|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 1) | A and B entered into a partnership investing Rs. 16000 and Rs. 12000 respectively. After 3 months. A withdraw Rs. 5000 while B invested Rs. 5000 more. After 3 more months. C joins the business with a capital of Rs. 21000. The share of B exceeds that of C, out of a total profit of Rs. 26400 after one year, by \_\_\_ | |  | |  |  | | --- | --- | | a) | Rs. 1200 | | b) | Rs. 2400 | | c) | Rs. 3600 | | d) | Rs. 4800 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 2) | Jayant started a business, investing Rs. 6000. Six months later Madhu joined him, investing Rs. 4000. If they made a proft of Rs. 5200 at the end of the year. How much must be the share of Madhu? | |  | |  |  | | --- | --- | | a) | Rs. 2080 | | b) | Rs. 1300 | | c) | Rs. 1800 | | d) | Rs. 2600 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 3) | A, B, and C subscribe Rs. 47000 for a business. A subscribes Rs. 7000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 9400, B receives.... | |  | |  |  | | --- | --- | | a) | Rs. 4400 | | b) | Rs. 3000 | | c) | Rs. 2000 | | d) | rs. 1737.90 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 4) | A, B, and C are three partners in a business. If twice the investment of A is equal to thrice the capital of B and the capital of B is four times the capital of C. Out of a total profit of Rs. 5940 the share of C is \_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | Rs. 700 | | b) | Rs. 900 | | c) | Rs. 740 | | d) | Rs. 540 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 5) | A is a working and B is a sleeping partner in a business. A puts in Rs. 12000 and B rs. 20000. A receives 10% of the profit for managing, the rest being divided in proportion to their capitals. Out of a total profit of Rs. 9600 the money received by A is \_\_\_ | |  | |  |  | | --- | --- | | a) | Rs. 3240 | | b) | Rs. 4200 | | c) | rs. 3600 | | d) | Rs. 4500 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 6) | A vendor buys milk at a certain price adds water and sells the adulterated milk at the same rate as he brought it for. He makes a 30% profit. What % of water he adds to the milk? | |  | |  |  | | --- | --- | | a) | 30% | | b) | 15% | | c) | 20% | | d) | 60% |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 7) | A bottle of Whisky contains 3/4 of whisky and the rest water. How much of the mixture must be taken away and substituted by equal quantity of water so has to have half whisky and half water? | |  | |  |  | | --- | --- | | a) | 25% | | b) | 45% | | c) | 33 1/3% | | d) | 50% |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 8) | In what ratio must 1:4 mixture of whisky and water be mixed with a 1:1 mixture to obtain a 2:3 mixture? | |  | |  |  | | --- | --- | | a) | 2:3 | | b) | 3:2 | | c) | 2:1 | | d) | 1:2 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 9) | 10 litres a removed from a cask full of wine containing 60 litres and is then filled with water. 10 litres of mixture is again withdrawn from the container. What quantity of wine is now leftin the cask? | |  | |  |  | | --- | --- | | a) | 41 2/3 | | b) | 27 3/6 | | c) | 40 | | d) | cannot be determined |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 10) | Five litres are drawn from a cask full of wine and then is filled with water. Five litres of the mixture are drawn and the cask is again filled with water. The quantity of wine now left in the cask to that of the water in it is in the ratio 361:39. How much does the cask hold? | |  | |  |  | | --- | --- | | a) | 400 lts | | b) | 250 lts | | c) | 100 lts | | d) | 75 lts |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 11) | An alloy of zinc, tin and copper contains 90% of copper, 7% of zinc and 3% of tin. A second alloy of copper and tin only is melted with the first, and the mixture contains 85% of copper, 5% of zinc and 10% of tin. Find the percentage of the tin in the second alloy. | |  | |  |  | | --- | --- | | a) | 27.5% | | b) | 55% | | c) | 22.5% | | d) | 45% |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 12) | Two metals x and y are to be used for making two different alloys. If the ratio by weight of X:Y in the first alloy is 6:5 and that in the second is 7:13, how many kg of the X metal must be melted along with 11 kg of the first alloy and 20kg of the second so as to produce a new alloy containing 40% of metal Y? | |  | |  |  | | --- | --- | | a) | 11 | | b) | 12 | | c) | 13 | | d) | 14 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 13) | How many kgs of tea at RS 62.5 per kg must be added to 100 kg of tea at Rs 78 per kg so that a profit of 33.33% is made by selling the mixture at Rs 94 per kg? | |  | |  |  | | --- | --- | | a) | 93.75 kg | | b) | 85.75 kg | | c) | 78.75 kg | | d) | 80 kg |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 14) | A pot contains a mixture of milk and water in the ratio of 4:3 and another pot contains a mixture of milk and water in the ratio of 3:4. How many seers of the second mixture should be added to 7 seers of the first in order that the milk and water in the resulting mixture be 6:5? | |  | |  |  | | --- | --- | | a) | 14/9 | | b) | 9/14 | | c) | 11/14 | | d) | 14/11 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 15) | A merchant has 100 kg of sugar ,part of which he sells at 7% profit and the rest at 17% profit. He gains 10% on the whole. How much is sold at 17%? | |  | |  |  | | --- | --- | | a) | 28 kg | | b) | 30 kg | | c) | 32 kg | | d) | 31 kg |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 16) | The ratio of the incomes of A and B is 5 : 4 and the ratio of their expenditures is 3 : 2. If at the end of the year, each saves Rs. 1600, then the income of A is | |  | |  |  | | --- | --- | | a) | Rs 3400 | | b) | Rs 3600 | | c) | Rs 4000 | | d) | Rs 4400 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 17) | The compounded ratio of (2 : 3), (6 : 11) and (11 : 2) is : | |  | |  |  | | --- | --- | | a) | 1:2 | | b) | 2:1 | | c) | 11:24 | | d) | 36:121 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 18) | The electricity bill of a certain establishment is partly fixed and partly varies as the number of units of electricity consumed. When in a certain month 540 units are consumed, the bill is Rs. 1800. In another month 620 units are consumed and the bill is Rs. 2040. In yet another month 500 units are consmed. The bill for that month would be : | |  | |  |  | | --- | --- | | a) | Rs. 1560 | | b) | Rs. 1680 | | c) | Rs. 1840 | | d) | Rs. 1950 |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 19) | Zinc and copper are melted together in the ratio 9 : 11. What is the weight of melted mixture, if 28.8 kg of zinc has been consumed in it ? | |  | |  |  | | --- | --- | | a) | 58 kg | | b) | 60 kg | | c) | 64 kg | | d) | 70 kg |   . | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | 20) | Which of the following ratios is greatest ? | |  | |  |  | | --- | --- | | a) | 7 : 15 | | b) | 15 : 23 | | c) | 17 : 25 | | d) | 21 : 29 |   . | |