



# MATHS

## BOOKS - FULL MARKS MATHS (TAMIL ENGLISH)

### SAMPLE PAPER-1 (Departmental Model Paper)

**Part I Choose The Correct Answer**

1. If  $n(A \times B) = 6$  and  $A = \{1, 3\}$ , then

$n(B)$  is

A. 1

B. 2

C. 3

D. 6

**Answer:**



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2.

Given

$$F_1 = 1, F_2 = 3 \text{ and } F_n = F_{n-1} + F_{n-2}$$

then  $F_5$  is

A. 3

B. 5

C. 8

D. 11

**Answer:**



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3. In an A.P., the first is 1 and the common difference is 4. How many terms of the A.P must be taken for their sum to be equal to 120?

A. 6

B. 7

C. 8

D. 9

**Answer: C**



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4.  $f = \{(2, 1), (3, b), (4, b), (5, c)\}$  is a \_\_\_\_.

- A. identity function
- B. one-one function
- C. many-one function
- D. constant function

**Answer:**



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5. The number of points of intersection of the quadratic polynomial  $x^2 + 4x + 4$  with the X axis.

A. 0

B. 1

C. 0 (or) 1

D. 2

**Answer:**



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