RRB NTPC Previous Year Paper-2012

1. An Arab traveller Al-Masudi visited India during the reign of-

   a) Krishna Dev   b) Indra-III   c) Krishna-I   d) Rajaraja

2. Which one of the following Kings controlled the famous silk-route of Central Asia?

   a) Harsha   b) Chandragupta - II

   c) Ashoka   d) Kanishka

3. The United Nations Organisation came into existence on-

   a) Oct 24, 1945   b) Dec 24, 1945

   c) Aug 30, 1945   d) None of these

4. Where did Mahatma Gandhi first try the weapon of Satyagraha?

   a) South Africa   b) Champaran

   c) Bardoli   d) Dandi

5. During which viceroy, Queen victoria was crowned with 'Kaiser-i-Hind' in Delhi Durbar?

   a) Hastings   b) Lytton   c) Elgin   d) Lord Minto

6. Which reformer from Maharashtra was known as Lokhitavadi?

   a) Pandit Ramabai   b) Gopalakrishna Gokhale

   c) M.G. Ranade   d) Gopal Hari Deshmukh

7. India's famous Peacock Throne and the diamond Koh-e-Noor were taken away by-

   a) Ahmad Shah Abdali   b) Mohammad Ghori

   c) Nadir Shah   d) Robert Clive

8. Who was the first European to translate the Bhagawadgita into English?

   a) William Jones   b) Charles Wilkins

   c) James Prinsep   d) Sir Alexander Cunningham

9. The Headquarters of International Atomic Energy Agency is located in-

   a) Geneva   b) Washington, D.C.

   c) Vienna   d) London

10. Which one of the following minerals occurs abundantly in the Earth's crust?

a) Bauxite   b) Silica   c) Manganese   d) Iron

11. The position of a planet when it is nearest to the Sun, is called-

a) perihelion   b) apihelion   c) apigee   d) perigee

12. Which one of the following countries has the longest international boundary with India?

a) Bangladesh   b) Bhutan   c) China   d) Pakistan

13. The Lakshadweep Islands are situated in-

a) Indian Ocean   b) Arabian Sea

c) Bay of Bengal   d) None of these

14. Who was the first Indian to receive the Magasaysay award?

a) Indira Gandhi   b) T.N. Seshan

c) Kiran Bedi   d) Vinoba Bhave

15. The salary and perquisites of the Prime Minister of India are decided by the-

a) Constitution   b) Cabinet   c) Parliament   d) President

16. The song 'Vande Mataram', was originally composed in-

a) Assamese   b) Bengali   c) Hindi   d) Sanskrit

17. Alzheimer's disease in human beings is characterised by the degeneration of-

a) kidney cells   b) nerve cells   c) brain cells   d) liver cells

18. The yellow colour of urine is due to the presence of-

a) bile   b) lymph   c) cholestrol   d) urochrome

19. There are approximately ...... muscles in human body.

a) 200   b) 350   c) 500   d) 700

20. The two highest gallantry awards in India are-

a) Param Vir Chakra and Ashok Chakra

b) Param Vir Chakra and Vir Chakra

c) Ashok Chakra and Mahavir Chakra

d) Param Vir Chakra and Mahvir Chakra

21. According Kepler, the path of planets revolving around sun is-

a) Hyperbolic   b) Parabolic   c) Elliptical   d) Circular

22. The best conductor of electricity is-

a) filtered hot water   b) distilled water

c) filtered water at room temperature   d) salt water

23. Which one of the following is the task of the Planning Commission?

a) Preparation of the plan   b) Implementation of the Plan

c) Financing of the plan   d) 'a' and 'b'

24. Bank rate is the rate at which-

a) a bank leads to the public

b) the Reserve Bank of India lends to the public

c) the Government of India lends to other countries

d) the Reserve Bank of India gives credit to commercial banks

25. In which of the following industries is the maximum number of women employed in India?

a) Textile   b) Jute   c) Tea   d) Coal

26. The First English newspaper in India was started by-

a) Dadabhai Naoroji   b) J.A. Hickey

c) Lord William Bentinck   d) Rabindra Nath Tagore

27. Who among the following was the Constitutional advisor to the Constituent Assembly of India?

a) Dr. B.N. Rao   b) Dr. B.R. Ambedkar

c) K.M. Munshi   d) M.C. Setalvad

28. Right to Constitutional Remedies comes under-

a) fundamental rights   b) legal rights

c) constitutional rights   d) natural rights

29. Small drops of a liquid are spherical in shape becuase-

a) the earth attracts all the particles of the drop equally

b) for a given volume, the surface area of sphere is maximum

c) the surface energy is maximum for the spherical shape

d) the surface energy is minimum for the spherical shape

30. Ready source of energy available for athletes is-

a) Carbohydrates   b) fats   c) proteins   d) vitamins

31. For pasteurisation of milk by Flash method, milk is heated to a temperature of-

a) 10°C b) 37°C c) 72°C d) 100°C

32. 'Repo Rate' is the rate at which-

a) the Reserve Bank of India lends to State Government

b) the International aid agencies lend to Reserve Bank of India

c) the Reserve Bank of India lends to banks

d) the banks lend to Reserve Bank of India

33. In India, maximum number of workers are employed in-

a) Textile Industry b) Iron and Steel Industry

c) Petrochemical Industry d) Automobile Industry

34. India's oldest iron and steel plant is-

a) TISCO at Jamshedpur b) TISCO at Burnpur

c) Durgapur Iron and Steel Plant d) Rourkela Iron and Steel Plant

35. Who among the following is the first Asian Winner of Nobel prize?

a) Mother Teresa b) Rabindra Nath Tagore

c) C.V. Raman d) None of the above

36. Which of the following is known as Indian Napolean?

a) Chandragupta Vikramaditya b) Samudragupta

c) Ashoka d) Chandragupta Maurya

37. Buddhism split up into the Hinayana and Mahayana sects at the Buddhist Council held during the reign of-

a) Harsha b) Kanishka

c) Ashoka d) Chandragupta Maurya

38. 'Tahqiq-i-Hind', a famous literary work, was written by-

a) Badauni b) Nizam-ud-din Ahmad

c) Alberuni d) Minhaj-us-Siraj

39. Alberuni came to India with-

a) Mahmud of Ghazni b) Alexander

c) Babur d) Timor

40. Which of the following battles was fought in 1192 AD?

a) First battle in Tarain

b) Second battle of Tarain

c) Battle of Tallikota

d) Battle of Khanua

41. Which of the following published by Annie Besant?

a) Al-Hilal

b) Commanweal

c) Miral-ul-Akbhar

d) Native opinion

42. The name of the periodical among the following published by Mahatma Gandhi during his stay in South Africa-

a) Navjiwan

b) India Gazette

c) Afrikaner

d) Indian Opinion

43. Which one of the following is present in the largest amount in terms of percent by mass in the earth's crust?

a) Silicon   b) Oxygen   c) Carbon   d) Calcium

44. The difference in the duration of day and night increases as one moves from

a) West to East   b) East and West of the prime meridian

c) poles to equator   d) equator to poles

45. Which state has smallest land area?

a) Goa   b) Nagaland   c) Sikkim   d) Tripura

46. What is the present worth of Rs.132 due in 2 years at 5% simple interest per annum?

a) Rs.120   b) Rs.122   c) Rs.112   d) Rs.118.8

47. A sum of Rs.5,000 was lent partly at 6% and partly at 9% simple interest. If the total interest received after 1 year was Rs.390, the ratio in which the money was lent at 6% and 9% is-

a) 1 : 1   b) 3 : 2   c) 2 : 3   d) 1 : 2

48. The time in which Rs.2,000 will amount to Rs.2,420 at 10% per annum compound interest, is-

a) 5 years   b) 2 years   c) 3 years   d) 4 years

49. If the length of the diagonal of a square is 20 cm, then its perimeter must be-

a) $40\sqrt{2}$ cm

b) 40 cm

c) 200 cm

d) $10\sqrt{2}$ cm

50. The length of a rectangle is halved while its breadth is tripled. What is the percentage change in area?

a) 50% increase   b) 50% decrease   c) 25% increase   d) 75% decrease

51. The perimeter of two squares are 24 cm and 32 cm. The perimeter (in cm) of a third square equal in area to the sum of the area of these square is-

a) 45   b) 40   c) 32   d) 48

52. In examination, there were 1,000 boys and 800 girls. 60% of the boys and 50% of the girls passed. The percent of the candidates failed is-

a) 46.4   b) 48.4   c) 44.4   d) 49.6

53. Price of the sugar rises by 20%. By how much percent should the consumption of sugar be reduced so that the expenditure does not change?

a) 20   b) 10   c) $16\frac{2}{3}$ d) 15

54. If 3 toys are sold at the cost price of 4 toys of the same kind, the profit will be-

a) 25%   b) $33\frac{1}{3}$%   c) $66\frac{2}{3}$%   d) 50%

55. A sells a bicycle to B at a profit of 20%. B sell it to C at a profit of 25%. If C pays Rs.225 for it. The cost price of bicycle for A is-

a) Rs.110   b) Rs.125   c) Rs.120   d) Rs.150

56. Three men enter into a partnership contributing Rs.600, Rs.800 and Rs.1,000. How much should the first man receive out of the profit Rs.480?

a) Rs.90   b) Rs.100   c) Rs.120   d) Rs.85

57. The sum of all natural numbers between 100 and 200 which are multiples of 3 is-

a) 5,000   b) 4,950   c) 4,980   d) 4,900

58. 1,008 divided by which single digit number gives a perfect square?

a) 9   b) 4   c) 8   d) 7

59. 12345679 · 72 is equal to-

a) 8888888   b) 999999998   c) 888888888   d) 898989898

60. The smallest number to be added to 1,000 so that 45 divides the sum exactly, is-

a) 35   b) 80   c) 20   d) 10

61. $\left(\dfrac{8}{125}\right)^{\frac{-4}{3}}$ simplifies to-

a) $\dfrac{625}{16}$ b) $\dfrac{625}{8}$ c) $\dfrac{625}{32}$ d) $\dfrac{16}{625}$

62. $(6.5 \cdot 6.5 - 45.5 + 3.5 \cdot 3.5)$ is equal to

a) 10   b) 9   c) 7   d) 6

63. On simplification $3,034 - (1,002 \mid 20.04)$ is equal to

a) 3,029   b) 2,984   c) 2,993   d) 2,543

64. The LCM and the HCF of the numbers 28 and 42 are in the ratio-

a) 6 : 1   b) 2 : 3   c) 3 : 2   d) 7 : 2

65. The LCM of two numbers is 1,820 and their HCF is 26. If one number is 130, then the other number is-

a) 70   b) 1,690   c) 364   d) 1,264

66. The average of 5 consecutive numbers is n. If the next two numbers are also included. The average will-

a) remain the same   b) increase by 1

c) increase by 1.6   d) increase by 1.75

67. 3 years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average age of the family is the same today. The present age of the baby is-

a) 3 years   b) 2 years   c) $1\frac{1}{2}$ years   d) 1 year

68. A mother after 4 years will be twice the age of her daughter. The sum of their ages is 46. What the present age of the daughter?

a) 14 years   b) 15 years   c) 16 years   d) None of these

69. The students in three classes are in each class in the ratio 2 : 3 : 5. If 40 students are increased in each class the ratio change to 4 : 5 : 7. Originally the total number of students was-

a) 100   b) 180   c) 200   d) 400

70. The ratio of incomes of two persons is 5 : 3 and that of their expenditure is 9 : 5. The income of each person if they save Rs.1,300 and Rs.900 respectively, is-

a) Rs.4,000, Rs.2,400   b) Rs.3,000, Rs.1,800

c) Rs.5,000, Rs.3,000   d) Rs.4,500, Rs.2,700

71. A is thrice as good a workman as B and therefore, able to finish a job in 60 days less than B working together they will do it in-

a) 20 days   b) $22\frac{1}{2}$ days   c) 25 days   d) 30 days

72. If 6 men and 8 boys can do a piece of work in 10 days and 26 men and 48 boys can do the same in 2 days, the time taken by 15 men and 20 boys to do the same type of work will be-

a) 5 days   b) 4 days   c) 6 days   d) 7 days

73. Suman can do a work in 3 days. Sumati can do the same work in 2 days. Both of them finish the work together and get Rs.150. What is the share of Suman?

a) Rs.30   b) Rs.60   c) Rs.70   d) Rs.75

74. The length of a longest rod that can be placed in a room which is 12 m long, 9 m broad and 8 m high, is-

a) 27 m   b) 19 m   c) 17 m   d) 13 m

75. The edges of a cubiod are in ratio $1 : 2 : 3$ and its surface area of 88 cm^2. The volume of the cuboid is-

a) 120 cm^3 b) 64 cm^3 c) 48 cm^3 d) 24 cm^3

76. The curved surface of a cylinderical pillar is 264 m^2 and its volume is 924 m^3. Taking $\pi = \frac{22}{7}$, the ratio of its diameter to its height is-

a) $7 : 6$ b) $6 : 7$ c) $3 : 7$ d) $7 : 3$

77. The volume of right circular cylinder whose height is 40 cm and circumference of its base is 66 cm, is-

a) 55,440 cm^3 b) 3,465 cm^3 c) 7,720 cm^3 d) 13,860 cm^3

78. Renu's mother was three times as old as Renu 5 years ago. After 5 years, she will be twice as old as Renu. Renu's present age in years is-

a) 35   b) 10   c) 20   d) 15

79. How much quantity of water must be added to 48 ml of alcohol to make a solution that contain 25% alcohol?

a) 48   b) 64   c) 144   d) 192

80. If $x : y = 3 : 2$, then the ratio $2x^2 + 3y^2 : 3x^2 - 2y^2$ is equal to-

a) $12 : 15$ b) $6 : 5$ c) $30 : 19$ d) $5 : 3$

81. Ramesh is facing North. He turns $135°$ in the anti-clockwise direction and then $180°$ in the clockwise direction. Which direction is he facing now?

a) North-East   b) North-West

c) South-East   d) South-West

82. Pointing to a man in photograph, a woman said, "His Brother's father is the only son of my grandfather". How is the woman related to the man in the photograph?

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

Directions (Q.83 - 84): Find the missing character in the following questions.

83.

84	
14	12

(A)

81	
18	9

(B)

88	
?	11

(C)

a) 16   b) 21   c) 61   d) 81

84.

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    4            8            0
5 (0) 6      7 (1) 6     11 (?) 2
    7            4            2
  (A)          (B)          (C)
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a) 0   b) 2   c) 11   d) 12

85. Satish remembers that his brother's birthday is after fifteenth but before eighteenth of February where as his sister kajal remembers that her brother's birthday is after sixteenth but before nineteenth of February. On which day in February is Satish's brother's birthday?

a) 16th b) 17th c) 18th d) 19th

86. In a certain code language 'POND' is written as 'RSTL'. How will 'HEAR' be written in that code?

a) GHIZ   b) GHIJ   c) JCLZ   d) JIGZ

Directions (Q. 87 - 89): In each of the following questions, there is a certain relationship between two given words on one side of : : and one word is given on another side of : : while another word is to be selected from the given alternatives, having the same relationship with this word as the words of the given pair bear. Choose the correct alternative.

87. Nurture : Neglect : : Denigrate : ?

a) Reveal   b) Extol   c) Recognise   d) Calumniate

88. Drama : Stage : : Tennis : ?

a) Tournament   b) Net   c) Court   d) Racket

89. Bank : River : : Coast : ?

    a) Flood   b) Waves   c) Sea   d) Beach

Directions (Q. 90 - 92): In each of the following questions, four numbers are given. Out of these, three are alike in a certain way but the one is different. Choose the one which is different from the rest three.

90.   a) 43   b) 53   c) 63   d) 73

91.   a) 51   b) 144   c) 64   d) 121

92.   a) 6   b) 12   c) 18   d) 7

Directions (Q. 93 - 94): In each of the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it.

93.   a ___ bbc ___ aab ___ cca ___ bbcc

    a) bacb   b) acba   c) abba   d) caba

94.   ab__aa__bbb__aaa__bbba

    a) abba   b) baab   c) aaab   d) abab

Directions (Q. 95 - 98): In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank spaces.

95.   1, 4, 9, 16, 25, (......)

    a) 35   b) 36   c) 48   d) 49

96.   20, 19, 17, (.....), 10, 5

    a) 12   b) 13   c) 14   d) 15

97.   2, 3, 5, 7, 11, (....), 17

    a) 12   b) 13   c) 14   d) 15

98.   6, 11, 21, 36, 56, (.....)

    a) 42   b) 51   c) 81   d) 91

99. Five boys are sitting in a circle. Ajay is between Ramesh and Damnik. Suleman is left to Babu. Ramesh is to the immediate left of Suleman. Who is to the immediate right of Ajay?

    a) Suleman   b) Damnik   c) Babu   d) Ramesh

Directions (Q. 100 - 101): In the following questions, three classes are given. Out of the four figures that follow, you are to indicate which figure will best represent the relationship amongst the three classes.

a)   b)   c)   d)

100. Doctor, Man, Actor
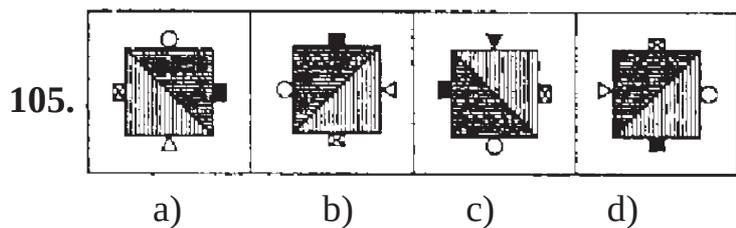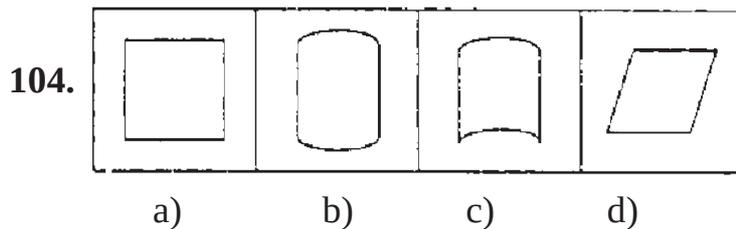
101. Rose, Flowers, Lotus

102. If Atul finds that he is twelfth from the right in a queue of boys and fourth from the left, how many boys should be added to the queue so that there are 28 boys in the queue?

a) 12　　　　　　b) 13　　　　　　c) 14　　　　　　d) 20

103. A, B, C, D, and E are five rivers. A is shorter than B but longer than e. C is one longest and D is little shorter than B and little longer than A. Which is the shortest river?

a) B　　　　　　b) C　　　　　　c) D　　　　　　d) E

Directions (Q. 104 - 105): In the following questions, choose the figure which is different from the other three.

104.

a)　　　b)　　　c)　　　d)

105.

a)　　　b)　　　c)　　　d)

Directions (Q. 106 - 108): Find out the part which has an error in the following sentences. If there is no error, your answer is (d).

106. The player was asked (a)/ that way he had not (b)/ attended the prayer. (c)/ No error (d)

107. No sooner did I enter (a)/ the house I saw my uncle (b)/ going out for a walk. (c)/ No error (d)

108. Through he ran fast (a)/ still he could not (b)/ escape from the police. (c)/ No error (d)

Directions (Q. 109 - 111): Fill in the blanks with appropriate words.

109. The news ..... by him.

    a) are brought   b) was brought

    c) have brought   d) has brought

110. One of the developing or under-developed countries .... not in favour of launching chemical warfare.

    a) are   b) do   c) is   d) were

111. It is newspaper that ..... us news.

    a) give   b) is giving   c) gives   d) has given

Directions (Q. 112 - 114): In the following questions, choose the word same in meaning of the word given in **BOLD** letters.

112. Relish

    a) Desire   b) Nibble   c) Savour   d) Avail

113. Ominous

    a) Threatening   b) Powerful   c) Ubiquitous   d) Burdensome

114. Procrastinate

    a) Multiply   b) Irregular   c) Postpone   d) Predict

Directions (Q. 115 - 117): In the following questions, choose the word opposite in meaning of the word given in **BOLD** letters.

115. Elan

    a) brashness   b) Dignity   c) Composure   d) Nervousness

116. Irascible

    a) Kind   b) Friendly   c) Rougish   d) Clever

117. Nebulous

    a) Concrete   b) Unkind   c) Undramatic   d) Uninteresting

Directions (Q. 118 - 120): Choose the alternative which can be substituted for the given words/ sentence.

118. An office or post with no work but high pay-

    a) Honorary   b) Sinecure   c) Gratis   d) Ex-officio

119. Murder of a brother-

    a) Patricide   b) Regicide   c) Homicide   d) Fratricide

120. A person living permanently in a certain place-

a) Native   b) Resident   c) Domicile   d) Subject

Answers

1-b; 2-d; 3-a; 4-a; 5-b; 6-d; 7-c; 8-b; 9-c; 10-b; 11-a; 12-a; 13-b; 14-d; 15-c; 16-b; 17-b; 18-d; 19-d; 20-d; 21-c; 22-d; 23-a; 24-d; 25-c; 26-b; 27-a; 28-a; 29-d; 30-a; 31-c; 32-d; 33-a; 34-a; 35-b; 36-b; 37-b; 38-c; 39-a; 40-b; 41-b; 42-d; 43-a; 44-d; 45-a; 46-a; 47-c; 48-b; 49-a; 50-a; 51-b; 52-c; 53-c; 54-b; 55-d; 56-c; 57-b; 58-d; 59-c; 60-a; 61-a; 62-b; 63-b; 64-a; 65-c; 66-b; 67-b; 68-a; 69-c; 70-a; 71-b; 72-b; 73-b; 74-c; 75-c; 76-d; 77-d; 78-d; 79-c; 80-c; 81-a; 82-c; 83-a; 84-c; 85-b; 86-d; 87-b; 88-c; 89-c; 90-c; 91-a; 92-d; 93-b; 94-b; 95-b; 96-c; 97-b; 98-c; 99-d; 100-b; 101-d; 102-b; 103-d; 104-b; 105-c; 106-b; 107-b; 108-b; 109-b; 110-c; 111-a; 112-c; 113-a; 114-c; 115-d; 116-b; 117-a; 118-b; 119-d; 120-c.