

RRB SECUNDERABAD

Non Technical Exam – Held on 29-03-2016

(Based on Memory)

1. In which state did the ancient kingdom of Kamrup exist?
A) Rajasthan B) Manipur C) Assam D) Kerala
2. After allowing a discount of 20% on Marked Price Kishore makes a profit of 12%. What percentage is the Marked Price above the Cost Price?
A) 40% B) 32% C) 25% D) 8%
3. Simplify : $\frac{3}{7\frac{1}{2}} + \frac{3}{3\frac{1}{7}}$
A) $1\frac{3}{11}$ B) $1\frac{4}{11}$ C) $2\frac{3}{7}$ D) $2\frac{4}{7}$

Directions (Q.No:4 – 6): Read the following information and answer the following questions below.

Some boys and girls are standing in a row.

The first girl is followed by 1 boy, the second by 2 boys and so on. There are 35 boys and girls in the line.

4. How many boys are there between position 5 and 17?
A) 12 B) 10 C) 8 D) 13
5. How many girls are there?
A) 6 B) 7 C) 8 D) 9
6. How many girls are there between position 21 and 30?
A) 1 B) 2 C) 3 D) None
7. In which year was the Berlin wall demolished?
A) 1999 B) 1989 C) 1982 D) 2000
8. A sold cycles for Rs.3480 @ 20% profit. Find the cost price
9. Umami is
10. A ladder leans against a building. The foot of the ladder is 6 m away from the building. The ladder reaches a height of 14 m on the building. Find the length of the ladder?
11. Which of the following process rids the atmosphere of carbon dioxide?
12. If 15% of $x\% = 1.2\%$, find x .

13. If P is the brother of the son of Q's son, how is P related to Q?
 A) Son B) Cousin C) Grandson D) Grandparent
14. Mode and Median of 8, 6, 7, 8, 7, 8, 6, 8, 6.
 A) 8, 7 B) 7, 8 C) 6, 8 D) 8, 6
15. L.C.M. of two numbers is 78, their ratio is 2 : 3, then sum of two numbers is?
 A) 55 B) 65 C) 45 D) 35
16. 3 shirts costs 1000 rupees, on purchasing of 3 shirts shopkeeper allows one shirt for free of cost. What percent of discount was allowed?
 A) 25% B) $33\frac{1}{3}\%$ C) 50% D) $37\frac{1}{2}\%$
17. Which of these particles has a positive charge?
 A) Neutron B) Proton C) Electron D) Krypton
18. What is the term RADAR derived from?
 A) Retro Diagnosis And Recognition B) Radio Detection And Resolution
 C) Rapid Detection And Reaction D) Radio Detection And Ranging
19. What is a lemur?
 A) A bone in human body B) A type of cancerous growth
 C) A simple machine D) An animal found in Madagascar
20. If $x = +$, $y = \times$, $z = -$, find $3 \times 4 y 2 z 9$.
 A) 2 B) 9 C) 7 D) 5
21. If HAPPY = 66, SORROW = 108, what is LAUGH = ?
 A) 72 B) 49 C) 87 D) 24
22. What is a tomato?
 A) Vegetable B) Fruit C) Legume D) Edible stem
23. A can finish a work in 40 days and B can finish the same work in 30 days. How long will it take for them to finish the work if working together?
 A) $17\frac{1}{7}$ B) 70 C) $22\frac{1}{7}$ D) $29\frac{1}{7}$
24. Pollination by wind is called?
 A) Hydrophily B) Pollinophily C) Anemophily D) Herbophily
25. The oath of office of a President of India is conducted by
 A) Prime Minister B) Speaker of Lok Sabha
 C) Chief Election Commissioner D) Chief Justice of India
26. Which of the following natural events cause an earthquake?
 A) Grass hopper invasions B) Hurricane
 C) Eclipse of the moon D) Volcanic eruptions
27. If your weight is 38 kg on Earth, how much would you weigh on the planet Mercury?
 A) 19 kg B) 760 kg C) 10 kg D) 14.3 kg

42. Find the odd one out: 49, 63, 77, 119
 A) 63 B) 49 C) 119 D) 77
43. Simplify: $8\frac{1}{3} \times 4\frac{1}{5} \times 4\frac{1}{4}$
 A) $4\frac{2}{5}$ B) $5\frac{3}{4}$ C) $7\frac{1}{3}$ D) $6\frac{2}{3}$
44. Which of the following has the maximum number of legs?
 A) Spider B) Millipede C) Centipede D) Dragonfly
45. What is the maximum runs a batsman can score in an over and still retain strike for the next over, excluding no balls, wides or overthrows?
 A) 36 B) 34 C) 35 D) 31
46. 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. Apples are red.
 2. No red colored fruits are cheap.
Conclusions: I. All apples are cheap.
 II. Red colored apples are not cheap.
 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 I and II follow D) Neither I nor II follow
47. A lady introduces a man and says "his daughter is the only grandchild of my father".
 How is the man related to the lady?
 A) Husband B) Father C) Uncle D) Son
48. Which is the only organ in the human body that can regrow, regenerate?
 A) Spleen B) Brain C) Liver D) Pancreas
49. What can split sunlight into its constituent colours?
 A) Refraction B) Reflection C) Retraction D) Radiation
50. Where can you find the Kunchikal waterfalls?
 A) Kerala B) Karnataka C) Andhra Pradesh D) Telangana
51. If $(a + b)^2 = 100$ and $a : b = 1 : 3$ find ab .
 A) 10 B) 14.50 C) 18.75 D) 20.50
52. Find a, if $\frac{16}{a} = \frac{1}{\sqrt{0.25}}$
 A) 8 B) 4 C) 5 D) 9
53. From a point 20 m away from the foot of a tower the angle of elevation from the top of the tower is 60° . Find the height of the tower.
 A) 30.6 m B) 34.6 m C) 36.4 m D) 36 m

54. A train is running at a speed of 160 km/hr, and it is 180 m long. In what time will it pass a pole?
A) 4.05 sec B) 3 sec C) 3.2 sec D) 8 sec
55. Name the official language of Brazil?
A) Portugese B) German C) French D) Brazilian
56. Which is the brightest star in our night sky?
A) Canopus B) Sirius C) Vega D) Spica

KEY

1-C; 2-A; 3-B; 4-C; 5-B; 6-A; 7-B; 8-B; 9-B; 10-C; 11-A; 12-C; 13-C; 14-A; 15-B; 16-B; 17-B; 18-D; 19-D; 20-A; 21-B; 22-B; 23-A; 24-C; 25-D; 26-D; 27-D; 28-A; 29-D; 30-A; 31-D; 32-B; 33-C; 34-B; 35-C; 36-B; 37-D; 38-A; 39-D; 40-D; 41-A; 42-C; 43-D; 44-B; 45-D; 46-B; 47-A; 48-C; 49-A; 50-B; 51-C; 52-A; 53-B; 54-A; 55-A; 56-B.