RRB Secunderabad

Non Technical Exam – Held on 29–03–2016

(Based On Memory)

1. Who amongst the following was a pioneering psychologist?

    A) Socrates   B) Neils Bohr   C) Sigmund Freud   D) Isaac Newton

2. Din-i-Ilahi was promoted by ....

    A) Babar   B) Bahadur Shah   C) Akbar   D) Humayun

3. At a telephone exchange, three phones ring at intervals of 20 sec, 24 sec and 30 seconds. If they ring together at 11 : 25 a.m. When will they next ring together?

    A) 11 : 29 a.m.   B) 11 : 27 a.m.   C) 11 : 51 a.m.   D) 12 : 29 p.m.

4. Which number will fit in '?' place in the following series?

    2, ?, 12, 20, 30, 42

    A) 2   B) 5   C) 6   D) 10

5. Divide 13,680 in three parts such that 1st part is $3/5$ th of the third part and the ratio between 2 nd and 3 rd part is 4 : 7. How much is the first part?

    A) 3780   B) 6300   C) 3600   D) 4800

Directions (Q.No: 6-8): Read the following information and answer the following questions below.

In a class of 90 students, 80 students like burger or pizza. 62 like burger and 56 like pizza.

6. How many like neither burger nor pizza?

    A) 10   B) 28   C) 16   D) 14

7. How many don't like burger?

    A) 18   B) 28   C) 38   D) 48

8. How many like both burger and pizza?

    A) 24   B) 38   C) 32   D) 18

9. Which of the following is always present in organic compounds?

    A) Carbon   B) Nitrogen   C) Sulphur   D) Potassium

10. If SUN = 108, MOON = 114, what is STAR = ?

    A) 124   B) 116   C) 120   D) 122

11. Pollination by wind is called?

    A) Hydrophily   B) Pollinophily   C) Anemophily   D) Herbophily

12. What is the minimum age (years) for getting elected to the Lok Sabha?

    A) 18   B) 21   C) 16   D) 25

13. **Simplify:** $\sqrt{50} + \sqrt{18} - \sqrt{8}$

   A) $8\sqrt{2}$ B) $7\sqrt{2}$ C) $6\sqrt{2}$ D) $5\sqrt{2}$

14. **Simplify:** $\dfrac{81x^2 - 49y^2}{9x + 7y}$

   A) $9x + 7y$ B) $9x - 7y$ C) $9x$ D) $7y$

15. What were the first wheels made of?

   A) Rubber   B) Glass   C) Wood   D) Iron

16. Which country has won maximum number of World Cup titles in football?

   A) Italy   B) Argentina   C) Brazil   D) France

17. Azhar can complete a journey in 10 hours. He travels the first half of the journey at a speed of 21 km/h. and the balance at 24 km/h. Find the total distance in km?

   A) 244   B) 225   C) 221   D) 230

18. With which sport is the term 'Tee' connected?

   A) Hockey   B) Polo   C) Golf   D) Badminton

19. Geetha weighs 11.235 kg. Her sister weighs 1.4 times her weight. Find their combined weight?

   A) 15.729 kg   B) 25.964 kg   C) 26.964 kg   D) 26.946 kg

20. Which is the largest non-polar desert in the World?

   A) Kalahari   B) Thar   C) Sahara   D) Atakama

21. Find the odd one out:

   Chicken pox, Rubella, Flu, Meningitis

   A) Chicken pox   B) Rubella   C) Flu   D) Meningitis

22. Which Indian king used naval power to conquer parts of East Asia?

   A) Akbar   B) Krishnadeva Raya   C) Rajendra Chola   D) Shivaji

23. In a camp 180 students had ration for 20 days. How many students should leave the camp if the ration should last for 25 days?

   A) 36   B) 24   C) 28   D) 40

24. Who is called the Father of Geometry?

   A) Euclid   B) Pythogoras   C) Ramanujam   D) Fibonacci

25. Who was the last Mughal Emperor?

   A) Shahjahan   B) Jehangir   C) Akbar   D) Bahadur Shah

26. What does 'P' denote in DPT vaccine?

   A) Psoriasis   B) Pertussis   C) Pancolitis   D) Parkinsons

27. 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.

Statements: 1) Some kids are clever.

2) Some kids are players.

Conclusion: I. Some players are clever.

II. Some clever kids are players.

Decide which of the given conclusions logically follow (s) from the given statements.

A) Only conclusion I follows   B) Only conclusion II follows

C) Both conclusion I and II follow   D) Neither conclusion I nor II follows

28. Which number will fit both the series of numbers?

Series A: 1, 4, 9, ...

Series B: 1, 8, 27, ...

A) 42   B) 36   C) 64   D) 25

29. If ALPHA = 36, BETA = 26, then DELTA = ?

A) 38   B) 31   C) 40   D) 36

30. What does SPM index (in pollution) stand for?

A) Solid Pollution Matter   B) Suspended Particulate Matter

C) Soluble Particle Method   D) Surrounding Pollution Matter

31. School : Principal as Court :

A) Lawyer   B) Judge   C) Defendant   D) Plaintiff

32. The diagonal of a rhombus is 8 m and 6 m respectively. Find its area.

A) 48 sq.m.   B) 24 sq.m.   C) 12 sq.m.   D) 96 sq.m.

33. Which river flows through Karnataka and Tamilnadu?

A) Krishna   B) Godavari   C) Kaveri   D) Periyar

34. If 1 = 2, 3 = 6, 4 = 8, and + = −, what would be the value of 41 + 34 + 13 =?

A) −88   B) 88   C) 12   D) −12

35. Sita told her friend Gita 'I am leaving today and will reach Mumbai tomorrow for my exams starting the day after tomorrow, which is Friday'. What day is tomorrow in this conversation?

A) Wednesday   B) Thursday   C) Tuesday   D) Saturday

36. Which of the following gases are responsible for the greenhouse gas effect on Earth?

A) Water vapour and Carbon dioxide   B) Carbon dioxide and Nitrogen

C) Carbon dioxide and Methane   D) Ozone and Methane

37. Who among the following has won an Oscar for movie direction?

A) A R Rahman   B) Guru Dutt   C) Satyajit Ray   D) Gulzar

38. In which year was RBI nationalized?

A) 1959   B) 1967   C) 1949   D) 1964

39. Where was paper invented?

A) China   B) Italy   C) France   D) Egypt

40. From where was Mangalyaan launched?

A) Chennai   B) Sriharikota   C) Trombay   D) Gopalpur, on sea

41. What smallest number should be added to the sum of squares of 15 and 14, so that the resulting number is a perfect square?

A) 17   B) 20   C) 11   D) 9

42. Ram and Rahim standing at a distance of 680 m run towards each other at a speed of 8 m/sec and 9 m/sec respectively. After how long will they meet?

A) 17 sec   B) 24 sec   C) 40 sec   D) 36 sec

43. Who wrote the National song of India?

A) Rabindranath Tagore   B) Bankim Chandra Chatterjee

C) Mohammed Iqbal   D) Chitragupta

44. 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.

Statements:

1) Because of motor vehicles like cars, pollution has increased manifold.

2) Respirator diseases are increasing due to pollution.

Conclusions:

I. If cars were not there pollution would be nil.

II. Doctors earn a lot due to pollution.

Decide which of the given conclusions logically follow(s) from the given statements.

A) Either I or II follows   B) Neither I nor II follows

C) Only conclusion I follows   D) Only conclusion II follows

45. What is the technology used in a compact disc?

A) Electrical   B) Laser   C) Electro magnetic   D) Aeronautical

46. A deep crack in a glacier is called ....

A) A crevice   B) A crevasse   C) A crack   D) A cleft

47. If angles of a quadrilateral are in the ratio 3 : 5 : 9 : 13. Find the largest angle?

A) 155   B) 170   C) 156   D) 150

48. The Suez canal connects the Mediterranean sea to which sea?

A) Caspian Sea   B) Red Sea   C) Baltic Sea   D) North Sea

Directions (Q.No: 49-51): Read the following information and answer the following questions below. Bindu is standing exactly in the middle of a line of girls. Asha is 6 th to the left of Bindu and Ritu is 16 th to Bindu's right.

49. What is Asha's position in the line?

    A) 22   B) 12   C) 18   D) 11

50. What should be the minimum number of girls in the line?

    A) 27   B) 28   C) 33   D) 30

51. What is Bindu's position in the line?

    A) 11   B) 14   C) 16   D) 17

52. If A's sister's husband is B's mother-in-law's son-in-law, how is A related to B?

    A) Father   B) Father-in-law   C) Brother-in-law   D) Husband

53. Where is the headquarters of Interpol located?

    A) Paris   B) London   C) Lyon   D) Brussels

54. Which of the following is called Aurum?

    A) Bronze   B) Gold   C) Silver   D) Copper

55. Find the value of $\dfrac{(0.0112 - 0.0012) \text{ of } 0.14 + 0.25 \times 0.2}{0.02 \times 0.01}$

    A) 257   B) 25.7   C) 2.57   D) 0.0257

56. Jimmy Wales and Larry Sanger are associated with?

    A) Wikipedia   B) Nokia   C) Samsung   D) Google

57. CAT : MOUSE as SNAKE : ?

    A) REPTILE   B) MONGOOSE   C) HOLE   D) POISON

58. Fill in the blank: sin A = ... × cos A

    A) sin A   B) tan A   C) cot A   D) cos A

59. 'Queensberry rules' is the code followed in which sport?

    A) Tennis   B) Cricket   C) Boxing   D) Equestrian

60. Who is called the Frontier Gandhi?

    A) Gopala Krishna Gandhi   B) Mahatma Gandhi

    C) Khan Abdul Ghaffar Khan   D) Subhash Chandra Bose

61. Which building currently holds the record for being the tallest in the World?

    A) Burj Khalifa   B) Petronas

    C) Warsaw radio mast   D) Shanghai World financial centre

62. The average age of 27 students of a class is 22. If the age of the teacher is also added to their ages, then the average increases by one. Find the age of the teacher.

   A) 52   B) 58   C) 50   D) 62

63. In a certain code language. North = West, South = East, East = North, which direction does the sun rise?

   A) East   B) West   C) North   D) South

64. Smita can finish a work in 12 days and Shyam can finish the same work in 9 days. After working together for 4 days they both leave the job. What is the fraction of unfinished work?

   a) $\dfrac{1}{7}$ b) $\dfrac{5}{9}$ c) $\dfrac{2}{9}$ d) $\dfrac{3}{4}$

65. Which of the following is a land locked country?

   A) Azerbaijan   B) Kazakhstan   C) Pakistan   D) Bangladesh

66. 'E' is related to 'BH' in the same way as 'N' is related to?

   A) IP   B) KQ   C) LP   D) KR

67. Find the mean of the first 6 prime numbers?

   a) $\dfrac{15}{3}$ b) 6   c) $\dfrac{41}{6}$ d) $\dfrac{12}{4}$

68. Zica virus is transmitted to humans by ....

   A) Rat   B) Mosquitoes   C) Cockroach   D) Rabbits

69. Who was the first to score a perfect 10 in Olympics in gymnastics?

   A) Nadia Comaneci   B) Daniela Silivas   C) Alexander Dityatin D) Mary Lou Retton

70. Which of the following is reared for its fleece / fiber?

   A) Alpaca   B) Alabama   C) Apache   D) Alluvial

71. How many medals did India win in the 2012 summer Olympics?

   A) 0   B) 3   C) 6   D) 8

72. Which is the largest fresh water lake in the World?

   A) Lake Victoria   B) Lake Erie   C) Lake Superior   D) Lake Ontario

73. World environment day is observed on ......

   A) February 18   B) May 26   C) June 5   D) September 2

74. What did Edward Jenner pioneer?

   A) Vaccination   B) Electrocution   C) Dialysis   D) Open heart surgery

75. Which of the following is the name of a medieval Indian book on mathematics?

   A) Vastushastra   B) Leelavati   C) Panchadashi   D) Roopmati

76. A certain sum when invested at 5% interest compounded annually for 3 years yields an interest of Rs.2,522. Find the Principal?

   A) Rs.12,522   B) Rs.15,200   C) Rs.16,000   D) Rs.17,200

77. Simplify: $\left[2\frac{1}{3} - 1\frac{1}{2}\right]$ of $\frac{3}{5} + 1\frac{2}{5} \div 2\frac{1}{3}$

    A) $\frac{1}{10}$ B) $\frac{3}{10}$ C) $\frac{1}{10}$ D) 1

Directions (Q.No: 78-80): The below table gives rice production in each year. Read and answer the following questions.

Year	Production in tons
2005	325
2006	438
2007	429
2008	258
2009	495

78. What was the decline in production in year 2008 compared to 2007?

    A) 40%   B) 51%   C) 67%   D) 45%

79. What was the average production of rice in the period 2005 – 09?

    A) 378   B) 389   C) 399   D) 412

80. What is the increased percentage of production in 2009 compared to year 2005?

    A) 58.1%   B) 39.2%   C) 52.3%   D) 26.3%

81. The runs scored by two batsmen over 7 matches are given below. Which batsman's average was better?

    A) Batsman 1: 39.3   B) Batsman 1: 45.9   C) Batsman 1: 43.2   D) Batsman 2: 45.9

82. 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.

Batsman 1:	42	51	09	78	63	20	12
Batsman 2:	30	22	91	76	84	11	07

Statements:

1. Health insurance in India caters only to rich.

2. Health insurance sector should be regulated.

Conclusion:

I. Health insurance sector should be nationalized.

II. Health insurance is not required for the poor.

Decide which of the given conclusions logically follow(s) from the given statements.

    A) Neither I nor II follow   B) Only conclusion I follows

    C) Either I or II follow   D) Only conclusion II follows

83. If COW ÷ CW = 13, what might be the value of COW?

    A) 272   B) 195   C) 323   D) 387

84. Madhubani painting style is native to which state?

    A) Odisha   B) Andhra Pradesh   C) Bihar   D) Madhya Pradesh

85. The sum of two digits of a number is 10. If the digits are interchanged, then its value increases by 18. Find the number.

    A) 46   B) 64   C) 19   D) 28

86. Punched card is also called ....

    A) Hollerith card   B) Video card   C) Sound card   D) Accelerator card

87. Where in the human body can you find the islets of Langerhans?

    A) Small intestine   B) Pancreas   C) Stomach   D) Heart

88. If ! = ÷, # = +, ^ = ×, then calculate the value of 32 ! 4 ^ 7 # 5

    A) 68   B) 61   C) 54   D) 65

89. What comes next in the series?

    B, D, H, N, ?

    A) V   B) P   C) S   D) W

90. If Cost Price of 5 cars is equal to Selling Price of 4 cars. Find the percentage of profit or loss?

    A) 10% Profit   B) 10% Loss   C) 25% Profit   D) 25% Loss

91. Which single discount will be equal to two successive discounts of 12% and 5%?

    A) 15%   B) 7.5%   C) 16.4%   D) 12.2%

92. If Reena sold 12 mobile phones for Rs.188. 160 which cost Rs.14,056 per phone, what was the total profit made by her?

    A) Rs.19,488   B) Rs.17,621   C) Rs.21,014   D) Rs.18,958

93. Find the value of $\sin^2 30 \cos^2 45 + 4 \tan^2 30 + \left(\frac{1}{2}\right) \sin^2 90 - 2 \cos^2 90 + \frac{1}{24}$.

    A) 3   B) 4   C) 2   D) 1

94. Granite is an example of ....

    A) Metamorphic rock   B) Sedimentary rock

    C) Igneous rock   D) Artificial stone

95. The ratio between the weights of gold and silver in an alloy is 17 : 3. If the weight of silver in the alloy is 2.7 gm, find the weight of gold in the alloy.

    A) 12.6 gm   B) 15.3 gm   C) 18 gm   D) 21.2 gm

96. Which of the following is the currency of Thailand?

    A) Rupee   B) Dollar   C) Baht   D) Yuan

97. Which tennis player has won the maximum number of Grand slam titles?

  A) Pete Sampras   B) Andre Agassi   C) Roger Federer   D) Rafael Nadal

98. The perimeter of a triangle is 28 cm. If the length is $5/2$ times its breadth, find the length and breadth of the triangle.

  A) 9 & 5   B) 10 & 4   C) 6 & 7   D) 11 & 3

99. If x is a prime number, LCM of x and its successive number would be ....

  A) x   B) x + 1   C) x (x + 1)   D) $\dfrac{x}{x+1}$

100. Who was declared the 'Time's person of the year 2015?

  A) Angela Merkel   B) Vladimir Putin   C) Barack Obama   D) David Cameron

KEY

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