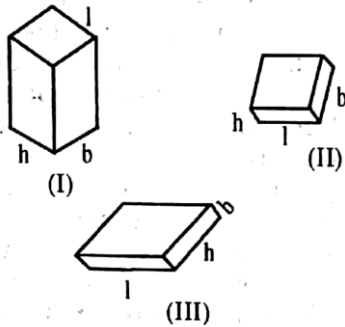# RRB Ahmedabad Asstt. Loco Pilot

1. In India the frequency of A.C. Mains is:
   A. 50 c/s   B. 60 c/s
   C. 100 c/s   D. 220 c/s
   Ans. A

2. During whose reign was the capital of India transferred from Kolkata to Delhi?
   A. Lord Minto   B. Lord Irwin
   C. Lord Curzon   D. Lord Harding
   Ans. D

3. Which amongst the following is an example of chemical change?
   A. Evaporation of sea water
   B. Melting of ice
   C. Burning of magnesium
   D. Reduction of iodine
   Ans. C

4. Who amongst the following is know as the father of the Russian Revolution?
   A. Karenski   B. Trotsky
   C. Karl Marx   D. Lenin
   Ans. D

5. In which session, did Congress declare 'Purna Swaraj' as, its goal:
   A. Lahore session, 1929
   B. Nagpur session, 1920
   C. Allahabad session, 1942
   D. Wardha session, 1942
   Ans. A

6. Mahatma Gandhi began his Dandi March in:
   A. March, 1920   B. April, 1940
   C. March, 1930   D. August, 1942
   Ans. C

7. Fuse wire is made of:
   A. 63% Tin and 37% Lead
   B. 63% Lead and 37% Tin
   C. 63% Tin and 37% Aluminium
   D. 63% Lead and 37% Aluminium
   Ans. A

8. If in a code language FHQK means GIRL, then what will be the meaning of RNES?
   A. SOFT   B. PAST
   C. MOST   D. HOST
   Ans. A

9. Which scientist discovered DDT?
   A. Dr. Pal Muller
   B. Dr. Robert coach
   C. G. Domague
   D. Harvey
   Ans. A

10. What is the use of barometer?
    A. To measure air pressure
    B. To determine the relative density
    C. To measure the depth of ocean
    D. To measure the height of aeroplane
    Ans. A

11. The period of Harappa Civilisation was:
    A. 3500 – 2000 BC
    B. 2500 – 1750 BC
    C. 3000 – 1000 BC
    D. 1600 – 1200 BC
    Ans. B

12. The famous slogan 'No taxation without representation' has been taken from:
    A. French Revolution
    B. British Civil war
    C. Indian National Movement
    D. American war of independence
    Ans. D

13. In India, the 5 yearly plans begun in context of which of the following situations?
    A. Mixed Economy
    B. Socialist Economy
    C. Capitalist Economy
    D. Stagnant Economy
    Ans. B

14. In the figure given below, a brick has been placed in three different positions on sand.

Which one statement is true in this context amongst the following?
A. Position I represents the maximum pressure
B. Position II represents the maximum pressure
C. Position III represents the maximum pressure
D. In all three positions same pressure will be represented

Ans. A

15. Community Development Programme is a comprehensive development of:
A. Scheduled Castes and Scheduled Tribes
B. Weaker Sections
C. Rural areas
D. Those families living below the poverty line

Ans. C

16. The empirical formulae of Compound 'A' is C_3H_4O. If its atomic weight is 170 ± 2, then what will be its atomic formula?
A. $C_8H_{12}O_4$ B. $C_9H_{12}O_3$
C. $C_9H_{16}O_3$ D. $C_{10}H_{16}O_2$

Ans. B

17. Who was the first and the last Indian Governor General?
A. Dr. Rajendra Prasad
B. C. Rajgopalachari
C. Pandit Jawaharlal Nehru
D. Lord Mountbatten

Ans. B

18. Who amongst the following did not work Vice-President before becoming the President?
A. Dr. S. Radharishnan
B. Dr. Zakir Hussain
C. Neelam Sanjeev Reddy
D. R. Venkataraman

Ans. C

19. In which year was Panchasheel adopted?
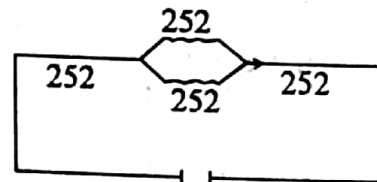A. 1952 AD   B. 1954 AD
C. 1956 AD   D. 1958 AD

Ans. B

20. After how many years does Hailey comet become visible?
A. 75 years   B. 76 years
C. 50 years   D. None of these

Ans. B

21. In the following diagram, the resistance of the path shown is:

A. 8 ohm   B. 6 ohm
C. 5 ohm   D. 4 ohm

Ans. C

22. Who is the author of Panchtantra?
A. Ved Vyas   B. Manu
C. Vishnu Sharma D. Bharat Muni

Ans. C

23. Who founded the Ram Krishnan Mission?
A. Ram Krishna Paramhans
B. Annie Besant
C. Swami Vivekananda
D. Govind Mohan Ranade

Ans. C

24. Of which state is Kathakali, the dance?
A. Uttar Pradesh   B. Kerala
C. Tamilnadu   D. Andhra Pradesh

Ans. B

25. A person is standing on a weighting machine in a moving lift. The weighing machine will show the least reading, when–

A. going up with a uniform speed

B. coming down with a uniform velocity

C. going up with a uniform velocity

D. Freely falling lift

Ans. D

26. In which state of India is gold found in abundance?

A. Madhya Pradesh B. Karnataka

C. Andhra Pradesh D. Maharashtra

Ans. B

27. **Match List I** (Physical quantity) **With List II** (Units) and answer using the codes given below:

LIST I	LIST II
A. Energy	1. Kg m sec^{-1}
B. Heat	2. Kg m^2 Sec^{-1}
C. Momentun	3. Newton m^{-2}
D. Pressure	4. Kilo watt hour

Code:

	A	B	C	D
A.	4	5	1	3
B.	4	5	1	2
C.	5	4	1	2
D.	5	4	2	3

Ans. D

28. On whose advise does the President of India use his power & authority?

A. Prime Minister   B. Cabinet

C. Lok Sabha   D. Rajya Sabha

Ans. B

29. When was the first no smoking day celebrated?

A. April 7, 1988

B. April 7, 1986

C. May 8, 1988

D. September 1, 1987

Ans. A

30. Which Vitamin helps in the clotting of blood?

A. Vitamin K   B. Vitamin A

C. Vitamin D   D. Vitamin E

Ans. A

31. Actually, an ordinary machine's efficiency is:

A. Less than 100%

B. Equal to 100%

C. More than 100%

D. Always less than 50%

Ans. A

32. Who was the first woman to go in space?

A. Valentina Treshekova

B. Junko Tabei

C. Astella Peron

D. None of these

Ans. A

33. How many 100 watt bulbs on the supply of 220 volts can be safely used with 5 ampere fuse?

A. 5   B. 8

C. 11   D. 20

Ans. C

34. Which amongst the following is responsible for the green colour of plants?

A. Photosynthesis B. Chlorophyll

C. Osmosis   D. None of these

Ans. B

35. Which state in India has the least population?

A. Arunanchal Pradesh

B. Mizoram

C. Sikkim

D. Goa

Ans. C

36. In an oil lamp, there is a whole in the chimney, because:

A. Smoke may come out

B. Lamp may glow with brilliance

C. Oxygen may be available to the glowing lamp

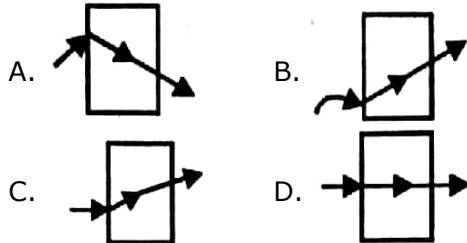D. Heat due to glowing may continue to go out

Ans. C

37. Amongst the following industries, which one is the most developed one in the public sector?
A. Iron and steel   B. Sugar
C. Jute   D. Cotton textile
Ans. A

38. Where is the International Court of Justice located?
A. Geneva   B. The Hague
C. New York   D. Rome
Ans. B

39. Who made a hattrick in the Reliance World Cup cricket?
A. Imran Khan   B. Kapil Dev
C. Chetan Sharma   D. Richard Hadley
Ans. C

40. Consider the following statements:
Statement (A): Due to very little weight of mosquito eggs, they float in water
Reason (R): The surface tension of water balances the weight of the eggs.
A. Both 'A" and 'R' are correct and 'R' correctly explains 'A'
B. Both 'A' and 'R' are correct but 'R' does not correctly explain 'A'
C. 'A' is correct but 'R' is wrong
D. 'A' is incorrect but 'R' is correct.
Ans. A

41. Two parallel wires carrying electric current in the same direction will attract each other because:
A. There is kinetic difference between them
B. There is mutual EMF between them
C. There is electrical force between them
D. There is magnetic force between them
Ans. D

42. Which amongst the following pairs is not correctly matched?
A. Pascal – Pressure
B. Gauss – Light
C. Ampere – Current
D. Electric potential – Volt
Ans. B

43. Where was India's first oil refinery started?
A. Assam   B. Gujarat
C. Mumbai   D. Chennai
Ans. A

44. Who amongst the following was never associated with the congress party in his political career?
A. Charan Singh
B. Chandra Shekhar
C. Deve Gawda
D. A.B. Vajpayee
Ans. D

45. Which colour of light has the maximum wave length?
A. Yellow   B. Blue
C. Red   D. Green
Ans. C

46. Which mineral in found in greatest quantity in India amongst the following?
A. Uranium   B. Platinum
C. Thorium   D. Radium
Ans. C

47. On which river is Hirakund Dam located?
A. Cauvery   B. Godavari
C. Mahanadi   D. Krishna
Ans. C

48. Who got the first Bharat Ratna in India?
A. C. Rajgopalachari
B. Dr. Radha Krishnan
C. Dr. C.V. Raman
D. Govind Ballabh Pant
Ans. A

49. Consider the following:
A. S_1O_2 B. Na_2Co_3
C. $CaCO_3$ D. Fe_2O_3
In the preparation of glass, which all are included?
A. A and B   B. A, B and D
C. A, C and D   D. A, B and C
Ans. D

50. The colour of rainbow divides into seven colours due to:
A. Reflection   B. Diffraction
C. Refraction   D. Dispersion
Ans. D

51. Which amongst the following figures correctly explains the path of a ray of light through a glass?

A.   B.

C.   D.

Ans. D

52. $\frac{12345}{567} = ?$
A. 21.7724   B. 59.6078
C. 88.1089   D. 12.9105
Ans. A

53. $(897)^2 = ?$
A. 804609   B. 2050624
C. 42849   D. 45321
Ans. A

54. 789.345 + 30.075 − 765.21 − 7.86 = ?
A. 46.35   B. 33.1
C. 76.998   D. 108.14
Ans. A

55. 998 x 981 = ?
A. 961374   B. 1106440
C. 979038   D. 11235
Ans. C

56. $\sqrt{732108} = ?$
A. 855.633   B. 519.615
C. 961.524   D. 655.338
Ans. A

57. $(84604519)^{1/3} = ?$
A. 439   B. 629
C. 523   D. 747
Ans. A

58. Which is the smallest 5-digit number which can be completely divided by 98?
A. 24,411   B. 10,057
C. 99,873   D. 10,201
Ans. B

59. Which smallest number should be subtracted from 1936 so that on being divided by 9, 10, 15, everytime the remainder is 7?
A. 93   B. 46
C. 76   D. 39
Ans. D

60. $\frac{125}{100} + \frac{50}{36} + \frac{48}{45} + \frac{3}{2} = ?$
A. $1\frac{11}{12}$ B. $5\frac{37}{180}$
C. $4\frac{9}{94}$ D. $3\frac{73}{90}$
Ans. B

61. If $x + y = 3$, $xy = 2$, then $x^3 - y^3 = ?$
A. 7   B. 9
C. 3   D. 14
Ans. A

62. The LCM of two numbers is 2310 and HCF is 30. If one of the numbers is 210, then what is the other number?
A. 715   B. 825
C. 330   D. 582
Ans. C

63. If 8 men can sow 80 hectares in 24 days, then how many hectares can 36 men sow in 30 days?
A. 450   B. 360
C. 610   D. 530
Ans. A

64. In a 30 litre mixture of milk and water, the ratio of milk and water is 7:3. How much water should be added in the mixture so that the ratio of milk and water becomes 3:7?
A. 5   B. 12
C. 28   D. 40
Ans. D

65. A and B can together do a work in 6 days. A can do it alone in 9 days. In how many days can B do it alone?
A. 21 days   B. 24 days
C. 18 days   D. 14 days
Ans. C

66. The population of a town increases from 60,000 to 65,000 then the percentage of increase is:
A. $8\frac{1}{3}\%$ B. $7\frac{2}{5}\%$
C. $3\frac{1}{8}\%$ D. $11\frac{1}{9}\%$
Ans. A

67. The average marks obtained by 120 students in an exam is 35. If the average marks obtained by successful students is 39 and the average marks obtained by unsuccessful students is 15 then what is the number of successful students?
A. 80   B. 110
C. 100   D. 90
Ans. C

68. A train travels from A to B at the speed of 20 km./hr. and from B to A at the speed of 30 km./hr. Then what is the average speed of train in km./hr.?
A. 24 km./hr.   B. 42 km./hr.
C. 34 km./hr.   D. 48 km./hr.
Ans. A

69. There is a loss of 12 percent on an article being sold for Rs. 352.88, then the cost price of the article is….
A. Rs. 390   B. Rs. 418
C. Rs. 401   D. Rs. 431
Ans. C

70. After 5 years, fathers' age will be three times the age of son. Five years earlier father's age was 7 times the age of son at that time. What are the present ages of the father and the son?
A. 45 years, 9 years
B. 40 years, 10 years
C. 32 years, 8 years
D. 35 years, 7 years
Ans. B

71. A sum of money becomes Rs. 756 in two years and Rs. 873 in 3.5 years. The annual rate of simple interest is:
A. 13%   B. 11%
C. 17%   D. 19%
Ans. A

72. Rs. 7500 has been borrowed at 4% annual compound rate of interest. How much money will have to be returned after two years?
A. Rs. 8112   B. Rs. 9472
C. Rs. 6856   D. Rs. 9281
Ans. A

73. A can do a work in 6 days and B can do it in 5 days. The contract for the work is Rs. 220. If A and B work together then how much money should B get?
A. Rs. 80   B. Rs. 120
C. Rs. 140   D. Rs. 90
Ans. B

74. In a hundred metres race, A defeats B by 10 metres and C by 13 metres, then in the 10 metres race by what distance will B defeat C?
A. 3 metres
B. 6 metres
C. 9 metres
D. 12 metres
Ans. B

75. When two pipes work together, then a tank can be filled in 12 hours. One pipe fills the tank comparatively 10 hours faster than the other pipe. How much time will the pipe which is faster take to fill the tank?
A. 22 hrs.   B. 26 hrs.
C. 30 hrs.   D. 20 hrs.
Ans. D

76. A boy goes from home to school at the rate of 3 km./hr. and come back from school to home at the speed of 2 km./hr. If he takes five hours in coming and going, then what is the distance between home and school?
A. 8 km.   B. 6 km.
C. 9 km.   D. 5 km.
Ans. B

77. A man rows a boat at the speed of 6 km./hr. in still water. When the river flows with the speed 1.2 km./hr, then it takes 1 hour for the man to row from one place to another. How far is that place?
A. 1.44 km.   B. 2.88 km.
C. 3.18 km.   D. 4.81 km.
Ans. B

78. A hall is 39 metres 10cm. long and 35 metres 70 cm. wide in which square tiles of regular size is to be fitted. What is the greatest length of the square tile which can be fitted in the room and what is the number of tiles?
A. 1.70 metres, 483
B. 1.85 metres, 472
C. 1.67 metres, 510
D. None of these
Ans. A

79. Find out the area of a triangle whose sides are 50m., 78m., and 112m.?
A. 156 sq.m.　　B. 159 sq.m.
C. 1680 sq.m.　　D. 224 sq.m.
Ans. C

80. If the length of a rectangle is reduced by 20%, then by what percent should its width be increased so that the area does not increase?
A. 15%　　B. 25%
C. 35%　　D. 38%
Ans. B

81. A train 110 metres long is travelling at the speed of 60 km. per hr. How long will it take to cross a man walking in the direction opposite to the train, at the speed of 6 km./hr.?
A. 3 seconds　　B. 6 seconds
C. 9 seconds　　D. 12 seconds
Ans. B

Directions (82-87): *Fill in the blank space*:

82. 4, 16, 256, ……………
A. 1304　　B. 1144
C. 1216　　D. 1024
Ans. D

83. 35, 24, 15, 8……………….
A. 2　　B. 6
C. 3　　D. 5
Ans. C

84. 1, 6,………..120, 360, 720
A. 10　　B. 30
C. 60　　D. 90
Ans. B

85. 240……..120, 40, 10, 2
A. 150　　B. 130
C. 210　　D. 240
Ans. D

86. 5, 10, 12, 24, 26…………
A. 54　　B. 52
C. 50　　D. 48
Ans. B

87. 1, 2………..10, 17, 26
A. 2　　B. 4
C. 3　　D. 5
Ans. D

88. 6 days from today, it will be 20th of the month, then what was the date/day before yesterday?
A. 11th　　B. 12th
C. 13th　　D. 14th
Ans. B

89. If in a code language SYSTEM is written as SYSMET and NEARER is written as AENRER, then how will FRACTION be written?
A. ACRFTION　　B. NOITCARF
C. CARFNOIT　　D. TIONCARF
Ans. C

90. If by reducing 7 from a number, we get square of 9, then what will be smallest number?
A. 83　　B. 84
C. 98　　D. 88
Ans. D

Directions (91-100): *Given below are four words for each question, only one of which is correctly spelt. Choose the correct one.*

91. A. Casete　　B. Cassete
C. Cassette　　D. Casette
Ans. C

92. A. Fourty　　B. Forty
C. Fottty　　D. Forti
Ans. B

93. A. Gramar　　B. Grammar
C. Grammor　　D. Gramer
Ans. B

94. A. Comittee　　B. Committee
C. Comittey　　D. Committee
Ans. B

95. A. Occassion　　B. Ocassion
C. Occasion　　D. Ocassion
Ans. C

96. A. Dantel   B. Dantal
    C. Dental   D. Dentel
Ans. C
97. A. Dactor   B. Docter
    C. Doctor   D. Doctere
Ans. C
98. A. Suspense   B. Suspanse
    C. Sucpance   D. Suspence
Ans. A
99. A. Admisible   B. Admisible
    C. Admissible   D. Admissibal
Ans. C
100. A. Cassle   B. Castal
     C. Castle   D. Castole
Ans. C

Directions (101-105): *In the following question choose the correct answer for the blank space*.

101. …………. is Smt. Bhatnagar?
     She is a teacher?
     A. Who   B. What
     C. Where   D. Why
Ans. B
102. Authority ……….. when it is not supported by the moral purity of its user.
     A. empowers   B. crumbles
     C. prevails   D. waits
Ans. B
103. …………learning does not help the mental growth of a student.
     A. Guided   B. Fast
     C. Assisted   D. Role
Ans. C
104. In spite of his best efforts, he could achieve………….. success.
     A. a little   B. near
     C. little   d. extraordinary
Ans. C
105. We left the hall before the show……over.
     A. was   B. took
     C. ended   D. went
Ans. A

Directions (106-110): *Each of the following idioms is followed by four meanings, indicate which is correct.*

106. To put two and two together
     A. To bear the brunt of
     B. To conclude from obvious fact
     C. To put off
     D. To put on a false appearance
Ans. B
107. To wash dirty linen in public
     A. To quarrel openly
     B. To clean solid linen
     C. To talk personal matters in public
     D. To wash dirty clothes
Ans. C
108. To read between the lines
     A. To suspect
     B. To read carefully
     C. To understand the hidden meaning of the word
     D. To do useless things
Ans. C
109. To face the music
     A. To prepare the give a music performance
     B. To suffer evil consequences
     C. To suffer hardship
     D. To change the things
Ans. B
110. To leave no stone unturned
     A. To keep clean and tidy
     B. To try utmost
     C. To work enthusiastically
     D. To change the things
Ans. B

Directions (111-115): *In the following questions, choose the word **nearest** in meaning to the given word.*

111. Worth
     A. Merit   B. Fright
     C. Anger   D. Pity
Ans. A

112. Trail
    A. Drag
    B. Defame
    C. Dance
    D. Die
Ans. A
113. Swath
    A. Envelope
    B. Gallant
    C. Blanket
    D. Wholesale
Ans. A
114. Touchstone
    A. Kill
    B. Criterion
    C. Precious
    D. Roll
Ans. B
115. Traduce
    A. Trade
    B. Defame
    C. Dance
    D. Dunce
Ans. B

Directions (116-120): *In the following questions, choose the word or phrase which is **opposite** in meaning to given word.*

116. Curb
    A. Encourage
    B. Discourage
    C. Repress
    D. Restrain
Ans. A
117. Curtail
    A. Shortened
    B. Enlarged
    C. Robust
    D. Active
Ans. B
118. Confess
    A. Grant
    B. Conceal
    C. Concede
    D. Acknowle
Ans. B
119. Cryptic
    A. Tomblike
    B. Secret
    C. Famous
    D. Candid
Ans. D
120. Cloudy
    A. Shadowy
    B. Murky
    C. Ominous
    D. Illuminating
Ans. D

✱✱✱