NAME		MARKS	
CLASS			**30**

TOPICAL TEST 1 (Topic 1.1 & 1.2)

Answer ALL questions. Show your working. [Calculator should NOT be used]

1. Consider the seven numbers: **35 , 1 , 15 , 3 , 12 , 19 , 24.** Write down

    (a) all the prime numbers

    Ans: _____ (1)

    (b) the numbers that have a factor of 5

    Ans: _____ (1)

    (c) the multiples of 4

    Ans: _____ (1)

    (d) the composite numbers which are greater than 20

    Ans: _____ (1)

2. (a) Find the highest common factor of 24 , 48 and 84.

    Ans: _____ (2)

    (b) Find the prime factorization of 520.

    Ans: _____ (2)

3. (a) Evaluate $5 \times [\, 5 - (\, -7 \,) \,]$

    Ans: _____ (2)

    (b) Calculate $2^0 + 4^2 - 3^2$

    Ans: _____ (2)

1

4. (a) Express $2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 7$ in index notation.

Ans: _____ (1)

(b) Complete the next two terms of the number pattern below.

$$-3 \, , \ -1 \, , \ \ 2 \, , \ \ 6 \, , \ \underline{\hspace{2cm}} \, , \ \underline{\hspace{2cm}}$$

(2)

5. (a) Find the Least Common Multiple (L.C.M) of 28 , 35 and 70

Ans: _____ (2)

(b) Express 420 as product of its prime factors.

Ans: _____ (2)

6. (a) List down the first three multiples of 27

Ans: _____ (1)

(b) Evaluate $54 + 3 \times 2 - (-2)$

Ans: _____ (2)

7. Two prime numbers have a sum of 19. What are the two numbers?

Ans: _____ and _____ (2)

8. Evaluate $[\, (\, 100 \div 5 + 6 \,) \times 4 \,] - 20$

Ans: _____ (2)

9. Find the sum of **perfect squares** between 20 and 40.

Ans: _____ (2)

10. Write the symbol < , > or = in box provided.

(a) $-3 - 4$ [　　]   7

(b)   8   [　　] $4^2 \div 2$

(2)