

**RAILWAY RECRUITMENT BOARD, MUMBAI**  
**Ticket Collector (TC) Examination**  
**Exam Held on 5-11-2006**

➔ *Directions (Q. 1 to 5): Read each sentence to find out whether there is any grammatical error in it. The error if any will be one part of the sentence. The number of that part is the answer. If there is no error, the answer will be (d); i.e. "No error".*

1. It is not safe (a)/ to drive (b)/ in Kolkata in the rush hour. (c)/ No error (d)
2. I need cleaning (a)/ my shoes (b)/ with soap and water. (c)/ No error (d)
3. I discussed with the architect (a)/ what colour (b)/ painting the walls with. (c)/ No error (d)
4. Would you mind (a)/ help me (b)/ do the tasks. (c)/ No error (d)
5. I made him (a)/ to do (b)/ the project against his wishes. (c)/ No error (d)

➔ *Directions (Q. 6 to 10): In each of the following questions select the antonym of the given word.*

6. **Confuse**

- a) nonplus                      b) compound                      c) bewilder                      d) clarify

7. **Hinder**

- a) impede                      b) facilitate                      c) hamper                      d) facile

8. **Ruthless**

- a) sympathetic                      b) callous                      c) cruel                      d) smooth

9. **Prominent**

- a) apparent                      b) famous                      c) obscure                      d) notable

10. **Candid**

- a) frank                      b) secretive                      c) anxious                      d) inactive

➔ *Directions (Q. 11 to 15): In each of the following questions find out the correct synonym of the given word.*

11. **Dearth**

- a) shortage                      b) abundance                      c) famine                      d) mean

12. **Inhale**

- a) praise                      b) breathe in                      c) outburst                      d) exhale

13. **Acquit**

- a) convict                      b) know                      c) exonerate                      d) present

14. Notorious

- a) infamous                      b) famous                      c) wild                      d) sleeply

15. Morose

- a) happy                      b) slow                      c) sad                      d) quick

→ *Directions (Q. 16 to 20): Fill in the blanks with the correct word.*

16. His long illness has reduced him ..... a skeleton.

- a) by                      b) into                      c) to                      d) from

17. He will not succeed ..... he works hard.

- a) if                      b) incase                      c) until                      d) unless

18. The two of them shared the honours ..... themselves.

- a) in                      b) among                      c) between                      d) to

19. As a good citizen, we should abide ..... the rules.

- a) from                      b) to                      c) in                      d) by

20. Rekha has not made ..... progress in her assignment.

- a) many                      b) a lot of                      c) much                      d) a

21.  $\frac{12.1}{19.8}$

- a)  $\frac{7}{9}$                       b)  $\frac{11}{18}$                       c)  $\frac{13}{17}$                       d)  $\frac{11}{19}$

22. Find the least of a six digit number which is exactly divisible by 349.

- a) 101063                      b) 100163                      c) 160063                      d) None of these

23. Evaluation of  $7 \times 3^2 + 5 \times 4^3 \times 6^0 - 6 \times 2^6$  is .....

- a) (-1)                      b) 0                      c) (-321)                      d) 10

24. Find the square root of 535.9225

- a) 23.45                      b) 28.25                      c) 23.15                      d) 24.15

25. If CP Rs.2,516 and SP is Rs.2,272, then percentage loss is

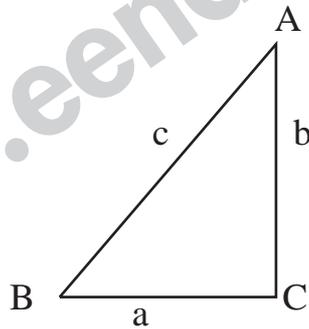
- a) 8.71%                      b) 7.43%                      c) 9.69%                      d) 10.28%

26. If the average temperature of first four days of week was  $39^\circ\text{C}$  and the average temperature of the week was  $40^\circ\text{C}$ , then what was the average temperature of the last three days of the week?

- a)  $40.9^\circ\text{C}$                       b)  $39.9^\circ\text{C}$                       c)  $42.1^\circ\text{C}$                       d)  $41.3^\circ\text{C}$

27. The number ..... can divide 111, 111, 111, 111.  
a) 9 and 11                      b) 13 and 11                      c) 3 and 9                      d) 3 and 11
28. What will be the simple form of the ratio 3 hours : 1 day?  
a) 1 : 6                      b) 1 : 3                      c) 1 : 8                      d) 1 : 25
29. Find the two numbers whose mean proportion is 12 and the third number is 324.  
a) 6 and 8                      b) 4 and 36                      c) 3 and 24                      d) None of these
30. The maximum marks for an examination is 900. A student fails by 43 marks if he gets 33% of the maximum marks, What are pass marks?  
a) 332                      b) 360                      c) 342                      d) 375
31. In how many years the simple interest on a sum of Rs.725 will be Rs.87 at 4% per annum?  
a) 1 year                      b) 5 years                      c) 3 years                      d) 4 years
32. What will be the difference between SI and CI on a sum of Rs.15,000 for two years at the same rate of interest of  $12\frac{1}{2}\%$  per annum?  
a) Rs.234.375                      b) Rs.230.550                      c) Rs.250.129                      d) Rs.324.357
33. The population of a town is  $4.2 \times 10^6$ . If the population increases by 75 per 1,000 per annum, then what will be population after two years?  
a) 4853625                      b) 5853615                      c) 4633628                      d) 5253495
34. The SP of a TV set is marked at Rs.17,600 including sales tax at the rate of 10%. Find the sales tax  
a) Rs.1,600                      b) Rs.1,250                      c) Rs.1,550                      d) Rs.1,660
35. 8 men can finish a certain amount of work in 40 days. If 2 more men join with them, the days needed to do the same amount of work is  
a) 30                      b) 32                      c) 36                      d) 25
36. A motorist travelled between two towns, which are 65 km apart, in 2 hours and 10 minutes. Find the speed in metres per minute.  
a) 600                      b) 500                      c) 700                      d) 200
37. If the length of the diagonal of a square is  $a + b$  then the area of the square is  
a)  $(a + b)^2$                       b)  $\frac{1}{2}(a + b)^2$                       c)  $a^2 + b^2$                       d)  $\frac{1}{2}(a^2 + b^2)$
38. AB and CD are lines, P is point on AB, A line PQ meets CD at R. If angle BPR = 30 degrees and angle CRQ = 150 degrees, then  
a) AB and CD are perpendicular                      b) AB and CD are parallel  
c) CD and PQ are perpendicular                      d) None of the above

39. How many metres of carpet 63 cm wide will be required to cover the floor of a room 14 m by 9 m?  
a) 200 m                      b) 210 m                      c) 220 m                      d) 185 m
40. The radius of a circular pond is 14 m. A circular stage is made at the centre of the pond whose diameter is 14 m, what is the area where water is present?  
a) 462 sq m                      b) 564 sq m                      c) 454 sq m                      d) 532 sq m
41. Simple interest of Rs.7,500, for 8 years at 6% per annum is:  
a) 4,200                      b) 3,600                      c) 2,800                      d) 3,400
42.  $2x + 4 = 2 + 3x$ , the value of x is,  
a) 2                      b) 4                      c) 1.5                      d) 3
43. Triangle  $ACB$  is right angled at C, If  $a = 5$ ,  $b = 12$ . The value of c is



- a) 13                      b) 14                      c) 14.5                      d) 12.5
44. A number of two digits is 6 times the sum of its digits. When the sum of its digits is added to the number, the result is 63. What is the number?  
a) 32                      b) 42                      c) 53                      d) 54
45. The result of division  $a^3 + b^3$  by  $a + b$  is  
a)  $a^3 - ab + b^2$                       b)  $a^2 + ab + b^3$                       c)  $a^2 - ab + b^2$                       d)  $a - ab - b^2$
46. A rectangular water tank is 5 m high, 3 m long and 2 m wide. How many litres of water can it hold?  
a) 30,000                      b) 15,000                      c) 25,000                      d) 35,000
47. A rectangle measures 8 cm on length. Its diagonal measures 10 cm. What is the perimeter of the rectangle?  
a) 36 cm                      b) 38 cm                      c) 28 cm                      d) 18 cm
48. A cricket player scored the following runs in 11 one day matches-  
65, 30, 7, 60, 65, 65, 30, 28, 30, 15, 30  
The modal score is  
a) 27 runs                      b) 30 runs                      c) 32 runs                      d) 31 runs

49. The cube root of  $(-2,16,000)$  is  
a)  $-60$                       b)  $60$                       c)  $-70$                       d)  $80$
50. What is the volume in cubic cm of a pyramid whose area of the base is  $25 \text{ sq cm}$  and height  $9 \text{ cm}$ ?  
a)  $105$                       b)  $90$                       c)  $60$                       d)  $75$
51. Who is considered the real founder of the Gupta Empire?  
a) Chandragupta - II                      b) Chandragupta - I  
c) Samudragupta                      d) Srigupta
52. Shahjahan ascended the Mughal throne in  
a)  $1628 \text{ AD}$                       b)  $1626 \text{ AD}$                       c)  $1625 \text{ AD}$                       d)  $1627 \text{ AD}$
53. Which is correct order?  
a) Babar, Humayun, Jahangir, Akbar, Shahjahan, Aurangzeb  
b) Babar, Humayun, Akbar, Jahangir, Shahjahan, Aurangzeb  
c) Babar, Akbar, Humayun, Shahjahan, Jahangir, Aurangzeb  
d) Babar, Humayun, Shahjahan, Akbar, Jahangir, Aurangzeb
54. Ibn Battuta visited India during the rule of  
a) Alauddin Khilji                      b) Ghiyasuddin Tughlaq  
c) Sher Shah Suri                      d) Mohammad-bin-Tughlaq
55. Who was the Nawab of Bengal during 'Battle of Plassey'?  
a) Siraj-ud-daula    b) Mir Jafar                      c) Mir Qasim                      d) None of these
56. FIFA World Cup, 2006 was played in  
a) Germany                      b) France                      c) Spain                      d) UK
57. Munaf Patel plays which sport?  
a) badminton                      b) football                      c) cricket                      d) table-tennis
58. The first Asian lady swimmer to have crossed the English Channel was  
a) Bula Choudhary                      b) Arati Saha  
c) Nilima Ghosh                      d) None of these
59. Which country has never won the Cricket World Cup?  
a) India                      b) Pakistan                      c) Sri Lanka                      d) England
60. Which cricket playing countries fight for the 'ASHES'?  
a) India and Pakistan  
b) Australia and South Africa

- c) Australia and England
- d) England and West Indies

61. Who was the first Law Minister of Independent India?  
a) Jawaharlal Nehru  
b) Vallabhbhai Patel  
c) Maulana Abdul Kalam Azad  
d) Dr.B.R. Ambedkar
62. Who was the first speaker of the Lok Sabha?  
a) BR Ambedkar  
b) G.V. Mavlankar  
c) N. Sanjeeva Reddy  
d) Dr. S.P. Mukherjee
63. How many states (except Delhi) are there in India?  
a) 28  
b) 29  
c) 25  
d) 30
64. Which country won the first World Cup Cricket?  
a) Australia  
b) India  
c) England  
d) West Indies
65. Who was the woman President of the United Nations General Assembly?  
a) Sarojini Naidu  
b) Vijayawada Lakshmi Pandit  
c) Golda Mayer  
d) Margaret Thatcher
66. Who was the first man to land on moon?  
a) Neil Armstrong  
b) Edwin  
c) Gagarin  
d) John collins
67. One inch is equal to how many centimetres?  
a) 2.54  
b) 2.84  
c) 2.94  
d) 3.0
68. Bronze is an alloy of copper and .....  
a) nickel  
b) tin  
c) zinc  
d) aluminium
69. Minus 40 degree centigrade is equal to ..... degree fahrenheit.  
a) 104  
b) 122  
c) -40  
d) none of these
70. What is the value of XC (Roman number)?  
a) 100  
b) 40  
c) 110  
d) 90
71. The person of which of the following blood groups can accept the blood of any group?  
a) AB  
b) O  
c) A  
d) B

72. Mountain K<sub>2</sub> is Known as  
a) Everest                      b) Nanga parbat                      c) Godwin                      d) Nanda Devi
73. Lucknow is situated on the banks of river  
a) Yamuna                      b) Tapti                      c) Shipra                      d) Gomti
74. Who won the Golden Ball Award during FIFA World Cup 2006?  
a) Ronaldo                      b) Klose                      c) Ronaldinho                      d) Zidane
75. Who is the Chief Minister of Orissa?  
a) K.C. Singhdeo                      b) Nandini Satyaji  
c) Navin patnaik                      d) Rameshwar Thakur
76. Who is the Finance Minister of India?  
a) Manmohan Singh                      b) P. Chidambaram  
c) Muarsoli Maran                      d) Pranab Mukherjee
77. Where is the headquarters of South-East Central Railway located?  
a) Bilaspur                      b) Jabalpur                      c) Bhopal                      d) Raipur
78. Which of the following places in India receives maximum precipitation?  
a) Itanagar                      b) Mawsynram                      c) Cherrapunjee                      d) Tezpur
79. Who was elected the President of the Cricket Association of Bengal (CAB) in July 2006?  
a) Prasen Mukherjee                      b) Ajit Panja  
c) Jagmohan Dalmilya                      d) Saurav Ganguly
80. In a certain code language CLOUD is written as FORXG. How will the word RAINY be written in that code language?  
a) TILOZ                      b) UDLQB                      c) MDJOX                      d) STLNR
81. In certain code language FLAUNT is written as DNYWLV. How will WAGONG be written in that code language?  
a) UYEMLQ                      b) YCIQPU                      c) CYEPQU                      d) UCEQLI
82. What will be the next term of the given series?  
1, 4, 10, 19, 31, 46, ?  
a) 64                      b) 61                      c) 58                      d) 55
83. What will be the next term of the given series?  
17, 23, 19, 25, 21, 27, ?  
a) 22                      b) 23                      c) 24                      d) 29

84. Find the odd man out

- a) ATNIR                      b) CUTKR                      c) ADRO                      d) TMAR

85. Find the odd man out

- a) RTCROA                      b) JLBNIRA                      c) ATMOOT                      d) ANANBA

86. Curd : Milk :: Oil : ?

- a) Paper                      b) Coconut                      c) Falme                      d) Lamp

87. Ambition : Desire :: Ability : ?

- a) Capacity                      b) personality                      c) Hobby                      d) Ego

88. Find the odd man out

- a) 729                      b) 125                      c) 216                      d) 625

89. In which of the following States Nahargarh Wild life Sancturary is located?

- a) Uttar pradesh                      b) Rajasthan                      c) Madhya pradesh                      d) Orrisa

90. Find the odd man out.

- a) Rhine                      b) Nile                      c) Amazon                      d) Spinach

91. Find the missing number.

|    |     |     |
|----|-----|-----|
| 81 | 121 | 225 |
| 9  | 11  | 15  |
| 63 | ?   | 105 |

- a) 77                      b) 68                      c) 54                      d) 52

92. Find the missing number.

|    |    |    |
|----|----|----|
| 21 | 17 | 13 |
| 12 | 19 | 19 |
| 9  | 14 | 17 |
| 24 | 22 | ?  |

- a) 12                      b) 15                      c) 18                      d) 20

93. Seema and Reena are Sam's wives. Rita is Reena's step daughter. How is Seema related to Rita?

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

94. Rita introduced Ram to her husband and said 'Ram's brother's father is the only son of my grandfather'. How is Rita related to Ram?

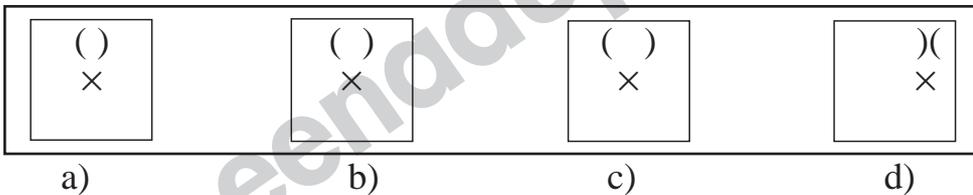
- a) Mother                      b) Sister                      c) Niece                      d) Aunt

95. A started from his house, walked 15 m in front, then 15 m to right and then turning to his left he walked 10, 20 and 25 m. How far is A from his house now?  
 a) 85 m                      b) 30 m                      c) 15 m                      d) 5 m

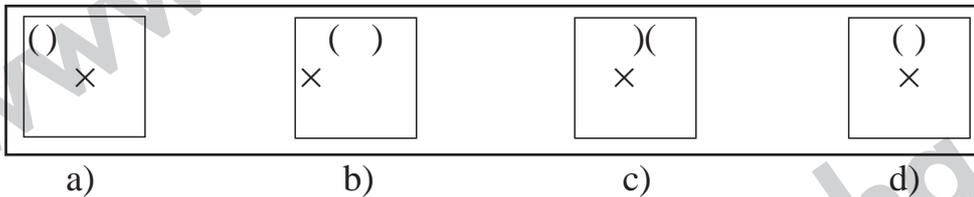
96. If South - East becomes East, North - West becomes West, South - West becomes South and so on, what will North become?  
 a) North - West      b) South - West      c) North - East      d) South - East

➔ **Directions (Q. 97 and 98):** Each of the following problems contains four problem figures I, II, III and IV. The correct next figure in series must be selected from the answer figures (a), (b), (c), (d).

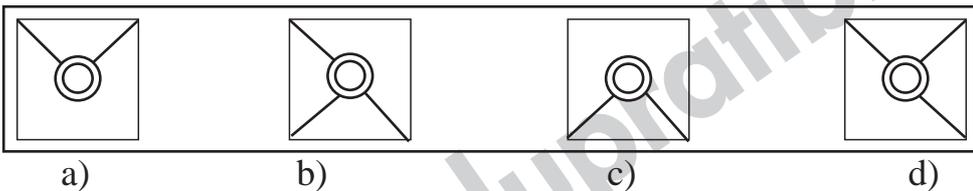
97. Problem Figures



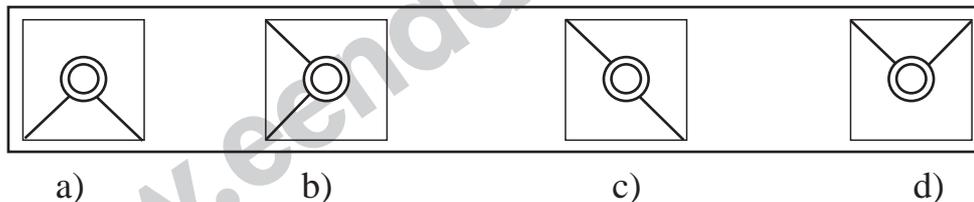
Answer Figures



98. Problem Figures

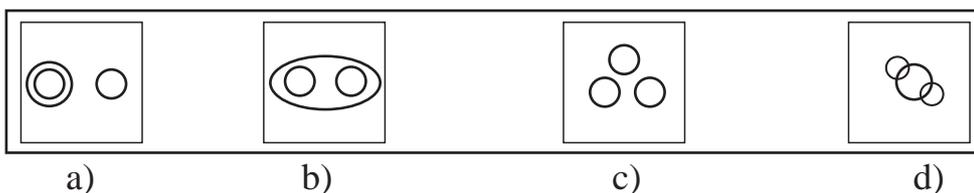


Answer Figures



➔ **Directions (Q. 99 and 100):** Which of the given Venn diagrams out of (a), (b), (c) and (d) correctly illustrates the relationship among the following classes?

99. Birds, Eagle, Ostrich



100. City, District, Panchayat



a)

b)

c)

d)

**ANSWERS**

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