



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°

Correct Answer: A

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.

Correct Answer: B

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

Correct Answer: C

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

Correct Answer: B

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

Correct Answer: A

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

Correct Answer: C

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

Correct Answer: A

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

Correct Answer: C

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

Correct Answer: A

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

Correct Answer: D

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

Correct Answer: B

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

Correct Answer: B

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

Correct Answer: C

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

Correct Answer: C

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

Correct Answer: D

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

Correct Answer: D

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

Correct Answer: B

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.

Correct Answer: B

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)

Correct Answer: C

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

Ans A) Steatite

B) Ivory

C) Gold

D) Terracotta

Correct Answer: A

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

Correct Answer: C

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

Correct Answer: D

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

Correct Answer: D

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

Correct Answer: C

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

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

Ans A) $\sqrt{\frac{703}{33}}$

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

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

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

Correct Answer: D

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

Correct Answer: D

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

Correct Answer: A

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

Correct Answer: C

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

Correct Answer: C

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
				Correct Answer: B
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
				Correct Answer: C
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
				Correct Answer: A
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%
				Correct Answer: B
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
				Correct Answer: A
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
				Correct Answer: A
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
				Correct Answer: B
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
				Correct Answer: A
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
				Correct Answer: D
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
				Correct Answer: C
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
				Correct Answer: D
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
				Correct Answer: C
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 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 brother	B) Wife's father	C) Father	D) Brother
				Correct Answer: A

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

Correct Answer: C

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

Correct Answer: A

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%

Correct Answer: B

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

Correct Answer: C

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

Correct Answer: A

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

Correct Answer: D

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)

Correct Answer: A

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

Correct Answer: D

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

Correct Answer: A

Q.62	Which of the following instruments is used to measure the intensity of earthquakes?			
Ans A)	Barometer	B) Tiltmeter	C) Anemometer	D) Seismograph
				Correct Answer: D
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
				Correct Answer: A
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
				Correct Answer: A
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
				Correct Answer: A
Q.66	Which of the following three river systems are primarily responsible for the formation of the Northern Plains of India?			
Ans A)	Narmada, Tapi, Kaveri	B) Mahanadi, Ganga, Brahmaputra	C) Indus, Ganga, Brahmaputra	D) Krishna, Godavari, Yamuna
				Correct Answer: C
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
				Correct Answer: C
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
				Correct Answer: B
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
				Correct Answer: D
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
				Correct Answer: B
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)	KLW 5	B) KDY 5	C) MNE 16	D) IJD 6
				Correct Answer: D
Q.72	What is the process by which plants make their food using sunlight?			
Ans A)	Transpiration	B) Photosynthesis	C) Fermentation	D) Respiration
				Correct Answer: B
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%
				Correct Answer: A

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)

Correct Answer: B

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

Correct Answer: B

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

Correct Answer: B

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

Correct Answer: A

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

Correct Answer: B

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

Correct Answer: B

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

Correct Answer: D

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

Correct Answer: D

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

Correct Answer: D

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

Correct Answer: B

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

Correct Answer: D

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

Marks	Frequency
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

Correct Answer: C

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

Correct Answer: A

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

Correct Answer: A

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

Ans A) 180° B) 240° C) 360° D) 540°

Correct Answer: C

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.

Correct Answer: B