**Practice Test**

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| **1.** | |  |  |  |  | | --- | --- | --- | --- | | 1 | + | 1 | = ? | | 1 + *a*(*n*-*m*) | 1 + *a*(*m*-*n*) | |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | 0 |  | |  | B. | |  |  |  | | --- | --- | --- | | |  | | --- | | 1 | | 2 | | | |  | C. | |  | | --- | | 1 | |  | D. | |  | | --- | | *am*+*n* | | |

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| **Direction (for Q.No. 2):**  Find the odd man out. | |
| **2.** | 835, 734, 642, 751, 853, 981, 532 |
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| **3.** | Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary? |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  | | --- | --- | | Rs. 17,000 |  | |  | B. | |  | | --- | | Rs. 20,000 | | |  | C. | |  | | --- | | Rs. 25,500 | |  | D. | |  | | --- | | Rs. 38,000 | | |

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| **Direction (for Q.No. 4):**  Each of these questions is followed by three statements. You have to study the question and all the three statements given to decide whether any information provided in the statement(s) is redundant and can be dispensed with while answering the given question. | |
| **4.** | |  |  | | --- | --- | | Three friends, P, Q and R started a partnership business investing money in the ratio of 5 : 4 : 2 respectively for a period of 3 years. What is the amount received by P as his share profit? | | | I. | Total amount invested in the business in Rs. 22,000. | | II. | Profit earned at the end of 3 years is http://www.indiabix.com/_files/images/aptitude/1-div-3by8.gif of the total investment. | | III. | The average amount of profit earned per year is Rs. 2750. | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | I or II or III | | |  | B. | |  |  | | --- | --- | | Either III only, or I and II together |  | | |  | C. | |  | | --- | | Any two of the three | | |  | D. | |  | | --- | | All I, II and III are required. | | |  | E. | |  | | --- | | None of these | | |

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| **5.** | A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road? |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 2.91 m | |  | B. | |  |  | | --- | --- | | 3 m |  | | |  | C. | |  | | --- | | 5.82 m | |  | D. | |  | | --- | | None of these | | |

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| **6.** | A train speeds past a pole in 15 seconds and a platform 100 m long in 25 seconds. Its length is: |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 50 m | |  | B. | |  | | --- | | 150 m | | |  | C. | |  |  | | --- | --- | | 200 m |  | |  | D. | |  | | --- | | Data inadequate | | |

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| **7.** | Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each other in 23 seconds. The ratio of their speeds is: |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 1 : 3 | |  | B. | |  |  | | --- | --- | | 3 : 2 |  | | |  | C. | |  | | --- | | 3 : 4 | |  | D. | |  | | --- | | None of these | | |

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| 8. | In a two-digit, if it is known that its unit's digit exceeds its ten's digit by 2 and that the product of the given number and the sum of its digits is equal to 144, then the number is: |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 24 | |  | B. | |  | | --- | | 26 | | |  | C. | |  | | --- | | 42 | |  | D. | |  | | --- | | 46 | | |

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| **Direction (for Q.Nos. 9 - 10):**  Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question. | |
| **9.** | |  |  | | --- | --- | | How much did Rohit get as profit at the year-end in the business done by Nitin, Rohit and Kunal? | | | I. | Kunal invested Rs. 8000 for nine months, his profit was http://www.indiabix.com/_files/images/aptitude/1-div-3by2.gif times that of Rohit's and his investment was four times that of Nitin. | | II. | Nitin and Rohit invested for one year in the proportion 1 : 2 respectively. | | III. | The three together got Rs. 1000 as profit at the year end. | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | Only I and II | | |  | B. | |  |  | | --- | --- | | Only I and III |  | | |  | C. | |  | | --- | | Question cannot be answered even with the information in all the three statements. | | |  | D. | |  | | --- | | All I, II and III | | |  | E. | |  | | --- | | None of these | | |

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| **10.** | |  |  | | --- | --- | | What is R's share of profit in a joit venture? | | | I. | Q started business investing Rs. 80,000. | | II. | R joined him after 3 months. | | III. | P joined after 4 months with a capital of Rs. 1,20,000 and got Rs. 6000 as his share profit. | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | All I, II and III | | |  | B. | |  | | --- | | I and III only | | |  | C. | |  |  | | --- | --- | | II and III only |  | | |  | D. | |  | | --- | | Even with all I, II and III, the answer cannot be arrived at | | |  | E. | |  | | --- | | None of these | | |

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| **Direction (for Q.No. 11):**  Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is / are sufficient to answer the given question. Read the both statements and   * Give answer (A) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question. * Give answer (B) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question. * Give answer (C) if the data either in Statement I or in Statement II alone are sufficient to answer the question. * Give answer (D) if the data even in both Statements I and II together are not sufficient to answer the question. * Give answer(E) if the data in both Statements I and II together are necessary to answer the question. | |
| **11.** | |  |  | | --- | --- | | Is a given rectangular block, a cube? | | | I. | At least 2 faces of the rectangular block are squares. | | II. | The volume of the block is 64. | |
| |  |  |  |  | | --- | --- | --- | --- | |  | A. | |  | | --- | | I alone sufficient while II alone not sufficient to answer | | |  | B. | |  | | --- | | II alone sufficient while I alone not sufficient to answer | | |  | C. | |  |  | | --- | --- | | Either I or II alone sufficient to answer |  | | |  | D. | |  | | --- | | Both I and II are not sufficient to answer | | |  | E. | |  | | --- | | Both I and II are necessary to answer | | |

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| **12.** | 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. | |  | | --- | | 1.2 km | |  | B. | |  |  | | --- | --- | | 1.8 km |  | | |  | C. | |  | | --- | | 2.4 km | |  | D. | |  | | --- | | 3.6 km | | |

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| **13.** | The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class. |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 47.55 kg | |  | B. | |  |  | | --- | --- | | 48 kg |  | | |  | C. | |  | | --- | | 48.55 kg | |  | D. | |  | | --- | | 49.25 kg | | |

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| **14.** | A works twice as fast as B. If B can complete a work in 12 days independently, the number of days in which A and B can together finish the work in : |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 4 days | |  | B. | |  | | --- | | 6 days | | |  | C. | |  |  | | --- | --- | | 8 days |  | |  | D. | |  | | --- | | 18 days | | |

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| **15.** | A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in: |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 5 days | |  | B. | |  |  | | --- | --- | | 6 days |  | | |  | C. | |  | | --- | | 10 days | |  | D. | |  |  |  |  |  | | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | 10 | 1 | days | | 2 | | | |

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| **16.** | Which of the following has the most number of divisors? |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 99 | |  | B. | |  | | --- | | 101 | | |  | C. | |  |  | | --- | --- | | 176 |  | |  | D. | |  | | --- | | 182 | | |

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| **17.** | Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are 30º and 45º respectively. If the lighthouse is 100 m high, the distance between the two ships is: |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 173 m | |  | B. | |  |  | | --- | --- | | 200 m |  | | |  | C. | |  | | --- | | 273 m | |  | D. | |  | | --- | | 300 m | | |

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| **18.** | If the cost of *x* metres of wire is d rupees, then what is the cost of *y* metres of wire at the same rate? |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | Rs. | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | *xy* | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | *d* | | |  | B. | |  |  | | --- | --- | | Rs. (*xd*) |  | | |  | C. | |  | | --- | | Rs. (*yd*) | |  | D. | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | Rs. | http://www.indiabix.com/_files/images/aptitude/1-sym-oparen-h1.gif | *yd* | http://www.indiabix.com/_files/images/aptitude/1-sym-cparen-h1.gif | | *x* | | | |

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| **Direction (for Q.Nos. 19 - 20):**  Find out the wrong number in the given sequence of numbers. | |
| **19.** | 46080, 3840, 384, 48, 24, 2, 1 |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 1 | |  | B. | |  |  | | --- | --- | | 2 |  | | |  | C. | |  | | --- | | 24 | |  | D. | |  | | --- | | 384 | | |

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| **20.** | 6, 13, 18, 25, 30, 37, 40 |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | |  | A. | |  | | --- | | 25 | |  | B. | |  |  | | --- | --- | | 30 |  | | |  | C. | |  | | --- | | 37 | |  | D. | |  | | --- | | 40 | | |