# 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 : $\dfrac{3}{7\frac{1}{2}} + \dfrac{3}{3\frac{1}{7}}$

    A) $1\dfrac{3}{11}$      B) $1\dfrac{4}{11}$      C) $2\dfrac{3}{7}$      D) $2\dfrac{4}{7}$

*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 ........

    A) Rs.2784      B) Rs.2900      C) Rs.2874      D) Rs.3122

9.  Umami is ........

    A) A branch of medicine      B) A type of taste

    C) A type of metal      D) A band group

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?

    A) 13      B) 14      C) 15      D) 16

11. Which of the following process rids the atmosphere of carbon dioxide?

    A) Photosynthesis      B) Biodegradation      C) Electrolysis      D) Galvanization

12. If 15% of x% = 1.2%, find x.

    A) 12      B) 10      C) 8      D) 15

**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 = ×, z = −, find 3 x 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

**28.** There are 3 heaps of rice weighing 120 kg. 144 kg and 204 kg. Find the maximum capacity of a bag so that the rice of each heap can be packed in exact number of bags?

A) 12      B) 10      C) 15      D) 18

**29.** Who wrote Malavikagnimitram?

A) Bhasa      B) Kaviraya      C) Banabhatta      D) Kalidasa

**30.** Which revolutionary took his own life?

A) Khudiram Bose      B) Rash Behari Bose

C) Bhagat Singh      D) Chandrashekhar Azad

**31.** Find the area of a circular field with a circumference of 22 cm.

A) 22 sq.cm      B) 11 sq.cm      C) 44 sq.cm      D) 38.5 sq.cm

**32.** The HCF of two numbers is 24, which of the following can be its LCM?

A) 118      B) 144      C) 128      D) 136

**33.** A dealer sell two chairs for Rs.462. On one he gains 12% and on the other loses 12%. Which of the following is true?

A) He gains Rs.110      B) He gains Rs.13.50

C) He neither gains nor loses      D) He loses Rs.13.50

**34.** For what value of x, if mode for the following data would be 52 ?

52, 45, 49, 54, 56, 52, x − 3, 56

A) 52      B) 55      C) 54      D) 56

**35.** What is the retirement age of Supreme Court judges?

A) 61 years      B) 63 years      C) 65 years      D) 68 years

**36.** Which individual has won the maximum gold medals in an Olympic games?

A) Mark Spitz      B) Michael Phelps      C) Matt Biondi      D) Michael Smith

**37.** In an examination the mean of marks scored by a class of 40 students was calculated as 72.5. Later on it was discovered that marks of one student was wrongly taken as 48 instead of 84. Find the corrected mean?

A) 78.25      B) 60.25      C) 72.70      D) 73.4

**38.** What is Graphene?

A) An allotrope of carbon      B) A popular graphics software

C) A mythical animal      D) An infected wound

**39.** If 50 men do a work in 20 days how long will it take for 18 men to complete the work?

A) 12      B) $15\dfrac{1}{4}$      C) 20      D) $55\dfrac{5}{9}$

**40.** In a particular code language ACCOUNT is written as NPPBHAG, then ONLINE will be written as .............

A) DISTIA      B) ZANRTG      C) BTODFK      D) BAYVAR

**41.** Where is the Island of Seychelles located?

A) Indian Ocean      B) Pacific Ocean      C) Atlantic Ocean      D) The Southern Ocean

**42.** Find the odd one out:  49, 63, 77, 119

A) 63　　　　　　　　B) 49　　　　　　　　C) 119　　　　　　　D) 77

**43.** Simplify:  $8\dfrac{1}{3} \times 4\dfrac{1}{5} \times 4\dfrac{1}{4}$

A) $4\dfrac{2}{5}$　　　　　B) $5\dfrac{3}{4}$　　　　　C) $7\dfrac{1}{3}$　　　　　D) $6\dfrac{2}{3}$

**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  $\dfrac{16}{a} = \dfrac{1}{\sqrt{0.25}}$

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.