RRB NTPC 2018 Previous Year Paper Shift 1

RRB NTPC • 2018 • 100 questions • 90 minutes • Answer key

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GENERAL AWARENESS

Q1. The scientific analysis and study of interactions among organisms and the environment is called

(a) Ecology
(b) Microbiology
(c) Entomology
(d) Ornithology

Q2. Simplify: (2/5 + 2/9) ÷ (2/5 + 5/9)

(a) 28/45
(b) 28/43
(c) 27/34
(d) 7/17

Q3. P is twice as good at Q. Together, they finish the task in 22 days. In how many days can Q alone do fee same work?

(a) 66 days
(b) 22 days
(c) 33 days
(d) 99 days

Q4. Who was the first human to journey into outer space?

(a) Neil Armstrong
(b) Yuri Gagarin
(c) Buzz Aldrin
(d) John Glenn

Q5. Which of the following cells in the human body do not contain mitochondria?

(a) Red blood cells
(b) Liver cell
(c) Muscle cell
(d) White blood cells

Q6. If the resistance of a circuit is doubled, keeping a constant voltage, then the current through the circuit would -

(a) Increase by half
(b) Reduce by half
(c) Remain constant
(d) Become zero

Q7. Given below a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusion logically follow (s) from the given statements.

Statement:

High risks yield higher reform.

Conclusion:

I. No risks yield no returns.

II. Everyone should take risks in life.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

Q8. P is 5ft tall and be notices that he casts a shadow that's 7 ft long. He then measures that the shadow cast by his school building is 42 ft long. How tall is the building?

(a) 50 ft
(b) 36 ft
(c) 30 ft
(d) 32 ft

Q9. In which year was the first railway line in India opened for public traffic between Bori Bunder (Bombay) and Thane?

(a) 1853
(b) 1850
(c) 1854
(d) 1857

Q10. Study the following table and answer the questions based on it.

Given below is Quarter wise Sales data for a company.

Financial	Quarter	Sales (in Lakh)
FY 12-13	Q1	25
FY 12-13	Q2	34
FY 12-13	Q3	24
FY 12-13	Q4	29
FY 13-14	Q1	36
FY 13-14	Q2	32
FY 13-14	Q3	39
FY 13-14	Q4	33
FY 14-15	Q1	45
FY 14-15	Q2	48
FY 14-15	Q3	44
FY 14-15	Q4	41

What is the Year-on-Year growth (in percentage) Sales of the company from FY12-13 to FY13-14?

(a) 20%
(b) 22.5%
(c) 27.5%
(d) 25%

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Q11. Study the following table and answer the questions based on it.

Given below is Quarter wise Sales data for a company.

Financial	Quarter	Sales (in Lakh)
FY 12-13	Q1	25
FY 12-13	Q2	34
FY 12-13	Q3	24
FY 12-13	Q4	29
FY 13-14	Q1	36
FY 13-14	Q2	32
FY 13-14	Q3	39
FY 13-14	Q4	33
FY 14-15	Q1	45
FY 14-15	Q2	48
FY 14-15	Q3	44
FY 14-15	Q4	41

What is the total Sales for FY 14-15?

(a) Rs. 168 Lakhs
(b) Rs. 178 Lakhs
(c) Rs. 188 Lakhs
(d) Rs. 158 Lakhs

Q12. Squares of side 5 cm are cut off from the four corners of a rectangular sheet of dimensions 45 cm by 35 cm and an open box is made with the remaining sheet. What is the volume of the box?

(a) 1200 cm^3
(b) 875 cm^3
(c) 1325 cm^3
(d) 4375 cm^3

Q13. Given below is a statement followed by some conclusions. You have to take the given statement to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement.

Statement:

Ranjit was humiliated by his supervisor in front of his colleagues.

Conclusions:

I. Ranjit is not liked by his supervisor.

II. Ranjit is popular among his colleague.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

Q14. Find the LCM of 13, 19, 21 and 22.

(a) 114114
(b) 124124
(c) 141114
(d) 142214

Q15. If X 393 is divisible by 11, find the value of the smallest natural number X?

(a) 5
(b) 6
(c) 7
(d) 8

Q16. The genome of which creature was published in November? It can survive without food or water for 10 years and is also known as the moss piglet.

(a) Deathstalker Scorpion
(b) Mountain Goat
(c) Tardigrade
(d) Black Mamba

Q17. The HCF and LCM of two numbers are 7 and 252 respectively. If one of the numbers is 28, find the other number.

(a) 232
(b) 63
(c) 126
(d) 56

Q18. What does our scientific name "Homo Sapiens" mean?

(a) Erect Man
(b) Tall Man
(c) Wise Man
(d) Working Man

Q19. Choose the pair which is related in the same way as the words in the first pair from the given choices. LION: ROAR:: OWL: _____

(a) HOWL
(b) ORUNT
(c) HOOT
(d) CROAK

Q20. The average of first 20 multiples of 8 is:

(a) 78
(b) 80
(c) 84
(d) 82

Q21. How is Bijoy related to Sharmila if he introduced her as his mother?s mother?s only granddaughter?s daughter?

(a) Father
(b) Cousin
(c) Grandfather
(d) Maternal Uncle

Q22. This Yemeni journalist and politician won the 2011 Nobel Peace Prize for her human rights contribution. Who is she?

(a) LeymahGbowee
(b) TawakkolKannan
(c) Ellen Sirleaf
(d) ShirinEbadi

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Q23. Project Tiger is the most famous wildlife conservation project of India to protest the diminishing population of Indian tigers was launched in the year-

(a) 1971
(b) 1973
(c) 1978
(d) 1982

Q24. Through which of the following countries does the river Brahmaputra not flow?

(a) China
(b) Bangladesh
(c) India
(d) Nepal

Q25. Which of the following is NOT a type of stem cell?

(a) Umbilical
(b) Fetal
(c) Embryonic
(d) Fat

Q26. Which of the following is True?

(a) The image formed at the retina is inverted
(b) The image formed at the retina is twice the original image
(c) The image formed at the retina is of same size as the object
(d) The image formed at the retina is erect

Q27. Below are given statements. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. All pens are books

II. All books are tables.

(a) All tables are pens
(b) Some tables are pens
(c) All books are pens
(d) No table is a book

Q28. Indian coast guard celebrated its foundation day on 1st February 2018

(a) 40th
(b) 41st
(c) 42nd
(d) 43rd

Q29. Comprehension:

Use the following passage for the questions based on it

Priya, Mohit, Girija, Preeti, Bijoy, Anil, and Rita are sitting around a round table facing towards the table. Rita, who is single, is second to the left of her best friend Girija, who is to the immediate left of her husband Anil. Priya is third to the left of her husband Bijoy. Mohit is sitting between his wife Preeti and Bijoy.

In which of the following order, is the first person NOT sitting to the immediate right of the second person?

(a) Mohit, Bijoy
(b) Anil, Girija
(c) Rita, Bijoy
(d) Priya, Rita

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Q30. Comprehension:

Use the following passage for the questions based on it

Priya, Mohit, Girija, Preeti, Bijoy, Anil, and Rita are sitting around a round table facing towards the table. Rita, who is single, is second to the left of her best friend Girija, who is to the immediate left of her husband Anil. Priya is third to the left of her husband Bijoy. Mohit is sitting between his wife Preeti and Bijoy.

Which of the following is the position of Anil?

(a) Fourth to the right of Preeti
(b) To the immediate left of Girija
(c) Between Rita and Mohit
(d) To the immediate right of Priya

Q31. Comprehension:

Use the following passage for the questions based on it

Priya, Mohit, Girija, Preeti, Bijoy, Anil, and Rita are sitting around a round table facing towards the table. Rita, who is single, is second to the left of her best friend Girija, who is to the immediate left of her husband Anil. Priya is third to the left of her husband Bijoy. Mohit is sitting between his wife Preeti and Bijoy.

Which of the following is true?

(a) Girija is third to the left of Bijoy
(b) Priya is to the immediate right of Rita
(c) Preeti is second to the right of Priya
(d) Rita is third to the left of Mohit

Q32. Who gave the order which caused the Jallianwala Baug Massacre?

(a) Colonel Reginald Dyer
(b) Michael O?Dwyer
(c) H. H. Asquith
(d) Winston Churchill

Q33. What should be the minimum age of a person to be nominated as the Prime Minister ofIndia?

(a) 25 years if he is a member of the Rajya Sabha
(b) 25 years if he is a member of the Lok Sabha
(c) 30 years if he is a member of the Rajya Sahha
(d) 30 years if he is a member of the LokSabha

Q34. If the code for STUDENT is NVPFZPO then what is the code for TEACHER?

(a) OGVECGM
(b) OZVXCBM
(c) VGCEJGT
(d) VZCXJBT

Q35. Select the correct set of symbols: 84 12 5 6 = 41

(a) x, -, ÷
(b) +, ÷, -
(c) +, -, ÷
(d) ÷, ×, +

Q36. What docs CRISPR stand for?

(a) Categorically regularly-interspaced short palindromic reserve
(b) Categorically regularly-interspaced shunt

palindromic repeats

(c) Clustered regularly-interspaced short palindromic repeats

(d) Categorically regularly-interspaced short palindromic repeats

Q37. A two digit number is four times the sum of its digits. If 27 is added to the number, it becomes seven times the sum of the digits. What is the two digit number?

(a) 24
(b) 12
(c) 48
(d) 36

Q38. Animal species are getting endangered mostly due to -

(a) Habitat Fragmentation
(b) Acid Rain
(c) Over Hunting
(d) Lack of Water

Q39. If ΔABC is similar to ΔDEF such that BC = 4 cm, EF = 7 cm and area of ΔABC = 144 sq. cm, determine the area of

(a) 252 sq. cm
(b) 504 sq. cm
(c) 441 sq. cm
(d) 324 sq. cm

Q40. Comprehension:

Study the diagram given below and answer the questions based on it.

A represents Persons who drink Tea

represents Persons who drink Coffee

represents Persons who drink Juice

How many persons drink Tea and Coffee but not Juice?

[Figure: see this question online]

(a) 3
(b) 43
(c) 23
(d) 45

MATHEMATICS

Q41. Comprehension:

Study the diagram given below and answer the questions based on it.

A represents Persons who drink Tea

represents Persons who drink Coffee

represents Persons who drink Juice

How many persons drink Juice and Tea but not Coffee?

[Figure: see this question online]

(a) 23
(b) 36
(c) 15
(d) 24

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Q42. Comprehension:

Study the diagram given below and answer the questions based on it.

A represents Persons who drink Tea

represents Persons who drink Coffee

represents Persons who drink Juice

How many persons drink Coffee?

[Figure: see this question online]

(a) 141
(b) 164
(c) 127
(d) 145

Q43. Which of the following Mosques was commissioned to be built by Mughal Emperor Shah Jahan?

(a) Jama Masjid, Delhi
(b) Badshahi Masjid, Lahore
(c) Kabuli Bang Mosque, Haryana
(d) Qila-i-kuhna Mosque. Delhi

Q44. Two poles of the height 12m and 17 m stand vertically upright on a plane ground. If the distance between their feet is 12 m, find the distance between their tops.

(a) 11m
(b) 12m
(c) 13 m
(d) 14 m

Q45. NaCl is the chemical formula of

(a) Ammonia
(b) Water
(c) Salt
(d) Sugar

Q46. The Great Ashoka was a part of -

(a) Mauiya Dynasty
(b) Mughal Dynasty
(c) Gupta Dynasty
(d) Chola Dynasty

Q47. Which of the following is the unit used to measure the speed of modem printers?

(a) characters per min (cpm)
(b) lines per min (lpm)
(c) pages per min (ppm)
(d) words per min (wpm)

Q48. Select the correct set of symbols: 25 5 17 9 = 133

(a) ×, -, ÷
(b) +, ÷, -
(c) +, -, ÷
(d) ×, +, -

Q49. Rearrange the following jumbled sentences to make a meaningful one:

P: all people through its impact on

Q: the growth in human population

R: the economy and environment

S: around the world has affected

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The proper sequence should be:

(a) SRQP
(b) QSPR
(c) PQRS
(d) QRPS

Q50. The Indian Parliament building at New Delhi was designed by -

(a) Sir Edwin Lutyens and Sir Herbert Baker
(b) Duke of Connaught
(c) Sir John Archer and Sir Edward Bartley
(d) Sir Claude Batley and Sir John Begg

Q51. Ramkhelia is a folk dance from -

(a) Haryana
(b) Kerala
(c) Bihar
(d) Madhya Pradesh

Q52. Compute: 0.00081÷0.09

(a) 0.09
(b) 0.009
(c) 0.9
(d) 0.0009

Q53. P covers the first one hour of his travel at 50 km/hr and the next two hours at 70 km/hr. What is the average speed?

(a) 60 km/hr
(b) 63.33 km/hr
(c) 59.33 km/hr
(d) 62km/hr

Q54. If the cost price of 90 tables is equal to the selling price of 60 tables, find the profit percent

(a) 3333%
(b) 40%
(c) 50%
(d) 60%

Q55. World Wetlands day observed on?

(a) Feb 1
(b) Feb 2
(c) Feb 3
(d) Feb 4

Q56. The area of a right triangle is 30 sq. m. Determine its base, if height exceeds the base by 7 m.

(a) 5m
(b) 12 m
(c) 7m
(d) 9 m

Q57. If HEALTH = IDBKUG then HOSPITAL =

(a) IQUQKRBK
(b) IMTNJRBJ
(c) IPTQJUBM
(d) INTOJSBK

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Q58. If COIL = 315912 and POLICE = 161512935 then PRICE =

(a) 1516824
(b) 1517824
(c) 1618935
(d) 1718935

Q59. A ladder 20 m long is leaning against a vertical wall. It makes an angle of 60° with the ground. How far is the foot of the ladder from the wall?

(a) 10 m
(b) 17.32 m
(c) 34.64m
(d) 30 m

Q60. Which of the following planets has no moon?

(a) Jupiter
(b) Mars
(c) Venus
(d) Neptune

Q61. A certain sum of money was invested at simple interest at a certain rate for 6 years. Had it been invested at 3% higher rate, it would have yielded Rs. 900 more. What was the principal invested?

(a) Rs.3500
(b) Rs.4000
(c) Rs.4500
(d) Rs.5000

Q62. From which mineral is radium obtained?

(a) Rutile
(b) Haematite
(c) Limestone
(d) Pitchblende

Q63. Choose the pair which is related in the same way as the words in the first pair from the given choices. BIHAR: PATNA: GUJARAT: _____

(a) GANDHINAGAR
(b) JAIPUR
(c) AHMEDABAD
(d) DAMAN

Q64. The sum of digits of a two-digit number is 13. When the digits are reversed, the number decreases by 27. Find the changed number.

(a) 85
(b) 76
(c) 67
(d) 58

Q65. What is the mode of the following list of numbers: 72, 74, 75, 76, 75, 74, 73, 75, 73, 71, and 77

(a) 73
(b) 74
(c) 75
(d) 72

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Q66. Which of the following Indian states cultivates Saffron?

(a) Jammu and Kashmir
(b) Uttar Pradesh
(c) Assam
(d) Sikkim

Q67. If '+' means ×, '-' means ÷, '×' means + and compute the value of the expression; 35 - 5 + 6 × 7

(a) 45
(b) 49
(c) 55
(d) 51

Q68. Three numbers are in the ratio of 4:5:7 and their sum is 320. Find the sum of the smallest and the largest of the three numbers.

(a) 140
(b) 220
(c) 240
(d) 180

Q69. Below are given statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statements. Statements: A. Some boys are girls B. All girls are singers. Conclusions: I. Some singers are girls II. Some singers are boys.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

Q70. Sri Lanka (then Ceylon) was granted independence as the Dominion of Ceylon in the year -

(a) 1948
(b) 1972
(c) 1947
(d) 1968

GENERAL INTELLIGENCE AND REASONING

Q71. Given below is a statement followed by some conclusions. You have to take given statements to be true even if it seems to be at variance with the commonly known facts and then decide which of the given conclusions logically follow(s) from the given statement. Statement: In India, June to September is a rainy season. Conclusions: I. In India, it is always raining during these four months. II. It rains only during the rainy season in India.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both I and II follow
(d) Neither of them follows

Q72. Anita is Arjun's maternal uncle's father's only daughter. How is Anita related to Arjun?

(a) Sister
(b) Mother
(c) Paternal Aunt
(d) Daughter

Q73. What will Rs.80,000 amount to in 2 years at the rate of 20% p.a., if interest is compounded half yearly?

(a) Rs.97,240
(b) Rs.115,200
(c) Rs.117,128

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(d) Rs.120,000

Q74. Which of the following is NOT a cause of water pollution?

(a) Marine Dumping
(b) Household Waste
(c) Onshore Fishing
(d) Oil Spillage

Q75. A boat travels from City X to City Y upstream and return from City Y to City X downstream. If the speed of the boat in still water is 40 km/hr and the speed of the stream is 10 km/hr, what is the average speed of the round trip?

(a) 36.5 km/hr
(b) 34.5 km/hr
(c) 37.5 km/hr
(d) 33.33 km/hr

Q76. If 18, x, 72 are in a continued proportion, find x.

(a) 36
(b) 54
(c) 18
(d) 72

Q77. Choose the one which is different or odd from the following.

(a) Sirius
(b) Mars
(c) Neptune
(d) Saturn

Q78. 3.26 × 7.2 =

(a) 20.342
(b) 23.472
(c) 22.012
(d) 21.432

Q79. What is the median of the following list of numbers: 25, 23, 26, 29, 31, 39, and 11?

(a) 25
(b) 26
(c) 29
(d) 31

Q80. If A= 1 and EAT = 26, then SEAT =

(a) 45
(b) 44
(c) 46
(d) 47

Q81. Which among the following is true for the given numbers?

(a) 13/21 < 57/97 < 52/94 < 36/79
(b) 36/79 < 57/97 < 52/94 < 13/21
(c) 36/79 < 52/94 < 13/21 < 57/97
(d) 36/79 < 52/94 < 57/97 < 13/21

Q82. In badminton, which of the following is a hard-hit overhead shot that forces the shuttle sharply downwards into the opponent's court?

(a) Smash
(b) Wood shot
(c) Hairpin shot

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(d) Drive

Q83. A shopkeeper marks the price of an article at Rs.160. Find the cost price if after allowing a discount of 10% he still gains 20% on the cost price.

(a) Rs.140
(b) Rs.120
(c) Rs.150
(d) Rs.132

Q84. Which of the following countries gained independence in 2011?

(a) Eritrea
(b) South Sudan
(c) Slovakia
(d) Brunei

Q85. Before Independence, which of the following was a French colony?

(a) Puducherry
(b) Patna
(c) Surat
(d) Goa

Q86. If '+' means ×, '-' means ÷, '×' means + and '÷' means -; compute the value of the expression: 15 ÷ 7 × 12 ÷ 7

(a) 13
(b) 11
(c) 20
(d) 24

Q87. Choose the pair which is related in the same way as the words in the first pair from the given choices. UAE : DIRHAM :: KOREA: _____

(a) LERA
(b) KYAT
(c) WON
(d) TAKA

Q88. A man is 26 years older than his son. Three years hence, he will be three times as old as his son. What is the present age of the father?

(a) 10 years
(b) 36 years
(c) 32 years
(d) 40 years

Q89. Women competed in all the sports in Olympic Games for the first time in the year -

(a) 1900
(b) 2012
(c) 2014
(d) 1960

Q90. Which of the following cannot be modified once it is programmed by the manufacturer/ computer user?

(a) EPROM
(b) RAM
(c) EEPROM
(d) ROM

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Q91. John said, “Sharon is my paternal grandmother’s only son’s daughter”. How is Sharon related to John?

(a) Sister
(b) Maternal Aunt
(c) Cousin
(d) Mother

Q92. Which country will host the 2019 Rugby World Cup?

(a) New Zealand
(b) Australia
(c) England
(d) Japan

Q93. P bought an article for Rs.1200 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for Rs.1380?

(a) 5%
(b) 10%
(c) 12%
(d) 15%

Q94. Which of the following German scientist discovered X-rays?

(a) Wilhelm Roentgen
(b) Philipp Lenard
(c) Marie Curie
(d) William Crookes

Q95. Work together, A and B can do a piece of work in 40 days. The rate at which they work is in the ratio 8:5. How many days will A alone take to complete the work?

(a) 65 days
(b) 40 days
(c) 72 days
(d) 104 days

Q96. The first Union budget of independent India was presented by whom?

(a) K. Shanmugham Chetty
(b) Rajendra Prasad
(c) Moraji Desai
(d) Suchetha Kripalini

Q97. The difference between two positive numbers is 50 and the ratio between them is 7:2. Find the product of the two numbers.

(a) 1600
(b) 1200
(c) 1400
(d) 1800

Q98. From which country are the emergency provisions of the Indian Constitution borrowed?

(a) USA
(b) UK
(c) Germany
(d) Canada

Q99. Which of the following was India’s first exclusive defence satellite launched in 2013?

(a) GSAT-7
(b) GSAT-6
(c) INSAT-4B

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(d) KALPANA-1

Q100. Who was the first scientist to create a periodic table of elements?

(a) Henry Moseley
(b) Robert Boyle
(c) Dmitri Mendeleev
(d) John Newlands

ANSWER KEY

1	a	2	b	3	c	4	b	5	a	6	b	7	d	8	c	9	a	10	d
11	b	12	d	13	d	14	a	15	d	16	c	17	b	18	c	19	c	20	c
21	d	22	b	23	b	24	d	25	d	26	a	27	b	28	b	29	c	30	a
31	b	32	a	33	b	34	a	35	d	36	c	37	d	38	a	39	c	40	d
41	b	42	b	43	a	44	c	45	c	46	a	47	c	48	d	49	b	50	a
51	c	52	b	53	b	54	c	55	b	56	a	57	d	58	c	59	a	60	c
61	d	62	d	63	a	64	d	65	c	66	a	67	b	68	b	69	c	70	a
71	d	72	b	73	b	74	c	75	c	76	a	77	a	78	b	79	b	80	a
81	d	82	a	83	b	84	b	85	a	86	a	87	c	88	b	89	b	90	d
91	a	92	d	93	a	94	a	95	a	96	a	97	c	98	c	99	a	100	c

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