

Railway Recruitment Board, Allahabad

Ticket Collector/ Commercial Clerk (TC/CC)

Examination Date: 4/10/2009

1. The unit's place digit in the product $(3127)^{173}$ will be
 (a) 1 (b) 3 (c) 7 (d) 9
2. Sum of three consecutive even integer is 54. The least among them is
 (a) 18 (b) 15 (c) 14 (d) 16
3. A student was asked to multiply a number by $\frac{3}{2}$ but he divided that number by $\frac{3}{2}$. His result was 10 less than the correct answer. The number was
 (a) 10 (b) 12 (c) 15 (d) 20
4. The value of
$$\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 \times 0.3 - 3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$$
 is
 (a) 1.4 (b) 0.054 (c) 0.8 (d) 1.0
5. The value of $\frac{1}{5} + 999 \frac{494}{495} \times 99$ is
 (a) 90,000 (b) 99,000 (c) 90,900 (d) 99,990
6. The value of $\frac{2}{1 + \frac{1}{1 - \frac{1}{2}}} \times \frac{3}{\frac{5}{6} \text{ of } \frac{3}{2} \div 1\frac{1}{4}}$ is
 (a) 6 (b) 8 (c) 4 (d) 2
7. Three men A, B, and C go walking round a circle 1 km in circumference at the rate of 10, 20, and 40 m/min respectively. If they all start together and walk in the same direction, when will they again be together at the same place?
 (a) after 50 min (b) after 240 min
 (c) after 800 min (d) after 100 min
8. The LCM of two numbers is 495 and their HCF is 5. If the sum of the numbers is 100, then their difference is
 (a) 10 (b) 46 (c) 20 (d) 90

9. The average of 11 numbers is 10.8. If the average of the first six is 10.4 and that of the last six is 11.5. Then the middle (6th) numbers is
(a) 10.3 (b) 12.6 (c) 13.5 (d) 15.5
10. The average income of 40 persons is Rs.4200 and that of another 35 persons is Rs.4000. The average income of the whole group is
(a) Rs.4100 (b) Rs.4106 $\frac{1}{3}$ (c) Rs.4106 $\frac{2}{3}$ (d) Rs.4108 $\frac{1}{3}$
11. A sum of money becomes $\frac{7}{6}$ of itself in 3 years, then rate of interest is
(a) $5\frac{5}{9}\%$ (b) $6\frac{5}{9}\%$ (c) 18% (d) 25%
12. The simple interests on a certain sum at 5% per annum for 3 yr and 4yr differ by Rs.42. The sum is
(a) Rs.210 (b) Rs.280 (c) Rs.750 (d) Rs.840
13. On what sum does the difference between the compound interest and the simple interest for 3 yr at 10% is Rs.31?
(a) Rs.1500 (b) Rs.1200 (a) Rs.1100 (b) Rs.1000
14. If the circumference and area of circle are numerically equal then the diameter is equal to
(a) area of the circle (b) $\frac{\pi}{2}$ (c) 2π (d) 4
15. The diameter of a toy wheel is 14 cm, what is the distance travelled by it in 15 revolutions?
(a) 880 cm (b) 660 cm (c) 600 cm (d) 560 cm
16. A father is twice as old as his son. 20 yr back, he was twelve times as old as his son. What are their present ages?
(a) 24, 12 (b) 44, 22 (c) 48, 24 (d) None of these
17. If $\frac{a}{b} = \frac{2}{3}$ and $\frac{b}{c} = \frac{4}{5}$, then the ratio $\frac{a+b}{b+c}$ is equal to
(a) $\frac{20}{27}$ (b) $\frac{27}{20}$ (c) $\frac{6}{8}$ (d) $\frac{8}{6}$

18. The sum of two numbers is 40 and their difference is 4. The ratio of the numbers is
(a) 21 : 19 (b) 22 : 9 (c) 11 : 9 (d) 11 : 1
19. 4 men and 6 women can complete a work in 8 days. While 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it?
(a) 50 (b) 45 (c) 40 (d) 35
20. 4 mat-weavers can weave 4 mats in 4 days. At the same rate how many mat would be woven by 8 mat - weavers in 8 days?
(a) 4 (b) 8 (c) 12 (d) 16
21. 3 men or 4 women or 5 boys can earn Rs.150 daily. Then, 5 men with 8 women and 3 boys will earn per day is
(a) Rs.620 (b) Rs.640 (c) Rs.660 (d) Rs.680
22. If x is 80% of y, what percent of x is y?
(a) 75% (b) 80% (c) 100% (d) 125%
23. In a town, the population was 8000, In one year male population increased by 10% and female population increased by 8% but the total increased by 9%. The number of males in the town was
(a) 4000 (b) 4500 (c) 5000 (d) 6000
24. A person sell two machines at Rs.396 each. On one he gain 10% and on the other he loses 10%. Its profit or loss in the whole transaction is
(a) no gain, no loss (b) 1% loss (c) 1% profit (d) 8% profit
25. A trader bought 10 kg of apple for Rs.405 out of which 1 kg of apples were found to be rotten. If he wishes to make a profit of 10% at what rate should he sell the remaining apples per kg?
(a) Rs.45 (b) Rs.49.50 (c) Rs.50 (d) Rs.51
26. Krishna started a business with a capital of Rs.18000. Four months later, suneeta joined him with a capital of Rs.24000. At the end of the year, total profit earned was Rs.5100. Suneeta's share in the profit is
(a) Rs.2100 (b) Rs.2200 (c) Rs.2300 (d) Rs.2400
27. The ratio between the present ages of A and B is 4 : 5. If the ratio between their ages four years hence becomes 14 : 17. What is B's age at present?
(a) 30 years (b) 28 years (c) 34 years (d) Data inadequate

35. Ashish leaves his house at 20 min to seven in the morning, reaches Kunal's house in 25 min, they finish their breakfast in another 15 min and leave for their office which takes another 35 min. At what time do they leave Kunal's house to reach their office?

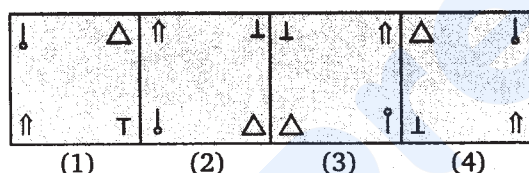
- (a) 7 : 40 am (b) 7 : 20 am (c) 7 : 45 am (d) 8 : 15 am

36. Standing on a platform, Amit told Sunita that Aligarh was more than 10 km but less than 15 km from there. Sunita knew that it was more than 12 km but less than 14 km from there. If both of them were correct, which of the following could be the distance of Aligarh from the platform?

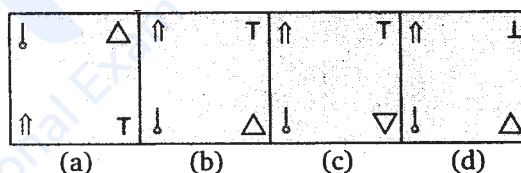
- (a) 11 km (b) 12 km (c) 13 km (d) 14 km

Directions (Q. 37 - 38): Each of the following questions contain four problem figure marked (1), (2), (3) and (4) and four answer figure marked (a), (b), (c) and (d). Select a figure from amongst the answer figures which will continue the same series as given in the problem figures.

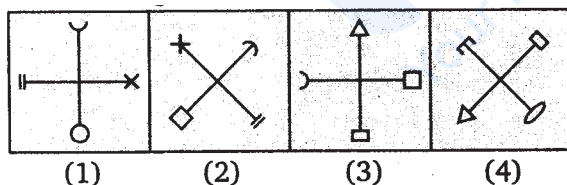
37. **Problem Figures**



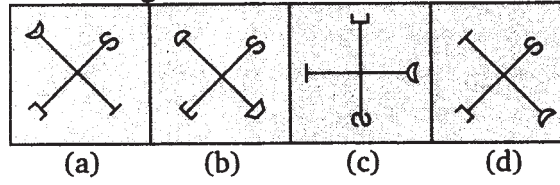
Answer Figures



38. **Problem Figures**

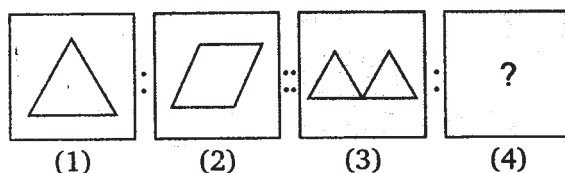


Answer Figures

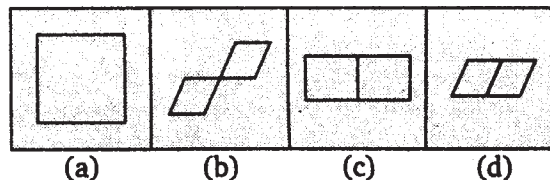


Directions (Q. 39 - 40): Each of the following question consists of two sets of figure (1), (2), (3), (4) constitute the problem set while figures (a), (b), (c) and (d) constitute the answer set. There is a definite relationship between figures (1) and (2). Establish a similar relationship between figures (3) and (4) by choosing a suitable figure from the answer set.

39. **Problem Figures**

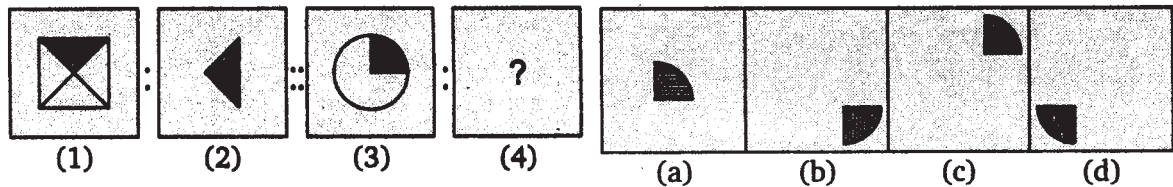


Answer Figures



40. Problem Figures

Answer Figures



41. In a certain code language 'DLEJYLC' is written as 'ENGLAND'. How will 'HLBDY' be written in that code?

- (a) INDIA (b) INDFZ (c) NDOIA (d) JNDEA

Directions (Q. 42 - 44): In each of the following questions, there is a certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be selected from the given alternatives, having the same relationship with this word as the words of the given pair bear. Choose the correct alternative.

42. Gun : Bullet :: Chimney : ?

- (a) Ground (b) House (c) Roof (d) Smoke

43. Car : Garage :: Aeroplane : ?

- (a) Port (b) Depot (c) Hangar (d) Harbour

44. Candle : Wax :: Paper : ?

- (a) Wood (b) Tree (c) Bamboo (d) Pulp

Directions (Q. 45 - 47): In each of the following questions, four words have been given out of which three are alike in a certain way and one is different. Choose out the odd one.

45. (a) Dollar (b) Yen (c) Ounce (d) Franc

46. (a) Kurushetra (b) Sarnath (c) Plassey (d) Haldighati

47. (a) Radius (b) Arc (c) Diameter (d) Diagonal

Directions (Q. 48 - 51): In each of the following questions, one term in the number series is wrong. Find out the wrong term.

48. 1, 5, 9, 16, 25, 37, 49

- (a) 16 (b) 9 (c) 25 (d) 37

49. 3, 10, 27, 4, 16, 64, 5, 25, 125

- (a) 3 (b) 4 (c) 10 (d) 27

60. Among five friends, Mohan is older than Raju but not as old as Lalit. Lalit is older than Neelesh and Kabir. Neelesh is younger than Raju but not the youngest. Who is the fourth in the descending order of age?
(a) Mohan (b) Raju (c) Kabir (d) Neelesh
61. Who among the following was the chairman of the Union Constitution Committee of the constituent Assembly?
(a) B R Ambedkar (b) J B Kriplani
(c) Jawaharlal Nehru (d) Alladi Krishnaswami Ayyar
62. The Lok Sabha is called in session for at least how many times in a year?
(a) Twice (b) Once (c) Thrice (d) Four times
63. Rocket works on the principal of
(a) Conservation of mass (b) Conservation of energy
(c) Conservation of momentum (d) None of the above
64. One Horse Power is equal to?
(a) 736 Watts (b) 746 Watts (c) 748 Watts (d) 756 Watts
65. Which of the following Chemicals is used for preserving fruit juices?
(a) Ammonium sulphate (b) Sodium hydroxide
(c) Sodium benzoate (d) Potassium nitrate
66. Which of the following is a physical basis of life?
(a) Mitochondria (b) Ribosome (c) Protoplasm (d) Nucleus
67. What is 'Recession'?
(a) Rise in the cost of production, especially because of wage increase.
(b) Increase in money supply without a matching increase in production.
(c) Reduction in production and employment for want of sufficient demand for goods.
(d) None of the above.
68. The Principal source of revenue to the State Government in India is
(a) Income Tax (b) Sales Tax
(c) State Excise Duties (d) Land Revenue
69. The Arjuna Award was instituted in the year
(a) 1965 (b) 1963 (c) 1961 (d) 1975

70. The first Indian woman to scale Mount Everest was
(a) Arati Saha (b) Asha Agarwal
(c) Bachendri Pal (d) Reita Fariya
71. The founder of Boy Scouts and Civil Guides Movement in India was
(a) Charles Andrews (b) Baden Powell
(c) Richard Temple (d) Robert Montgomery
72. The title of Governor - General was changed to that of Viceroy in the year
(a) 1858 AD (b) 1885 AD (c) 1905 AD (d) 1917 AD
73. Who wrote "Tughluqnama"?
(a) Rakshan (b) Amir Khusrau
(c) Isami (d) Malik Mohammad Jaisi
74. India was invaded by Tamerlane in
(a) 1335 (b) 1385 (c) 1389 (d) 1398
75. Where was the Arya Samaj set up for the first time in 1875?
(a) Lahore (b) Amritsar (c) Bombay (d) Delhi
76. The leader of the young Bengal Movement was
(a) Dwarkanath Tagore (b) Chandrasekhar Deb
(c) Ishwar Chandra Vidyasagar (d) Henry Vivian Derozio
77. Kanchipuram is in which of the following states?
(a) Kerala (b) Andhra Pradesh (c) Tamil Nadu (d) Karnataka
78. The book 'Satanic Verses' was written by
(a) Gunnar Myrdal (b) Agatha Christie
(c) William Golding (d) Salman Rushdie
79. The river Cauvery originates from which of the following states?
(a) Andhra Pradesh (b) Tamil Nadu
(c) Karnataka (d) Madhya Pradesh
80. Who among the following was the first lady Prime Minister in the World?
(a) Golda Meir (b) Indira Gandhi
(c) Mary Eugenia Charles (d) Shrimavo Bhandaranaike

81. The Kalinga Prize is given by which of the following?
(a) UNESCO (b) Government of India
(c) Jawahar Lal Nehru Peace Foundation
(d) Council for Scientific and Industrial Research
82. Ramon Magsaysay Award is named after the former President of
(a) Indonesia (b) Indian Journalists Association
(c) Thailand (d) Philippines
83. Ashoka the Great, conquered Kalinga in the year
(a) 261 BC (b) 58 BC (c) 261 AD (d) 78 AD
84. During the time of Harshavardhana, a great Buddhist assembly was held at
(a) Patliputra (b) Nalanda (c) Prayag (d) Purushapura
85. Which of the following laid the foundation of the British Civil Service in India?
(a) Warren Hastings (b) Lord Cornwallis
(c) Lord Wellesley (d) Lord Canning
86. The founder of the first Afghan dynasty in India was
(a) Ibrahim Lodhi (b) Bahlol Lodhi
(c) Sikandar Lodhi (d) Sher Shah Suri
87. The extent of the Delhi Sultanate empire was the greatest during the reign of
(a) Alauddin Khilji (b) Iltutmish
(c) Balban (d) Mohammad-bin-tughlaq
88. The first Indian woman who became the president of Indian Congress in 1925 at Kanpur, is
(a) Annie Besant (b) Sarojini Naidu
(c) Sucheta Kripalani (d) None of the above
89. Which of the following river make Estuary?
(a) Narmada (b) Ganga (c) Yamuna (d) Luni
90. Which state has the largest coaste in India?
(a) Gujarat (b) Tamil Nadu (c) Karnataka (d) Andhra Pradesh

Directions (Q. 91 - 93): Find out the part which has an error in the following sentences. If there is no error your answer is (d).

91. Why we do not meet (a)/ to discuss this matter (b)/ in detail on next Sunday? (c)/ No error (d)

92. The sum and substance (a)/ of the passage is (b)/ beyond my understanding. (c)/ No error (d)
93. Four miles are not (a)/ along distance for (b)/ a young person like you. (c)/ No error (d)

Directions (Q. 94 - 95): Choose the word that is most nearly the same in meaning as the word printed in bold as used in the passage.

94. **Loquacious**

- (a) Obstinate (b) Secondary (c) Talkative (d) Competitive

95. **Quiver**

- (a) Unstable (b) Tremble (c) Juggle (d) Shock

Directions (Q.96 - 97): Choose the word which is most opposite in meaning of the word printed in bold as used in the passage.

96. **Grisly**

- (a) Fragrant (b) Haggard (c) Pleasant (d) Shapely

97. **Cadaverous**

- (a) Skillful (b) Obese (c) Lucid (d) Inquisitive

Directions (Q. 98 - 100): Choose the alternative which can be substituted for the given words sentences.

98. To slap with a flat object

- (a) Hew (b) Swat (c) Chop (d) Gnaw

99. Regard for others as a principle of action.

- (a) Cynicism (b) Nepotism (c) Philanthropy (d) Altruism

100. Person who believes that God is everything and everything is God.

- (a) Agnostic (b) Theist (c) Pantheist (d) Pantechnicon