

GBHSS -ALANGUDI

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ONE MARK TEST FROM II CHAPTER test No:4

1) The remainder is always ----- the divisor

(A) equal to (B) greater than (C) $\geq$ (D) less than

2) The quotient and remainder when -23 divided by 3

(A) $q=8, r=1$ (B) $q=-6, r=1$ (C) $q=-8, r=1$ (D) $q=-8, r=-1$

3) If V is the HCF of 555 and 342, find x and y satisfying

$$V=45x+7y$$

(A) $x=1, y=4$ (B) $x=1, y=-2$ (C) $x=1, y=-6$ (D) $x=1, y=5$

4) All positive integers, when divided by 7 leaves remainder 5

(A) -5,10,15... (B) 5,12,21,... (C) 5,12,19 (D) 5,12,19,...

5) If $5184 = 3^a \times 4^b$ then the value of a, b is

(A) 2,2 (B) 3,4 (C) 4,3 (D) 4,5

6) The 12 th term from the last term of the A.P -2,-4,-6,...-100

(A) 88 (B) -88 (C) -78 (D) -68

7) If $P^2 \times q^1 \times r^4 \times s^3 = 315000$ then the value of p, q, r and s

(A) 3, 7, 5, 2 (B) 1, 2, 3, 4 (C) 2, 4, 1, 5 (D) 1, 2, 4, 5

8) The least number that is divisible by the first ten natural

Numbers is

(A) 2025 (B) 2520 (C) 5025 (D) 5052

9) If $3+k, 18-k, 5k+1$, are A.P then x and y is

(A) 4 (B) 5 (C) 7 (D) 11

10) If $a_n = -(n^2 - 4)$ then a_{11} is

(A) 111 (B) -117 (C) -107 (D) -111