

RRB SET 4

1. What is the purpose of recently launched honey bee sound system scheme?
 - a. Promoting Beekeeping
 - b. saving the bees
 - c. Protecting elements from rail tracks
 - d. none of the above
2. Which of the following trains completed its 88 years of service in 2018?
 - a. Shatabdi
 - b. Shimla kalka
 - c. Palace on wheels
 - d. Deccan queen
3. Which Metro rails has become India's largest metro network?
 - a. Delhi
 - b. Hyderabad
 - c. Bengluru
 - d. Lucknow
4. Which city traffic police has launched a mobile app 'Police-E-eye' for the public to report on traffic violations to police and to keep a check on the same?
 - a. Lucknow
 - b. Hyderabad
 - c. Delhi
 - d. Coimbatore
5. Current railway minister is:
 - a. Suresh prabhu
 - b. Ashwani lohani
 - c. Piyush goyal
 - d. Rajan sinha

6. UMLC stands for

- a. unmanned railway level crossing
- b. unmannned railway level crossing
- c. unmannned railway level crossing
- d. none of the above

7. Which of the following represents the pair of sex chromosomes in men?

- a. XX
- b. YY
- c. XY
- d. YX

8. Who appoints the chairman of UPSC in India?

- a. Chief justice of India
- b. Home Minister
- c. Prime minister of India
- d. President of India

9. Capital of Peru is

- a. Lima
- b. Brasilia
- c. Montreal
- d. None of these

10. Who is the 'cricketer of the year' in the 6th edition of Wisden India Almanack?

- a. Virat kohli
- b. K L Rahul
- c. Cheteswar pujara
- d. Suresh Raina

11. Rayon is

- a. Natural Fibre

b. Artificial fibre

c. Alloy

d. Composite

12. Hardest form of carbon is:

a. Coke

b. Fullerene

c. Diamond

d. Graphite

13. Which country is also known as 'low country' of the earth ?

a. Hungary

b. Bulgaria

c. Holland

d. Poland

14. Highest mountain peak in the African continent is:

a. Mount everest

b. Mount Kilimanjaro

c. Mount Algan

d. N.O.T.

15. In which city ' woman of india organic festival' inaugurated?

a. Delhi

b. Jaipur

c. Hyderabad

d. Mumbai

16. Continuty equation is based on

a. conservation of energy

b. conservation of mass

c. conservation of linear momentum

d. conservation of angular momentum

17. Law of conservation of linear momentum can be derived from

a. 1st law of motion

b. 2nd law of motion

c. 3rd law of motion

d. Bernauli principle

18. NaOH is known as

a. Baking soda

b. Washing soda

c. Caustic soda

d. Soda lime

19. 15⁰C is equal to

a. 27⁰F

b. 288⁰F

c. 49⁰F

d. 59⁰F

20. Osteomalacia is caused due to the deficiency of

a. Vitamin B

b. Vitamin C

c. Vitamin D

d. Vitamin K

21. Best conductor of electricity is

a. Silver

b. Copper

c. Aluminium

d. Diamond

22. After Pollination and fertilization, which part of the carpel becomes the fruit?

- a. Stigma
- b. Stroma
- c. Entire carpel
- d. Ovary

23. Which of the following category of viruses don't replicate themselves ?

- a. Trojan horse
- b. Worms
- c. Boot section virus
- d. spyware

24. Heavy alcohol consuming people generally die of

- a. cirrhosis
- b. Liver or stomach cancer
- c. Blood cancer
- d. Weakening of heart muscles leading to cardiac arrest

25. The branch of agriculture which deals with feeding, shelter, health and breeding of domestic animals is called as

- a. Poultry
- b. Veterinary science
- c. Animal husbandry
- d. none of the above

26. Radioactive strontium-90 causes:

- a. Blood cancer
- b. Skin cancer
- c. Bone cancer
- d. Brain cancer

27. The concentration of which of the following decrease in anemia?

- a. Myosin

- b. Collagen
- c. Haemoglobin
- d. Hyglobin

28. Sound cannot pass through

- a. water
- b. air
- c. steel
- d. vacuum

29. The atmospheric air is held to the earth by

- a. clouds
- b. winds
- c. gravity
- d. earth rotation

30. Pressure cooker cooks faster because

- a. boiling point decreases with rise in pressure
- b. higher temperature is attained for cooking
- c. it cooks the food at low pressure
- d. it cooks the food at low temperature

31. The oil in the wick of lamp rises due to

- a. capillary action
- b. gravity force
- c. pressure difference
- d. cohesion phenomena

32. The pitch of the sound depends on

- a. frequency
- b. intensity
- c. velocity

d. amplitude

33. Soap is prepared by boiling NaOH with

a. kerosene

b. alcohol

c. fats

d. glycerine

34. Glycol is added to aviation petrol to

a. reduce evaporation of petrol

b. prevent its freezing

c. reduce its consumption

d. increase its efficiency

35. Bleaching powder is used as

a. antiseptic

b. coagulant

c. antibiotic

d. disinfectant

36. Bhopal gas tragedy occurred in

a. 2005

b. 1986

c. 1984

d. 1996

37. Silicone is a polymer of

a. tetra alkyl silane

b. dialkyl dichloro silane

c. silicon tetrachloride

d. silane

38. Tetra ethyl lead is a

- a. antioxidant
- b. reductant
- c. antiknock compound
- d. catalyst for burning fossil fuels

39. Who among the following made important contribution to study of atoms?

- a. Nikola Tesla
- b. Albert Einstein
- c. Mandeleev
- d. Neils Bohr

40. Highest pH value that any substance can have

- a. 7
- b. 15
- c. 14
- d. infinite

41. Which of the following contains Mg and Ca?

- a. Siderite
- b. Magnetite
- c. dolomite
- d none of the above

42. Mineral which helps in absorbing oxygen in the blood

- a. iron
- b. zinc
- c. potassium
- d. calcium

43. Which vitamin is considered to be a hormone?

- a. vitamin A
- b. vitaminD

c. vitamin K

d. vitamin C

44. Father of medicine is

a. Linnaeus

b. Charls Darwin

c. Aristotle

d. Hippocrates

45. Ricket is caused due to

a. vitamin A

b. vitamin B

c. vitamin C

d. vitamin D

46. Select odd one out:

a. rival

b. opponent

c. foe

d. ally

47. Complete the series:

AB CD EF GH ?

a. IJ

b. JK

c. KL

d. LM

48. Pen:write::?:?

a. Erase:Rubber

b. Pencil:wood

c. Cup:liquid

d. Knife:cut

48. $\begin{matrix} & 8 & & \\ 6 & 5 & 4 & \\ & 7 & & \end{matrix}$

$\begin{matrix} & 12 & & \\ 9 & 6 & 8 & \\ & 7 & & \end{matrix}$

$\begin{matrix} & 9 & & \\ 10 & ? & 16 & \\ & 14 & & \end{matrix}$

a. 6

b. 7

c. 8

d. 9

49.

24	144	384
6	36	?
2	12	32
1	6	16

a. 80

b. 92

c. 96

d. 26

50. If SIR is coded as PSPIPR then MAN can be coded as

a. PMANP

b. PMPNPA

c. PMPAPN

d. APMPNP

51. A man is facing east, then he turns left and goes 10 m then turns right and goes 5 m then goes 5m to south and then 5m to west. In which direction is he from the initial position?

a. south

b. west

c. north

d. east

52. Choose odd one out:

a. bulb

- b. heat
- c. light
- d. electricity

53. If $A = 1$ and $CAT = 24$ then $POLICE = ?$

- a. 56
- b. 58
- c. 60
- d. 63

54. A prisoner introduced a boy as "Brothers and sisters I have none, he is my father's only son's son". How is that boy related to the prisoner?

- a. Nephew
- b. Son
- c. Cousin
- d. Uncle

55. M and F are married couple. A and B are sisters. A is the sister of F. Who is B to M?

- a. sister
- b. sister in law
- c daughter
- d brother in law

56. The bus for Chennai leaves every 30min from a bus depot. The enquiry clerk told a passenger that the bus for Chennai left 10min ago and the next bus will leave at 10:30am. At what time this conversation occurred?

- a. 10:20am
- b. 10:10pm
- c. 10:10am
- d. 10:01am

57. A clock gains 5min every hour . What will be the angle traversed in degrees by second hand in 1min?

- a. 375
- b. 380
- c. 385
- d. 390

58. Hard work is poor man's wealth.

Conclusions:

- a. A poor man is always a hard worker.
- b. A wealthy man is always a hard worker.
- c. A poor man earns wealth through his hard work.
- d. A poor man can earn wealth if he is a hard worker.

59. Which of the following word can't be formed by using the letters of AUTOGRAPHS

- a. GREAT
- b. TROUGH
- c. PATHOS
- d. GRAPH

60. In a row of trees, one tree is at 4th position from either side. The total no. of trees in the row is:

- a. 6
- b. 7
- c. 8
- d. 9

61.

AZ	BY	CX
DW	EV	FU
GT	?	IR

- a. HL
- b. HS
- c. IJ
- d. JL

62. $\begin{array}{ccc} 144 & 132 & 121 \\ 64 & ? & 100 \end{array}$

- a. 45
- b. 90
- c. 70
- d. 80

63. Arrange the words in order as in dictionary

1. quiet 2. quite 3. Quit 4. Quest 5. Quilt

- a. 5,1,2,4,3
- b. 3,5,1,4,2
- c. 4,1,5,2,3
- d. 2,4,5,1,3

64. Arun runs faster than Elias, but not as fast as Dinesh. Dinesh runs faster than Chandan but not as fast as Vikram. Who is the fastest?

- a. Vikram
- b. Arun
- c. Elias
- d. Dinesh

65. 5 people are sitting in a row facing you. Y is at the left of X, W is sitting at the right of Z. V is sitting at the right of X and W is sitting at the left of Y. If Z is sitting at one end then who is in the middle?

- a. X
- b. V
- c. W
- d. Y

66. Reduce $\frac{391}{667}$ to the lowest term

- a. $\frac{17}{19}$
- b. $\frac{14}{23}$

c. $\frac{29}{17}$

d. $\frac{17}{29}$

67. Find the remainder when 2^{31} is divided by 5.

a. 2

b. 3

c. 4

d. 1

68. Find the HCF of 0.63, 1.05, 2.1?

a. 2.1

b. 0.21

c. 21

d. 2.12

69. Find the greatest number which on dividing 1657 and 2037 leaves remainder 6 and 5 respectively?

a. 127

b. 64

c. 73

d. 85

70. The value of $4.1\bar{2}$ is _____

a. $4\frac{11}{99}$

b. $4\frac{12}{99}$

c. $4\frac{11}{90}$

d. $6\frac{7}{15}$

71. Simplify: $\left[3\frac{1}{4} \div \left\{1\frac{1}{4} - \frac{1}{2}\left(2\frac{1}{2} - \frac{1}{4} - \frac{1}{6}\right)\right\}\right]$

a. $\frac{39}{8}$

b. 39

c. 52

d. 78

72. Mr. Bhaskar is on tour and he had 360 for his expenses. If he exceeds his tour by 4 days, he must cut down his daily expenses by Rs. 3. For how many days he is on tour?

a. 10

b. 20

c. 25

d. 30

73. $\frac{1}{5}$ th of a tank contains 40 litre of water. What part of the tank is full if there is 100 litre of water in the tank?

a. $\frac{1}{3}$

b. $\frac{1}{4}$

c. $\frac{1}{2}$

d. $\frac{5}{5}$

74. The difference between the numbers is 11 and $\frac{1}{5}$ th of their sum is 9. Then the bigger no. is _____

a. 17

b. 28

c. 24

d. 18

75. The sum of a natural number and its reciprocal is $\frac{1}{8}$ th of 34. What is the no. ?

a. $\frac{1}{4}$

b. $\frac{1}{2}$

c. 2

d. 4

76. The product of two natural numbers is 17. Then the sum of the reciprocals of their square is _____

a. $\frac{289}{290}$

b. $\frac{290}{289}$

c. $\frac{1}{289}$

d. $\frac{1}{290}$

77. The sum and difference of two numbers are 20 and 8 respectively. The difference of their cubes is

a. 2528

b. 2158

c. 150

d. 148

78. One year ago, the ratio of A's and B's age was 6:7 respectively. 4 yrs hence this ratio will be 7:8. How old is B now?

a. 30

b. 32

c. 34

d. 36

79. Which one is larger $\sqrt{2}$, 1, $\sqrt[3]{2}$ or $\sqrt[3]{3}$?

a. $\sqrt[3]{3}$

b. $\sqrt{2}$

c. $\sqrt[3]{2}$

d. 1

80. In a fraction if numerator is increased by 40% and denominator is increased by 80%, then what fraction of the original is new one?

a. $\frac{1}{9}$

b. $\frac{7}{9}$

c. $\frac{5}{9}$

d. $\frac{4}{9}$

81. Depreciation applicable to an equipment is 20%. The value of equipment 3 yr from now will be less by _____%.

- a. 48.8
- b. 41.5
- c. 42.5
- d. 51.20

82. A's salary is 50% more than that of B. How much % B's salary less than A's?

- a. 50
- b. 33.33
- c. 31.25
- d. 33.25

83. A man buys an article for Rs. 27.50 and sells it for Rs. 28.60. Find his gain %.

- a. 1
- b. 2
- c. 3
- d. 4

84. Find a single discount that is equivalent to a series discount of 10%,20%and 15%.

- a. 32.5%
- b. 38.8%
- c. 61.20%
- d. 25%

85. A mixture contains alcohol and water in the ratio 4:3. If 5 litre of water is added to the mixture, the ratio becomes 4:5. Find the quantity of alcohol in the mixture in litres?

- a. 10
- b. 10.2
- c. 15
- d. 17.5

86. The fourth proportional to 5,8,15 is:

- a. 18
- b. 20
- c. 22
- d. 24

87. A, B and C enters into partnership. A invests 3 times as much as B. B invests $\frac{2}{3}$ of what C invests. At the end of the year, the profit earned is Rs. 6600. What is the share of B?

- a. Rs.200
- b. Rs.400
- c. Rs.1800
- d. Rs.1200

88. A can do a job in 20 days. B is 25% more efficient than A then time taken by B to do the same job is

- a. 12
- b. 16
- c. 18
- d. 20

89. What will be the ratio of simple interest earned by certain amount at the same rate for 6yr and same for 9 yr?

- a. 1:1
- b. 3:2
- c. 2:4
- d. 2:3

90. A sum of money amounts to Rs. 6690 after 3 yrs and to Rs. 10,035 after 6 yrs on compound interest. Find the sum?

- a. Rs.4212
- b. Rs.5260
- c. Rs.4460
- d. Rs.2260

91. The surface area of a cube is 600m^2 then its volume is _____ m^3 .

- a. 10
- b. 100
- c. 1000
- d. 1020

92. How many spherical bullets can be made out of a lead cylinder 28cm high and with base radius 6cm, each bullet being 1.5 cm in diameter?

- a. 692
- b. 1620
- c. 1792
- d. 1825

93. How many bricks of dimensions $25\text{cm} \times 11.5\text{cm} \times 6\text{cm}$, will be needed to build a wall $8\text{m} \times 6\text{m} \times 22.5\text{cm}$?

- a. 3200
- b. 6400
- c. 6000
- d. 7200

94. In a km race, A beats B by 28m or 7seconds. Find A's time over the course?

- a. 243sec
- b. 250sec
- c. 257sec
- d. 267sec

95. Find the cost of Rs. 6400, 10% stock at 15 discount?

- a. Rs. 5200
- b. Rs. 5440
- c. Rs. 5605
- d. Rs. 6450

96. How many words can be formed by using all the letters of DELHI?

- a. 8
- b. 24
- c. 86
- d. 120

97. A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in:

- a. 15days
- b. 20days
- c. 25days
- d. 35days

98. A, B and C together earn Rs. 300 per day while A and C earn Rs. 188 and B and C earn Rs.152. The daily earning of C is:

- a. Rs. 30
- b. Rs. 40
- c. Rs. 45
- d. Rs. 50

99. Find the missing term in the given series:

5, 30, 155, 780, ?

- a. 3805
- b. 3900
- c. 3905
- d. 4100

100. Find the missing term?

248:3::328:?

- a. 2
- b. 3
- c. 4
- d. 5