Sample Questions

1. A probability sampling technique in which respondent has an equal chance of being selected is called _____
    a. Random sampling
    b. Convenience sampling
    c. Snowball sampling
    d. Quota sampling

2. A baker made a combination of pizzas and burgers. His recipes allowed him to make pizzas in batches of 4, and burgers in batches of 5. If he made exactly 25 food items for sale, what is the number of pizzas made by him?
    a. 5
    b. 2
    c. 4
    d. 3

3. If r = -3, then $r^4 + 2r^3 + 3r^2 + r =$
    a. 51
    b. 50
    c. 49
    d. 52

4. The sampling method wherein further respondents are selected based on references from a set of selected respondents is known as _____
    a. Probability Sampling
    b. Convenience Sampling
    c. Stratified Sampling
    d. Snowball Sampling

5. For which n is the remainder smallest when the number 37864 is divided by n?
    a. 4
    b. 6
    c. 7
    d. 9

6. If the radius of a cylinder is tripled while its height is made one-third, its volume will be
    a. increased by 200%
    b. increased by 300%
    c. unchanged
    d. increased by 100%

7. Through how many degrees does the minute hand of a clock turn from 2.55 am to 3.10 am on the same day?
    a. 90
    b. 120
    c. 135
    d. 150

8.   Which of the following is a common factor of both x^2-5x+6 and $x^2-9x+14$?
           a. x-5
           b. x-2
           c. x-3
           d. x-1

   9.   If 3x + 4y is an odd number, which of the following cannot be true?
           I.   x is odd and y is odd
           II.   x is even and y is even
           III.   a is even and y is odd

           a.   I only
           b.   I and II only
           c.   II and III only
           d.   III only

   10. A part of this question is underlined. Select the best option to replace the underlined part. There could also be an option in which the underlined part remains the same.
        Stories about rail disasters are carefully edited in the on-board rail magazines, <u>since they</u> have no desire to increase the anxiety of rail passengers.
           a. because rail authorities
           b. since they
           c. inasmuch as they
           d. due to rail authorities