PREVIOUS YEAR PAPER

RRB NTPC 2019 CBT-1 — 5 February 2021, Shift 1

RRB NTPC · 5 February 2021 · 10:30 AM - 12:00 PM

88 of the paper's 100 questions · +1 for a correct answer, −0.33 for a wrong one · 90 minutes

Left out of the original paper: 12 (any question that needs a figure or formatting we cannot show, has no answer in the response sheet, or could not be checked against a second copy of the paper).

The official booklet is a scan with no text; ExamBharo typed this paper from it by hand. Report a typing slip through exambharo.com/contact/.

Questions from the Railway Recruitment Board's paper of 5 February 2021, 10:30 AM - 12:00 PM. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/rrb-ntpc/previous-year-papers/rrb-ntpc-2019-cbt-1-5-feb-2021-shift-1/

CBT-1

2. The original price of a TV set is ₹9,000. The price is discounted by 20% and then raised by 10%. What is its new price?

(a) ₹9,920
(b) ₹9,000
(c) ₹7,900
(d) ₹7,920

Answer: (d)

3. A _____ satellite GSAT-12 was launched by PSLV- / from Sriharikota.

(a) pico
(b) meteorological
(c) communication
(d) nano

Answer: (c)

4. _____ broke the world record for 300 m at the Ostrava Golden Spike in June 2019.

(a) Carl Lewis
(b) Usain Bolt
(c) Eliud Kipchoge
(d) Shaunae Miller-Uibo

Answer: (d)

5. In a box containing one rupee, 50 paise and 25 paise coins in the ratio 1 : 2: 3, the number of 50 paise coins was eighty. How much money was there in the box?

(a) ₹108
(b) ₹100
(c) ₹105
(d) ₹110

Answer: (d)

6. Which of the following exponents does NOT play the Sitar?

(a) Pt Ravi Shankar
(b) Anoushka Shankar
(c) Pt Shiv Kumar Sharma
(d) Ustad Vilayat Khan

Answer: (c)

8. Which is the official bird of Andaman Nicobar island?

(a) Great Hornbill
(b) Sooty Tern
(c) Indian Roller
(d) Wood Pigeon

Answer: (d)

9. Which of the following is a factor of the polynomial $x^2 - x - 20$?

(a) x + 2
(b) x - 5
(c) x - 4
(d) x + 5

Answer: (b)

10. A sum of money becomes 8 times of itself in 3 ye at compound interest compounded annually. The rate of interest is: _____

(a) 100%
(b) Data inadequate
(c) 8%
(d) 5%

Answer: (a)

12. The fourth proportional to 4, 9, 12 is: _____

(a) 36
(b) 27
(c) 72
(d) 48

Answer: (b)

13. The Indian League was established in 1875 in Calcutta (now Kolkata) by _____.

(a) Sisir Kumar Ghosh
(b) Dwarka Nath Tagore
(c) Anand Mohan Bose
(d) Devendra Nath Tagore

Answer: (a)

14. Select the legislation that does NOT deal with the protection of environment.

(a) The Forest (Conservation) Act, 1980

(b) The Port Laws Amendment Act,1997

(c) The Public Liability Insurance Act,1991

(d) The Water (Cess) Act, 1977

Answer: (b)

15. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.
Patna, Bengaluru, Itanagar, Chandigarh

(a) Chandigarh

(b) Patna

(c) Bengaluru

(d) Itanagar

Answer: (a)

16. Lectures A, B, C, D, E and F are to be organised in a span of seven days from Monday to Sunday, only one lecture on each day. One lecture have to be organised only once. One day there will be no lecture. C should be organised immediately before D. E should be before D and there should be gap of two days between E and D. D should be organised before Friday. No lecture should be organised immediately after E. A should be organised on Saturday. F should not be organised on last day.
How many lectures are organised between F and E?

(a) Four

(b) One

(c) Two

(d) Three

Answer: (c)

17. Which out of these is the Harappan site discovered in Gujarat?

(a) Dholavira

(b) Manda

(c) Balathal

(d) Khandia

Answer: (a)

18. Which active volcano is known as the Light House of the Mediterranean?

(a) Cotopaxi

(b) Stromboli

(c) Mt Vesuvius

(d) Mt Etna

Answer: (b)

19. If X = $3^2 \times 2$, Y = $2^3 \times 3$ and Z = $3^2 \times 2^2$ then the L.C.M. of XY, YZ, ZX is:

(a) 2482
(b) 2492
(c) 2582
(d) 2592

Answer: (d)

20. A man travelled a distance of 61 km in 9 h. He travelled partly on foot at the speed of 4 km/h and partly on bicycle at the speed of 9 km/h. What was the distance travelled on foot?

(a) 18 km
(b) 16 km
(c) 14 km
(d) 12 km

Answer: (b)

21. The Jallianwala Bagh tragedy was a direct result of the protest against _____.

(a) Morley-Minto reforms
(b) The Montague-Chelmsford Reforms
(c) Defence of India Act
(d) The Rowlatt Act

Answer: (d)

22. Find the coordinates of the point which will divid e line joining the point (2, 4) and (7, 9) internally in the ratio 1 : 2

(a) (5/3, 1/3)
(b) (11/3, 17/5)
(c) (3/8, 3/11)
(d) (8/3, 11/3)

Answer: (b)

23. An interface between the human user and the computer hardware is known as: _____.

(a) modem
(b) operating system
(c) software
(d) operating unit

Answer: (b)

24. Which one of the following is the main source of power generation in India?

(a) Solar power
(b) Nuclear power
(c) Thermal power
(d) Hydro power

Answer: (c)

25. Which model was the First Five Year Plan based on?

(a) Harrod-Domar

(b) Gadgil Yojana

(c) John W Miller

(d) PC Mahalanobis Model

Answer: (a)

26. In which year did the Indian National Congress split into two groups on the banks of River Tapti at The Surat Session?

(a) 1916

(b) 1907

(c) 1909

(d) 1919

Answer: (b)

27. In which state is the Mudumalai National Park located?

(a) Andhra Pradesh

(b) Gujarat

(c) Maharashtra

(d) Tamil Nadu

Answer: (d)

28. Consider the given statement and decide which of the given assumptions is/are implicit in the statement.
Statement:
A child should be put in school at the age of 5 or so.
Assumptions:
I. The schools do not admit children after 6 years of age.
II. Below the age of 5 a child does not attain appropriate level of development and ability to learn.

(a) Both I and II are implicit.

(b) Only I is implicit.

(c) Neither I nor II is implicit.

(d) Only II is implicit.

Answer: (d)

29. Introducing a woman, Rohan tells Shayam, "She has a son and a daughter. I am the maternal uncle of her daughter's daughter." How is the woman related to Rohan?

(a) Mother's mother

(b) Mother's sister

(c) Sister

(d) Mother

Answer: (d)

30. Find the LCM and HCF of 12, 15 and 21

(a) 420, 3

(b) 240, 21

(c) 420, 6

(d) 140, 3

Answer: (a)

31. A rectangle has 15 cm as its length and 150 cm^2 as its area.If the area is increased to 1 1/3 times the original area by increasing its length only, then the new perimeter is:

(a) 70 cm

(b) 60 cm

(c) 80 cm

(d) 50 cm

Answer: (b)

32. If 2/5 of the number of girl students attending a school function is equal to 3/5 of the number of boys attending the function, what fraction of the total students attending the function will be 2/5 of the number of girl students attending the function?

(a) 2/3

(b) 1/5

(c) 6/25

(d) 5/6

Answer: (c)

33. _____ taxes are levied by the State Gov[illegible]mer[illegible] India.

(a) Customs

(b) Corporation

(c) Excise duty on liquor

(d) Capital gains

Answer: (c)

34. _____ is a device by which two different photographs of the same object can be viewed together.

(a) Stereoscope

(b) Stroboscope

(c) Stethoscope

(d) Spectroscope

Answer: (a)

35. In the Eleventh Five Year Plan, artisans related to _____ were supported by the 'Marketing Support and Services Scheme'.

(a) handlooms
(b) handicrafts
(c) leather goods
(d) gems and jewellery

Answer: (b)

36. Find the value of 18 - [6 - {4 - (8 - (6 + 3))}]

(a) 3
(b) 11
(c) 6
(d) 17

Answer: (d)

37. Mahindra and Mahindra collaborated with _____ to explore deployment of its electric vehicles in 2019.

(a) Ola
(b) Savaari
(c) Uber
(d) Meru

Answer: (c)

38. In a certain code language, TEACHER is written TFCFLJX. How will CATCHER be written as in that language?

(a) CBVFJLX
(b) BCVFLJY
(c) BCVFLXJ
(d) CBVFLJX

Answer: (d)

39. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.
Statements:
All kites are birds. No bird is a bat.
Conclusions:
I. No kite is a bat.
II. Some kites are bats.

(a) Only conclusion I follows.
(b) Neither conclusion I nor II follows.
(c) Only conclusion II follows.
(d) Both conclusions I and II follow.

Answer: (a)

40. Who was elected as the chairperson of the Press Trust of India (PTI) in September 2020?

(a) Hormusji N Cama

(b) Aveek Sarkar

(c) MP Virendra Kumar

(d) Mahendra Sharma

Answer: (b)

42. A and B together can complete a piece of work in 35 days. A alone can complete the same work in 60 days. B alone will be able to complete same work in:

(a) 96 days

(b) 84 days

(c) 72 days

(d) 42 days

Answer: (b)

43. Select the option that is related to the third term in the same way as the second term is related to the first term.
Length: Meter:: Mass:?

(a) Kilogram

(b) Weight machine

(c) Weight

(d) Heaviness

Answer: (a)

44. Study the following digit-letter-symbol series carefully and answer the question that follows.
Np4@8cQ9%6TkF3=5g4&RwJX
How many such numbers are there in the sequence, each of which is immediately preceded by a letter and immediately followed by a symbol?

(a) 4

(b) 6

(c) 7

(d) 5

Answer: (a)

45. _____ was started in 2002, for ensuring drinking water supply to all villages.

(a) Sampoorna Grameen Rozgar Yojana

(b) Swajaldhara Yojana

(c) Annapurna Yojana

(d) Antyodaya Anna Yojana

Answer: (b)

47. If a - b = 5 and $a^2 + b^2 = 41$, then what is the value of ab?

(a) 8
(b) 5
(c) 7
(d) 16

Answer: (a)

48. Name the first Indian to join viceroy's executive council.

(a) Satish Ranjan Das
(b) Tej Bahadur Sapru
(c) Satyendra Prasanna Sinha
(d) Bhupendra Nath Mitra

Answer: (c)

49. Where is INS Sardar Patel Naval Base located?

(a) Chennai
(b) Vishakhapatnam
(c) Porbandar
(d) Mumbai

Answer: (c)

50. Which of the following is different from the rest?
Writer, Reader, Publisher, Printer

(a) Printer
(b) Publisher
(c) Writer
(d) Reader

Answer: (d)

51. Who described Mahatma Gandhi as "the great soul in beggar's garb"?

(a) Rabindranath Tagore
(b) Surendranath Banerjee
(c) Winston Churchill
(d) Pherozeshah Mehta

Answer: (a)

53. _____ is India's first indigenously built warship.

(a) INS Godavari
(b) INS Talwar
(c) INS Shivalik
(d) INS Arihant

Answer: (a)

54. The financial powers of the chiefs of which Indian defence segments have been extended by the Home Ministry?

(a) Paramilitary
(b) Air Force
(c) Central Armed Police Forces
(d) Indian Navy

Answer: (c)

55. A person buys an article for ₹650 and gains 6% on selling it. Find the selling price (in ₹).

(a) 789
(b) 986
(c) 689
(d) 656

Answer: (c)

56. Under whose administration is the Department of Atomic Energy?

(a) Ministry of Science and Technology
(b) Prime Minister's Office
(c) Cabinet Secretariat
(d) Ministry of Power

Answer: (b)

57. Find the square root of 42.25.

(a) 6.5
(b) 7.5
(c) 4.5
(d) 5.5

Answer: (a)

58. In triangle ABC, what will be the value of $a(b \cos C - c \cos B)$?

(a) b^2
(b) c^2
(c) $b^2 + c^2$
(d) $b^2 - c^2$

Answer: (d)

59. A tank can be filled by 5 pipes in 80 minutes. How long will it take to fill the tank by 8 pipes of same dimensions?

(a) 50 minutes
(b) 78 minutes
(c) 128 minutes
(d) 30 minutes

Answer: (a)

60. FORTRAN is the _____.

(a) language of the fifth generations of computers.

(b) first electronic digital computer of the world.

(c) link to connect all the universities.

(d) first high level programming language.

Answer: (d)

61. John, Sarah, Tom and Joane bought 3 pizzas of the same size in all. John ate 2/4 of a pizza. Sarah, Tom and Joane ate 3/4 of a pizza each. How much pizza was left?

(a) 1/2 of a pizza

(b) 1/4 of a pizza

(c) 3/4 of a pizza

(d) 1 pizza

Answer: (b)

62. Which gas is also known as the laughing gas?

(a) Nitrous Oxide

(b) Helium

(c) Methane

(d) Carbon Dioxide

Answer: (a)

63. _____ is NOT a notified Biosphere Reserve in Ind

(a) Nallamalai

(b) Nilgiri

(c) Pachmahri

(d) Agasthyamalai

Answer: (a)

64. The sum of two numbers is 27 and the difference of their squares is 243. What is the difference between the numbers?

(a) 9

(b) 72

(c) 42

(d) 3

Answer: (a)

65. Who composed 'The Dashakumaracharita' or 'Tales of Ten Princes'?

(a) Rahas Bihari Dwivedi

(b) Bhartrhari

(c) Dandin

(d) Budhasvamin

Answer: (c)

66. What does World Trade Organization (WTO) promote?

(a) Financial support

(b) Multi-lateral trade

(c) Global peace

(d) Unilateral trade

Answer: (b)

67. Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.
Pupil, Cochlea, Cornea, Iris

(a) Cochlea

(b) Iris

(c) Cornea

(d) Pupil

Answer: (a)

69. If the base and height of a triangle are 6 cm and 8 cm respectively, then the area of the triangle is:

(a) 24 cm^2

(b) 36 cm^2

(c) 28 cm^2

(d) 48 cm^2

Answer: (a)

70. The decimal representation of 5/100 + [illegible] - 6/[illegible]s:

(a) 0.45

(b) 0.21

(c) 0.51

(d) 0.35

Answer: (b)

71. Read the given statements and conclusions carefully and decide which of the conclusions logically follow(s) from the statements.
Statements:
Some dogs are white.
All white things are beautiful.
Conclusions:
I All beautiful white things are dogs
II. Some dogs are beautiful.

(a) Neither conclusion I nor II follows.

(b) Both conclusions I and II follow.

(c) Only conclusion I follows.

(d) Only conclusion II follows.

Answer: (d)

72. Who among the following is considered as the father of the world wide web?

(a) Robert Cailliau

(b) Sir Timothy John Berners-Lee

(c) James H. Clark

(d) Pei-Yuan Wei

Answer: (b)

73. The area, in square units, of a triangle formed by the coordinate axis and the straight line 5x + 7y = 35 is:

(a) 2/35

(b) 35/2

(c) 25/2

(d) 35

Answer: (b)

74. Which organisations have launched Blue Dot hubs to boost protection for children and families on the move across Europe?

(a) UNDP and UNHCR

(b) WHO and UNDP

(c) UNICEF and UNHCR

(d) UNDP and UNICEF

Answer: (c)

75. Select the correctly matched pair (organisation and their headquarters) from the following pairs.

(a) UNIDO: Vienna

(b) ILO: Washington

(c) IMF: Paris

(d) UNESCO: Geneva

Answer: (a)

76. An artificial leaf to create fuel from sunlight was developed by which Indian organisation?

(a) DRDO

(b) CSIR

(c) IIT Mumbai

(d) BITS Pilani

Answer: (b)

77. The height of Mt Godwin Austin (K-2) is _____ m.

(a) 8611

(b) 8586

(c) 8126

(d) 8848

Answer: (a)

78. Which of the following can be used for purification of water?
(a) Alum
(b) Sodium
(c) Nitrogen
(d) Carbon dioxide

Answer: (a)

79. Name the first Indian female Bharatanatyam dancer to be awarded with the Padma Vibhushan.
(a) Vyjayanthimala Bali
(b) Hema Malini
(c) Sonal Mansingh
(d) Yamini Krishnamurthy

Answer: (c)

80. A boy told his sister, "I have sisters twice the number of brothers." The sister commented, "I have the same number of brothers and sisters." What is the number of girls in the family?
(a) 3
(b) 4
(c) 2
(d) 6

Answer: (b)

81. The position of the point (3, 4) with respect to the circle $x^2 + y^2 - 3x - 4y + 1 = 0$:
(a) lies inside it
(b) lies outside of it
(c) lies on it
(d) cannot be decided

Answer: (b)

82. The reason for the Constitution of India to be republican is that it:
(a) provides for an elected Parliament
(b) provides for adult franchise
(c) contains a bill of rights
(d) has no hereditary elements

Answer: (a)

83. Which of the following is NOT a warm water current?
(a) Humboldt current
(b) Tsushima current
(c) Alaskan current
(d) Kuroshio current

Answer: (a)

84. Find the mode if mean and median are 4 and 5 respectively.

(a) 9

(b) 7

(c) 11

(d) 5

Answer: (b)

85. Arrange the following in a meaningful sequence:
A. Disease B. Treatment C. Infection D. Recovery E. Diagnosis

(a) C → A → E → B → D

(b) C → E → A → B → D

(c) A → C → B → D → E

(d) D → B → E → C → A

Answer: (a)

90. On interchanging signs + and ÷, and numbers 7 and 9, which of the following equations would be correct?

(a) 7 + 3 - 4 ÷ 9 × 5 = 40

(b) 7 - 3 × 4 ÷ 9 + 3 = 2

(c) 7 + 3 × 4 ÷ 9 - 5 = 14

(d) 7 × 3 + 3 ÷ 9 - 5 = 12

Answer: (c)

91. Select the letter that can replace the question mark (?) in the following series.
W, U, R,?, I, C

(a) N

(b) O

(c) V

(d) M

Answer: (a)

92. Read the given statement 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 statement.
Statement:
The government has recently announced many concessions and has offered attractive schemes for foreign tourists.
Conclusions:
I. The Government seems to be serious in attracting foreign tourists.
II. Now, more number of foreign tourists are likely to visit the country.

(a) Only conclusion II follows.

(b) Both conclusions I and II follow.

(c) Neither I nor II follows.

(d) Only conclusion I follows.

Answer: (b)

93. If '+' means '÷', '-' means '×', '×' means '+', and '÷' means '-', then which of the following equations is correct?

(a) 7 × 2 + 6 ÷ 3 - 4 = 13

(b) 7 ÷ 2 × 6 + 3 - 4 = 13

(c) 7 × 2 ÷ 6 + 3 - 4 = 13

(d) 7 ÷ 2 + 6 × 3 - 4 = 13

Answer: (b)

94. In a certain code language, CARPENTER is written as AAPPCNREP. How will KITCHEN be written as in that language?

(a) KGTAHCN

(b) KKTEHGN

(c) IIRCFEL

(d) IIVCFEL

Answer: (c)

95. In a line of students, Rohan is 7th from the left and 20th from the right. How many students are there in the row?

(a) 13

(b) 14

(c) 27

(d) 26

Answer: (d)

97. Study the following digit-letter-symbol series carefully and answer the question that follows.
Np4@8cQ9%6TkF3=5g4&RwJX
Which character is 5th to the right of the 18th character from the right end?

(a) 6

(b) k

(c) T

(d) F

Answer: (c)

98. A family consists of 7 people with three couples. The artist is married to the politician and they have three children. The teacher is the sister-in-law of the accountant, who is the wife of the engineer. The doctor and businessman are brothers. Who among the following could be the husband of the teacher?

(a) Politician

(b) Engineer

(c) Accountant

(d) Doctor

Answer: (d)

99. In a certain code language, TELEVISION is written as UJNTYLWKTO. How will SHUTTER be written as in that language?

(a) TKWVWFV

(b) TIWUWFV

(c) SKUVTFE

(d) THWTWEN

Answer: (a)

100. Select the number that will come next in the following series.
5, 7, 3, 9,?

(a) 5

(b) 13

(c) 1

(d) 3

Answer: (c)

Answer key

Answer key as marked in the Railway Recruitment Board's response sheet. "—" means the sheet did not show it clearly.

CBT-1

2	**(d)**	3	**(c)**	4	**(d)**	5	**(d)**	6	**(c)**	8	**(d)**
9	**(b)**	10	**(a)**	12	**(b)**	13	**(a)**	14	**(b)**	15	**(a)**
16	**(c)**	17	**(a)**	18	**(b)**	19	**(d)**	20	**(b)**	21	**(d)**
22	**(b)**	23	**(b)**	24	**(c)**	25	**(a)**	26	**(b)**	27	**(d)**
28	**(d)**	29	**(d)**	30	**(a)**	31	**(b)**	32	**(c)**	33	**(c)**
34	**(a)**	35	**(b)**	36	**(d)**	37	**(c)**	38	**(d)**	39	**(a)**
40	**(b)**	42	**(b)**	43	**(a)**	44	**(a)**	45	**(b)**	47	**(a)**
48	**(c)**	49	**(c)**	50	**(d)**	51	**(a)**	53	**(a)**	54	**(c)**
55	**(c)**	56	**(b)**	57	**(a)**	58	**(d)**	59	**(a)**	60	**(d)**
61	**(b)**	62	**(a)**	63	**(a)**	64	**(a)**	65	**(c)**	66	**(b)**
67	**(a)**	69	**(a)**	70	**(b)**	71	**(d)**	72	**(b)**	73	**(b)**
74	**(c)**	75	**(a)**	76	**(b)**	77	**(a)**	78	**(a)**	79	**(c)**
80	**(b)**	81	**(b)**	82	**(a)**	83	**(a)**	84	**(b)**	85	**(a)**
90	**(c)**	91	**(a)**	92	**(b)**	93	**(b)**	94	**(c)**	95	**(d)**
97	**(c)**	98	**(d)**	99	**(a)**	100	**(c)**				