ans A. (7, 5, 3)
 B. (12, 5, 3)
 C. (3, 4, 1)
 D. (12, 5, 4)

Q.20 Which material was mainly used for making beads and seals in Harappan civilization?

- Ans A. Steatite
 B. Ivory
 C. Gold
 D. Terracotta

Q.21 Which of the following Acts provides statutory status to Lok Adalats in India?

- Ans A. The Arbitration and Conciliation Act, 1996
 B. The Indian Constitution
 C. The Legal Services Authorities Act, 1987
 D. The Civil Procedure Code, 1908

Q.22 Which of the following best describes the tendency of undisturbed objects to remain at rest or to keep moving with the same velocity?

- Ans A. Force
 B. Acceleration
 C. Momentum
 D. Inertia

Q.23 A manufacturer is making conical paper cups of height 24 cm and radius 7 cm. How much paper (in m^2 correct up to 2 decimal places) is needed to make 1000 such cups? (Take $\pi = 3.14$)

- Ans A. 71.34 m^2
 B. 70.34 m^2
 C. 80.34 m^2
 D. 54.95 m^2

Q.24 DMKZ is related to EKNV in a certain way based on the English alphabetical order. In the same way, LOJT is related to MMMP. To which of the following is SRLQ related, following the same logic?

- Ans A. TPIU
 B. TONL
 C. TPOM
 D. TTNP

Q.25 The total surface area of a solid hemisphere is 200 cm^2 . Its radius (in cm) is:

$$\left(\text{Take } \pi = \frac{22}{7} \right)$$

Ans

A. $\sqrt{\frac{703}{33}}$

B. $\sqrt{\frac{710}{33}}$

C. $\sqrt{\frac{692}{33}}$

D. $\sqrt{\frac{700}{33}}$

Q.26 Which Act introduced uniform reporting standards for banks to the Reserve Bank of India in 2025?

Ans

A. The Reserve Bank of India Act, 1934

B. The State Bank of India Act, 1955

C. The Banking Regulation Act, 1949

D. The Banking Laws (Amendment) Act, 2025

Q.27 What major climate agreement was discussed during the United Nations Climate Change Conference in November 2025?

Ans

A. Paris Agreement

B. Kyoto Protocol

C. Glasgow Pact

D. Montreal Accord

Q.28 There are 69 members in group A, 65 members in group B and 88 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 ₹468, ₹120 and ₹276, respectively. The overall average amount (in ₹) spent per member is:

Ans

A. 286

B. 288

C. 290

D. 294

Q.29 Two trains are running with the speed of 49 km/hr and 59 km/hr towards each other on parallel tracks. Their lengths are 349 m and 371 m, respectively. In how much time (in seconds) will they completely pass each other?

Ans

A. 42

B. 30

C. 24

D. 34

Q.30 Which characteristic of computers enables them to perform various tasks such as calculations, graphics, and communication?

Ans

A. Speed

B. Versatility

C. Accuracy

D. Automation

Q.31 A ladder 28 meters long leans against a wall, making an angle of 60° with the ground. Find the height at which the ladder touches the wall. (Use $\sqrt{3} = 1.74$)

- Ans
- A. 21.5 m
 - B. 22.65 m
 - C. 24.36 m
 - D. 23.8 m

Q.32 Under the Merchandise Exports from India Scheme (MEIS), exporters are rewarded in the form of:

- Ans
- A. Freely transferable Duty Credit Scrips
 - B. Non-transferable cash vouchers
 - C. Export tax rebates that expire on use
 - D. Equity shares in export-oriented units

Q.33 At what rate per annum will a sum of money become five times itself in 4 years under simple interest?

- Ans
- A. 200%
 - B. 100%
 - C. 98%
 - D. 102%

Q.34 Who is the author of the memoir 'Mother Mary Comes to Me' released in September 2025?

- Ans
- A. Arundhati Roy
 - B. Vikram Seth
 - C. Jhumpa Lahiri
 - D. Chetan Bhagat

Q.35 If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 48572613, what will be the product of the greatest and smallest digit in the new number thus formed?

- Ans
- A. 8
 - B. 9
 - C. 18
 - D. 0

Q.36 Who authored 'The Indian War of Independence 1857'?

- Ans
- A. Mahatma Gandhi
 - B. Vinayak Damodar Savarkar
 - C. Bal Gangadhar Tilak
 - D. Jawaharlal Nehru

Q.37 According to the Constitution (One Hundred and Sixth Amendment) Act, 2023, what proportion of seats to be filled by direct election in the House of the People (Lok Sabha) is to be reserved for women?

- Ans
- A. One-third of the seats
 - B. One-half of the seats
 - C. One-quarter of the seats
 - D. Two-thirds of the seats

Q.38 100 men have provisions for 27 days. If 50 men have left, for how many days the same provisions would last for the remaining men?

- Ans
- A. 56
 - B. 52
 - C. 58
 - D. 54

Q.39 According to the Ministry of Commerce and Industry, Government of India, which of the following states was the major groundnut exporting state of India in 2020-2021?

- Ans
- A. Madhya Pradesh
 - B. Maharashtra
 - C. Gujarat
 - D. Bihar

Q.40 C, D, N, O, P and Q 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. No one lives above D. Only two people live between D and C. Only two people live between O and Q. Q lives below C but above N. How many people live between P and N?

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

Q.41 Which Harappan city, flourishing around 2500 BCE, is especially known for its Great Bath and advanced grid-pattern streets?

- Ans
- A. Dholavira
 - B. Lothal
 - C. Mohenjodaro
 - D. Kalibangan

Q.42 In a certain code language,
 $A + B$ means 'A is the daughter 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 ' $D - F + G \div H \times J$ '?

- Ans
- A. Wife's brother
 - B. Wife's father
 - C. Father
 - D. Brother

Q.43 A, B, C, D, E, F and G sit around a circular table, facing the centre. Only two people sit between F and B when counted from the left of B. G sits third to the left of E. A sits to the immediate right of E. A sits second to the left of F. D is an immediate neighbour of G. How many people sit between A and G when counted from the right of G?

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

Q.44 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.

FKM:IMN
BAL:ECM

- Ans A. OME:ROF
 B. IKE:KMF
 C. OSH:PUI
 D. RTP:SUQ

Q.45 A shopkeeper fixes the marked price of an item 160% above its cost price. What percentage of discount on marked price should be allowed to gain 30%?

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

Q.46 What should come in place of the question mark (?) in the given series?

65 40 24 15 11 ?

- Ans A. 12
 B. 9
 C. 10
 D. 6

Q.47 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 tallest?

Statements:

(I) M is shorter than T but taller than L.

(II) L is taller than V but shorter than N.

- Ans A. Both statements I and II together are NOT 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 (and not statement 1 alone or statement II alone) are sufficient to answer the question

Q.48 Each of F, G, H, I, M, N and O has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. G has exam on Thursday, and H has exam on Saturday. N has exam immediately before F. M has exam on one of the days after I. O has exam immediately after F. How many people have exams between M and O?

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

Q.49 Which launch vehicle was announced in 2025 as having been built entirely by the private sector for the first time in India and was set to place the Oceansat satellite into orbit?

- Ans A. Polar Satellite Launch Vehicle (PSLV)
 B. Small Satellite Launch Vehicle (SSLV)
 C. Launch Vehicle Mark-3 (LVM3)
 D. Geosynchronous Satellite Launch Vehicle (GSLV)

Q.50 If $a + \frac{1}{a} = 3$, then find the value of $a^6 + \frac{1}{a^6}$.

- Ans
- A. 324
 - B. 321
 - C. 323
 - D. 322

Q.51 Find the value of m, satisfying equation:

$$\left(\frac{28}{9}\right)^{11} \times \left(\frac{9}{28}\right)^{16} \times \left(\frac{28}{9}\right)^{17} = \left(\frac{9}{28}\right)^{2m+8}$$

- Ans
- A. -10
 - B. -9
 - C. 1
 - D. -26

Q.52 In a certain code language, 'CARD' is coded as '6135' and 'DRAW' is coded as '1765'. What is the code for 'W' in that language?

- Ans
- A. 6
 - B. 1
 - C. 7
 - D. 5

Q.53 Which of the following best describes the Mahar Movement in Maharashtra?

- Ans
- A. A tribal uprising against British forest laws
 - B. A peasant movement against zamindari exploitation
 - C. A religious reform movement aimed at purifying Hindu rituals
 - D. A socio-political movement for Dalit rights and social equality

Q.54 This question is based on the five, three-digit numbers given below.

(Left) 187 167 173 257 199 (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 second highest number is added to the third digit of the second lowest number?

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

Q.55 Which treaty was signed on 17 July 2025 between the United Kingdom and Germany, marking their first bilateral treaty since the Second World War?

- Ans
- A. Lancaster House 2.0
 - B. Maastricht Treaty
 - C. Kensington Treaty
 - D. Northwood Declaration

Q.56 Rahul walks a distance of 6 km towards North, then turns to his left and walks for 3 km. He again turns left and walks for 6 km. At this point, he turns to his left and walks for 6 km. How far is he from his starting point? (All turns are 90-degree turns only, unless specified.)

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

Q.57 How many main approaches are there to human development?

- Ans A. Five: income, welfare, capabilities, rights-based, and sustainability approaches
 B. Six: income, welfare, basic needs, capabilities, rights-based, participatory approaches
 C. Four: income, welfare, minimum needs, and capabilities approaches
 D. Three: income, welfare, and capability approaches

Q.58 Simplify $\frac{(555 + 444)^2 + (555 - 444)^2}{555 \times 555 + 444 \times 444}$.

- Ans A. 1000
 B. 2
 C. 111
 D. 999

Q.59 For equation $(2m-3)x^2 + (m+1)x + 5 = 0$ to represent a quadratic equation, which of the following must be definitely true?

- Ans A. $m = -1$
 B. $m = \frac{-3}{2}$
 C. $m \neq 2$
 D. $m \neq \frac{3}{2}$

Q.60 Which among the following changes were made in the Indian Constitution by the 42nd Constitutional Amendment Act ?

- Ans A. Nationalization of Land Ceiling Laws.
 B. Introduction of Fundamental Duties under Article 51A.
 C. Inserted Right to Privacy in the Article 21 of Indian Constitution.
 D. Increased Lok Sabha seats from 525 to 545.

Q.61 Which of the following Articles was inserted into the Directive Principles of State Policy of the Indian Constitution by the Constitution (Ninety-seventh Amendment) Act of 2011?

- Ans A. Article 48A - Protection and improvement of environment and safeguarding of forests and wild life
 B. Article 43A - Participation of workers in management of industries
 C. Article 43B - Promotion of co-operative societies
 D. Article 39A - Equal justice and free legal aid

Q.62 Which of the following instruments is used to measure the intensity of earthquakes?

- Ans A. Barometer
 B. Tiltmeter
 C. Anemometer
 D. Seismograph

Q.63 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.)

14, 69
18, 89

- Ans A. 22, 109
 B. 22, 108
 C. 21, 108
 D. 21, 109

Q.64 Gopal has ₹1394 with him. He divides this amount between his two sons, Akshay and Arjun, and asks them to invest their respective shares at a compound interest rate of 5% per annum, compounded annually. It is observed that Akshay's investment amounts to the same value after 16 years as Arjun's investment does after 17 years. How much (in ₹) did Gopal give to Arjun?

- Ans A. 680
 B. 814
 C. 530
 D. 714

Q.65 According to the 2025 Human Development Report, what was India's Human Development Index (HDI) value for the year 2023?

- Ans A. 0.685
 B. 0.672
 C. 0.676
 D. 0.683

Q.66 Which of the following three river systems are primarily responsible for the formation of the Northern Plains of India?

- Ans A. Narmada, Tapti, Kaveri
 B. Mahanadi, Ganga, Brahmaputra
 C. Indus, Ganga, Brahmaputra
 D. Krishna, Godavari, Yamuna

Q.67 Which of the following is an example of application software that depends entirely on system software to function?

- Ans A. Linux Kernel
 B. BIOS
 C. Microsoft Word
 D. Ubuntu

Q.68 Seven people B, C, O, P, Q, R and S are sitting around a circular table facing the center of the table. Only one person sits between P and R when counted from the right of R. P sits third to the left of S. O sits third to the left of B. C is an immediate neighbor of both R and S. How many people sit between Q and C when counted from the right of Q?

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

Q.69 Which of the following officials in the Mauryan administration was primarily responsible for supervising state agriculture and cultivation on crown lands?

- Ans
- A. Panyadhyaksha
 - B. Samaharta
 - C. Aksapataladhyaksha
 - D. Sitadhyaksha

Q.70 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. VR-QM
 - B. BX-VU
 - C. UQ-PL
 - D. CY-XT

Q.71 Which of the given letter-number clusters will replace the question mark (?) in the following series to make it logically complete?
GHB 10 NOI 9 UVP 8 BCW 7 ?

- Ans
- A. K LW 5
 - B. K DY 5
 - C. M NE 16
 - D. I JD 6

Q.72 What is the process by which plants make their food using sunlight?

- Ans
- A. Transpiration
 - B. Photosynthesis
 - C. Fermentation
 - D. Respiration

Q.73 A shopkeeper purchased 48 dozens of articles at the rate of ₹300 per dozen. He sold each one of them at the rate of ₹90. What percentage profit did he make?

- Ans
- A. 260%
 - B. 262%
 - C. 259%
 - D. 257%

Q.74 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	15	21	43	41	X

- Ans
- A. 14
 - B. 8
 - C. 11
 - D. 5

Q.75 In which of the following present-day places did Jyotiba Phule founded the Satyashodhak Samaj in 1873?

- Ans
- A. Pune
 - B. Nashik
 - C. Satara
 - D. Nagpur

Q.76 This question is based on the five, three-digit numbers given below.
(Left) 351 417 211 159 294 (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 second digit of the highest number is added to the third digit of lowest number ?

- Ans
- A. 10
 - B. 15
 - C. 11
 - D. 13

Q.77 Which Indian Prime Minister among the following was never the Chief Minister of any state of India?

- Ans
- A. Morarji Desai
 - B. VP Singh
 - C. Chandrashekhar
 - D. PV Narasimha Rao

Q.78 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 horses are donkeys. Some cats are monkeys. All monkeys are donkeys.

Conclusions:

(I) All cats are donkeys.

(II) Some horses are monkeys.

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

Q.79 Which 17th-century CE monument in Agra, built by Shah Jahan, is a UNESCO World Heritage Site?

- Ans
- A. Safdarjung Tomb
 - B. Jama Masjid
 - C. Sikandra Tomb
 - D. Taj Mahal

Q.80 Where did the Pune Book Festival 2025 take place?

- Ans
- A. Symbiosis Auditorium
 - B. Savitribai Phule University
 - C. Fergusson College Grounds
 - D. Shaniwar Wada

Q.81 Who among the following became the first female President of Namibia in March 2025?

- Ans
- A. Ellen Johnson Sirleaf
 - B. Saara Kuugongelwa
 - C. Netumbo Nandi-Ndaitwah
 - D. Joyce Banda

Q.82 Two numbers have an HCF of 12 and an LCM of 840. If one of the numbers is 84, then find the other number.

- Ans
- A. 168
 - B. 368
 - C. 120
 - D. 840

Q.83 If A's salary is 113% 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. 51.35%
 - B. 53.05%
 - C. 50.45%
 - D. 55.15%

Q.84 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$12 A 4 B 6 C 8 D 2 = ?$$

- Ans
- A. 22
 - B. 23
 - C. 24
 - D. 25

Q.85 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 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.)

(37, 1361, 8)
(47, 2185, 24)

- Ans
- A. (50, 2475, 24)
 - B. (12, 141, 3)
 - C. (29, 829, 11)
 - D. (4, 10, 5)

Q.86 Which Classical Language underwent significant scriptural evolution from Grantha, Vatteluttu, Kolezhuthu, and finally to its current script used in modern writing?

- Ans
- A. Kannada
 - B. Malayalam
 - C. Odia
 - D. Tamil

Q.87 Find the average value of the first 350 positive multiples of 7.

- Ans
- A. 1416.5
 - B. 1228.5
 - C. 1326.5
 - D. 1254.5

Q.88 Which of the following scholars introduced the concept of human development?

- Ans
- A. Mahbub-ul-Haq
 - B. Amartya Sen
 - C. Griffith Taylor
 - D. Alexander Von Humboldt

Q.89 A boat covers a certain distance downstream in 6 hours and takes 8 hours to return upstream to the starting point. If the speed of the stream is 4 km/h, find the speed of the boat in still water.

- Ans
- A. 24 km/hr
 - B. 28 km/hr
 - C. 12 km/hr
 - D. 18 km/hr

Q.90 What should come in place of '?' in the given series?

10 14 22 34 50 ?

- Ans
- A. 58
 - B. 70
 - C. 59
 - D. 55

Q.91 Why is RAM called "Random Access"?

- Ans
- A. Data is permanently stored
 - B. Data is stored randomly without structure
 - C. Data can only be accessed sequentially
 - D. Data can be accessed directly from any location

Q.92 Each of A, B, C, D, E and F visited the same shopping mall on a different day of a week starting from Monday and ending on Saturday of the same week. D visited the mall on Tuesday. Only two people visited the mall between B and D. C visited the mall immediately before F. A didn't visit the mall on a Saturday. Who visited the mall on Wednesday?

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

Q.93 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 :: ?

: NRL :: GKE : %

- Ans
- A. # = LTN % = EMK
 - B. # = MKN % = EMK
 - C. # = IUN % = EMJ
 - D. # = PTN % = EIC

Q.94 The monthly incomes of two friends Vipul and Vijay, are in the ratio 6 : 7 respectively and each of them saves ₹66,000 every month. If the ratio of their monthly expenditure is 1 : 3, find the monthly income of Vipul (in ₹).

- Ans
- A. 71,000
 - B. 72,000
 - C. 1,00,800
 - D. 73,000

Q.95 What does the crude birth rate (CBR) measure in demographic studies?

- Ans
- A. Ratio of deaths per hundred population
 - B. Net rural to urban migration
 - C. Share of employed women in workforce
 - D. Number of live births per thousand annually

Q.96 The following frequency table gives the marks obtained by 48 students in a class test.

Marks	Frequenc y
7	12
8	13
9	12
10	11

With reference to the frequency table, match the following statements: (Values are rounded off to three decimal places.)

Column P		Column Q	
i.	The mean of the distribution	1.	8.485
ii.	The standard deviation of the distribution	2.	1.207
iii.	The variance of the distribution	3.	1.099

- Ans
- A. i - 1, ii - 2 and iii - 3
 - B. i - 3, ii - 1 and iii - 2
 - C. i - 1, ii - 3 and iii - 2
 - D. i - 2, ii - 3 and iii - 1

Q.97 Which landform is formed when a glacier erodes a pre-existing river valley by widening, deepening, and smoothing it?

- Ans
- A. V-shaped valley
 - B. U-shaped valley
 - C. Floodplain
 - D. Gorge

Q.98 Hans Geiger and Ernest Marsden performed the famous α -particle scattering experiment under the supervision of _____.

- Ans
- A. Ernest Rutherford
 - B. Niels Bohr
 - C. John Dalton
 - D. William Henry

Q.99 The sum of all interior angles in a trapezium is _____.

- Ans
- A. 180°
 - B. 240°
 - C. 360°
 - D. 540°

Q.100 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 malls are halls. All halls are walls. No mall is a fall.

Conclusions:

- (I) No hall is a fall.
(II) No wall is a fall.

- 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.