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| |  |  | | --- | --- | | 1) | The population of a country increases by 10%,20% and 50% respectively in three successive years. If the population after three years would be 990000, find the present population. | |  | |  |  | | --- | --- | | a) | 1000000 | | b) | 500000 | | c) | 780000 | | d) | 550000 |   . | |

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| |  |  | | --- | --- | | 2) | Find the next number in the following series  17,23,31,41,47, \_\_\_\_\_\_ | |  | |  |  | | --- | --- | | a) | 53 | | b) | 59 | | c) | 61 | | d) | 63 |   . | |

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| |  |  | | --- | --- | | 3) | The difference between SI and CI on a certain sum after 3 years at the rate of 30% p.a is Rs 29700/-. Find the sum. | |  | |  |  | | --- | --- | | a) | 1,00,000 /- | | b) | 297000 /- | | c) | 129700 /- | | d) | 2,00,000 /- |   . | |

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| |  |  | | --- | --- | | 4) | On which day of the week will 23 rd feb 2020 fall? | |  | |  |  | | --- | --- | | a) | sunday | | b) | monday | | c) | tuesday | | d) | saturday |   . | |

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| |  |  | | --- | --- | | 5) | A clock which uniformly gains was 3 min slow on tuesday at 2pm. It shows 4min fast on 7 pm on friday. At what time it shows correct time? | |  | |  |  | | --- | --- | | a) | 11am wednesday | | b) | 11pm wednesday | | c) | 1am Thursday | | d) | 3am Friday |   . | |

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| |  |  | | --- | --- | | 6) | Pipe A can fill the tank in 24min. Pipe B can fill the same tank in 32min and Pipe C can empty the full tank in 48min. If all three are opened when the tank is empty and Pipe C is closed after 5min,in how many toatl minutes tank will be full? | |  | |  |  | | --- | --- | | a) | 10 1/7 min | | b) | 16 1/7 min | | c) | 15 1/7 min | | d) | 16 mins |   . | |

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| |  |  | | --- | --- | | 7) | In how many different ways can 6 boys and 3 girls be arranged in such a way that no two girls are together? | |  | |  |  | | --- | --- | | a) | 332100 | | b) | 161200 | | c) | 14400 | | d) | 151200 |   . | |

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| |  |  | | --- | --- | | 8) | In a tournament 12 teams participated .Find the total number of matches including 2 semi-finals , 1 final if each team play one match against every other team before qualifying to semi-finals. | |  | |  |  | | --- | --- | | a) | 66 | | b) | 69 | | c) | 71 | | d) | 72 | | e) | 132 |   . | |

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| |  |  | | --- | --- | | 9) | The reduction in 30% in the price enables a person to buy 6 more apples for Rs 700. Find the original price of any apple. | |  | |  |  | | --- | --- | | a) | Rs 50 | | b) | Rs 35 | | c) | Rs 40 | | d) | Rs 70 |   . | |

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| |  |  | | --- | --- | | 10) | If the reflection of a clock in the mirror is 11:33, find the original time. | |  | |  |  | | --- | --- | | a) | 11:33 | | b) | 12:44 | | c) | 11:27 | | d) | 12:27 |   . | |

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| |  |  | | --- | --- | | 11) | A can contains 800 litres of pure wine. 400 litres is taken out and replaced with water. If this procedure is repeated for another 2 times, find the quantity of wine in the resultant solution. | |  | |  |  | | --- | --- | | a) | 150 L | | b) | 50 L | | c) | 200 L | | d) | 100 L |   . | |

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| |  |  | | --- | --- | | 12) | A theif steals a car at 3:00 am and drives at a speed of 60 km/hr. Police identifies the theft at 4:30am and drives behind the theif at 70 kmph. At what time will the police catch the theif? | |  | |  |  | | --- | --- | | a) | 1:30pm | | b) | 12:00pm | | c) | 12:30pm | | d) | 11:00am |   . | |

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| |  |  | | --- | --- | | 13) | If GNITS is coded as IQNAD then SUNTEK is coded as | |  | |  |  | | --- | --- | | a) | UXSAPX | | b) | UYSAPY | | c) | UXTAPY | | d) | VXSAPX |   . | |

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| |  |  | | --- | --- | | 14) | The average weight of 35 members in the class is 53 kgs. Two members left the class and the average weight has decreased by 3 kg. Find the average weight of the two who left the class. | |  | |  |  | | --- | --- | | a) | 100 kg | | b) | 102.5 kg | | c) | 205 kg | | d) | 97.5 kg |   . | |

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| |  |  | | --- | --- | | 15) | Statement  a) All girls are boys  b) All boys are intelligent  c) Allintelligent are badd) Some boys are proud  Conclusions  1) Some girls are bad  2) Some intelligent are proud  3) No girl is proud  4) Some proud are bad | |  | |  |  | | --- | --- | | a) | only 1 follows | | b) | All follow | | c) | only 1, 2, 3 follow | | d) | only 1, 2 , 4 follow |   . | |