RCA EDUCATION   *RAILWAY MOCK – 3**9749176587*

1. Which of the following states receives the highest rainfall during winter months – a) Punjab b) Kerala c) Meghalaya d) TN.

2. Which of the following is major constituent of vertebrate bone – a) Calcium Phosphate b) Sodium Chloride c) Calcium Carbonet d) Potaassium Hydroxide.

3. Chief minister of Chattisgarh – a) Kamalnath b) Jyotiraditya Sindhia c) Raman Singh d) Bhupesh Baghel.

4. What is milk of magnesia chemically known as – a) Magnesium Carbonet b) Calcium Hydroxide c)Magnesium Hydroxide

5. The words 'Satyameva Jayate' inscribed below the base plate of the emblem of India are taken from A) Rigveda B) Satpath Brahmana C) Mundak Upanishad D) Ramayana.

6. 'Mixed-Economy' means a. co-existence of small scale and large scale industries b. co-existence of the rich and the poor c. co-existence of private and public sector d. assigning equal importance to both agriculture and heavy industries.

7. First national income of India was calculated by – a) P.C.Mahalnabish b) Amratya Sen c) Dadabhai Nauroji.

8. Bhavani Devi is associated with which sports - a) Boxing b) Shooting c) Fencing d) Table Tennis.

9. HQ of World Meteorological Organisation is located at – a) New York b) Geneva c) Paris d) Rome.

10. All the chief minister are the members of which organization – a) Finance commission b) planning commission c) NDC

11. Acid rain can cause a. destruction of the crops and trees. b. destruction of fish c. damage to building d. All of the above.

12. The ozone layer in the upper part of the atmosphere protect us from a. visible radiation b. infra-red quantity c. ultraviolet ray d. cosmic ray.

13. The first medieval ruler to propound the divine theory of kingship was a. Balban b. Iltutmish c. Raziya d. Alauddin Khalji

14. Who is the author of recently released book 'Changing India' – a) Amratya Sen b)Manmohan Singh c) Kaushik Basu.

15. The structure of Qutub Minar was completed by a.Aram Shah b.Iltushmish c.Qutubuddin Aibak d. Muhammad bin Tughluq

16. In the Constitution of India, the word 'Federal' is used in a. the Preamble b. Part III c. Article 368 d. Nowhere

17. The largest city situated on the river Gomti is a. Kanpur b. Agra c. Lucknow d. Meerut

18. Where is the satellite launching center of India located? a. Thumba b. Cuttack c. Bangalore d. Sriharikota.

19. Ozone layer is present in which layer of atmosphere- a) Troposphere b) Ionosphere c) Stratosphere d)Exosphere.

20. Which state created the institution of Lokayukta for the first time in India – a) Odisha b)Karnatak c)Maharastra d)WB

21. In terms of area, which of the following is the smallest state in India? a. Sikkim b. Goa c. Nagaland d. Tripura.

22. Which of the following is a hardware a. Java b. COBOL c. Mouse d. FORTRAN.

23. Polio is caused by which of the following – a) Bacteria b)Protozoa c)Virus d)Fungus.

24. The treaty of Mangalore was signed between A) the English East India Company and Haidar Ali B) the English East India Company and Tipu Sultan C) Haidar Ali and the Zamorin of Calicut D) the French East India Company and Tipu Sultan

25. Todar Mal was associated with A) music B) literature C) finance D) law.

26. About how much blood is in the circulatory system of an average person at any istant – a) 1 b) 2 c) 5 d) 10 liter.

27. Who has written autobiography titled ' 281 and Beyond' – a) Sourav Ganguly b) Rahul Dravid c) VVS Laxman.

28. In which year was Pulitzer Prize established? A) 1917 B) 1918 C) 1922 D) 1928

29. The chief ingredient of the mosquito repellant cream is derived from a. Lemon b. Tulsi c. Neem d. Rice bran.

30. Which of the following is a good conductor of heat but a bad conductor of electricity? a. Mica b. Asbestos c. Aluminum

31. Who among the following started Bhudan Movement? a. MK Gandhi b. Jayaprakash Narayn c. Vinoba Vabe

32. Sangai Deer is found in which state – a) Assam b)Manipur c)Himachal Pradesh d)J&K

33. Which of the following is not a fundamental rights of the citizen? a. Right to strike b. Right against Exploitation c. Right to equality d. Right to freedom of religion.

34. The unit structure of which gene is made up of is a. RNA b. nucleotides c. DNA d. endoplasmic reticulum

35. The phrase "The Light of Asia" is applied to: a. Alexander b. Chandra Gupta Maurya c. Mahavira d. Buddha

36. The ordinances issued by the Governor are subject to approval by: a.Parliament b.President c.State Legislature d.None

37. Source of Vitamin C is: a. Nitric Acid b. Ascorbic Acid c. Oxalic Acid d. Maleic Acid

38. Horse power is equal to a. 748 watt b. 746 watt c. 744 watt d. None of these

39. For regulation of the Insurance Trade in the country the Government has formed: a. SEBI b. Reserve Bank of India c. IRDA

40. Satyartha Prakash is scholarly work of a. Raja Rammohan Roy b. Swami Dayananda Saraswati c. Swami Vivekananda

41. Which of the following pigment is mainly responsible for the colour of skin in the human- a0 Insulin b) Haemoglobin c) Adrenalin d) Melanin.

42. The Champaran Satyagraha was started by Mahatma Gandhi in the year: a. 1915 b. 1917 c. 1919 d. 1930

43. What will happen if an object is thrown into the space with the speed of 8km/sec : - a)the object will go into the space b) it will return to earth c) it will burst d) it will rotate into the orbit of earth.

44. Design : Intricate a. Scrap : general b. dress : ornate c. frills : border d. heritage : rich

45. Examination : Test a. fight : kill b. war : battle c. rat : race d. silly : harmonious.

46. The calendar for the year 2007 will be the same for the year: A) 2014 B) 2016 C) 2017 D) 2018

47. ODD OUT 396, 462, 572, 427, 671, 264 A) 396 B) 427 C) 671 D) 264

48. 13, 27, 55, _____ a)109 b) 111 c) 115 d) 121

49. Odd One Out a) C4E b) F7H c) K12M d) S21U

50. Statement :- All rocks are pebbles. No pebble is brick.

    Conclusion :- i) No brick is rock. ii) Some pebbles are rock.

    a) Only conclusion I follow b) only conclusion ii follow c) Neither conclusion I nor ii follow d) Both conclusion I & ii follow

1. Car, Fate, Paint, Circle, _____ a) Frequen b) Rhyme c) Hectic d) Plus

2. ODD OUT 6, 9, 15, 21, 24, 28, 30 A) 28 B) 21 C) 24 D) 30.

3. Arrange the words in a logical sequence and select the right sequence. 1. Probation 2. Interview 3. Selection 4. Appointment 5. Advertisement 5. Application a) 5, 6, 2, 3, 4, 1 b) 5, 6, 3, 2, 4, 1 c) 5, 6,4, 2, 3, 1 d) 6, 5, 4, 2, 3, 1

4. A & B are two brothers. C & D are two sisters. A's sons is D's brother. Then find the relation between B to C :- a)uncle b)father c)brother d)sister.

5. The angles of depression of two ships from the top of a light house are 45* and 30* towards East. If the ships are 200 m apart, find the height of the light house. a) 100 m b) 173 m c) 200 m d) 273 m

6. Five boys named I,J,K,L,M sit on the chairs placed round a table facing towards centre in such a way that M is to the left of I, J is between M and K, and K between J and L. Who is immediately right of K- A) K B) L C)M D) J

7. If with the first, fourth, sixth and seventh letters of the word 'HOSPITALITY, a meaningful word is formed then what is the last letter of that word ? (A) H (B) A (C) T (D) None of these.

8. If winter is called spring, spring is called rains, rains is called swimming, swimming is called cloudy and cloudy is called kalapani then rain called - (A) Swimming (B) Cloudy (C) Spring (D) Rains.

9. A , B , C , D , E seat in a bench . D is situated in left side of C and right side of A . Nither A nor C is situated in extreme left or right . Find who situated in middle ? a) D b) E c) A d) B

10. Akash walks 5 km. towards East and then turns left and walks 6 km. Again he turns right and walks 7 km. Finally he turns to his right and walks 6 km. How far is he from the starting point ? (A) 17 km (B) 13 km (C) 12 km (D) 14 km.

11. If Lucky finds that he is twelfth from the right in a line of boys and fourth from the left, how many boys should be added in the line so that there are 28 boys in all ? (A) 12 (B) 13 (C) 14 (D) 20

12. How many times from 4 AM to 4 PM the hands of clock are at right angles ? (A) 24 (B) 20 (C) 22 (D) 23

13. The day before the day before yesterday is 3rd day after Saturday. What day is it today - A) Monday B) Friday C) Wednesday D) Thursday

14. A and B are brothers. C and D are sisters. A's son is D's brother. How is B related to C - A)Father B)Brother C)Grandfather

15. Paper , Book , Stationery a) b) c) d)

16. a__ca__abca__a__c__b.   a) bbbba b) abcba c) bbbcc d) bbcab

17. Forest is related to Zoo in the same way as Sea is related to a) Port b) River c) water d) Aquarium

18. Violet: Yellow: Blue: Red, indigo:? a) White b) Black c) Yellow d) Orange

19. Sanjay starts walking towards North. After walking 30 m he turns to his left and walks 40 m. he turns to his left and walks 30 m. he again turns to his left and walks 50 m. how far is he from the starting point? a) 50 m b) 30 m c) 20 m d) None

20. Odd One Out a)P81 b) N25 c) U9 d) X 36

21. 101, 170, 257, _____ a) 299 b) 389 c) 362 d) 287

22. Find the area of the square whose side is equal to the side of the equilateral triangle having area of $36\sqrt{3}$ cm^2 :- a) 144 b) 196 c) 121 d) 81.

23. The HCF of two numbers is 17 and the other factor of each number is 7 & 11 respectively. The smaller of the two no is – a) 136 b) 119 c) 187 d) 224.

24. A mikman mixed 24 litres of water to the pure milk such that the ratio of milk to water in the ratio9 : 4. Find the quantity of pure milk – a) 72 b) 42 c) 66 d) 54 litres.

25. Tea worth Rs. 126 per kg and Rs. 135 per kg are mixed with a third variety in the ratio 1 : 1 : 2. If the mixture is worth Rs. 153 per kg, the price of the third variety per kg will be: A) Rs. 169.50 B) Rs. 170 C) Rs. 175.50 D) Rs. 180.

26. $\sqrt{18225} = 135$ then $\sqrt{182.25} + \sqrt{1.8225} + \sqrt{0.018225} + \sqrt{0.00018225} = ?$ a) 1.49985 b) 14.9985 c) 149.985.

27. The maximum volume of cone that can be cut from a cylinder is what % of the volume of cylinder, if the cone's radius and height is same as that of the cylinder :- a) 40 b) 25 c) 33.33 d) 50

28. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:- a) 9960 b) 9945 c) 9972 d) 9762.

29. The speed of a boat in still water in 15 km/hr and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is: a) 3km b) 3.6 km c) 4 km d) 4.8 km.

30. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train - A) 120 mt b) 150 mt c) 180 mt d) 20 mt.

31. The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is – a) 274 b) 360 c) 364 d) none.

32. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital :- a) 3000 b) 5000 c) 7000 d) 9000.

33. A shopkeeper sold a book after offering two successive discount of 20% each. If the marked price of the book was Rs 1200, then find the selling price of the book :- a) 724 b) 768 c) 816 d) 856.

34. The ratio of the volumes of water and glycerine in 240 cc glycerine mixed with water is 1:3. What additional volume of water should be mixed with it so that the ratio of the volumes of water and glycerine becomes 2:3? A) 70cc B) 80cc C) 60cc D) 50cc.

35. A train travels from Dehradun to Delhi at a speed of 40km/hr and returns at 60km/hr. Find the average speed for the entire journey. A) 50km/hr B) 45km/hr C) 48km/hr D) 52km/hr.

36. A man sold an article for Rs 360 at a loss of 25%. Had he sold the article for Rs 540, he would have earned how much profit (in Rs) :- a) 40 b) 50 c) 60 d) 80.

37. The sum of the square of two numbers and the product of two numbers is 169 & 60 respectively. The sum of the numbers :- a) 19 b) 19 c) 17 d) 23

38. A grocer is selling his goods on 10% profit while using a weight of 20% less than the original weight. Find the % of profit of the grocer :- a)28% b)32% c)35% d)37.5%.

39. A man covers 80% of the distance between Delhi and Agra at a speed of 45km/hr in 4 hours. Find the total distance between Delhi & Agra :- a)210 b) 180 c) 240 d 225 Km.

40. At the marked price of 36 pens a retail seller buys 40 pens. If he gives 1% discount, find his profit % :- a)10% b)10.2% c)10.5% d)11.5%.

41. The respective ratio of the present age of Anil & Sunil is 2 : 3. If the age of Anil five years ago was 11 years, then find the age of Sunil 2 years hence – a) 24 b) 26 c) 28 d) 22 years.

42. By selling 32 toffees for a rupee a man loses 40%. How many for rupee did he sell to gain 20% profit :- a)20 b)16 c)25 d)14.

43. A class of 40 students has 25 boys and rest are girls. The class has the average weight of 45kg. If the average weight of boys is 48kg , then find the average weight of girls :- a) 40 b) 42 c) 42.5 d) 37.5

44. If the product 4864 x 9 P 2 is divisible by 12, then the value of P is: A) 2 B) 5 C) 6 D) None

45. If the principal amount becomes 36% more after 4 years, then find the rate of SI per annum :- a) 7.5% b) 8% c) 12% d) 9%

46. What smallest number should be added to 4456 so that the sum is completely divisible by 6 ? A) 4 B) 3 C) 2 D) 1

47. Two men together start on a journey in the same direction. They travel 9 and 15 km respectively daily. After travelling for 6 days the man travelling at 9 km/h doubles his speed and both of them finish the distance in the same time. Find the time taken by them to reach their destination? a) 17 days b) 18 days c) 19 days d) 22 days.

48. A man's income from an investment of Rs.2,000 at a certain rate of simple interest together with the income from investing Rs.1,500 at 1% higher for 4years equals to Rs.620. The rate of interest at which invested Rs.2,000, is a) 4% b) 5% c) 7% d) 5 1–2 %

49. In a certain examination 40% of the students failed in Maths, 30% failed in English 10% failed in both. The percentage of students who passed in both the subject is--- A) 20 B) 40 C) 30 D) 10.

50. Find the number of digit from 9 to 54 which are divisible by 9 but not divisible by 3 ? a) 2 b) 3 c) 4 d) none.