

Date:

B. 20/10/2020

Subject:

Permutation

(4-1)! = 3! = 12. (2)

4! = 24. (1)

$\binom{4}{2} \times 2! = \frac{4!}{2! \cdot 2!} \times 2! = 12$ . (3)

$\frac{(4-1)!}{1} = \frac{3!}{1} = 3 \times 2 \times 1 = 6$ . (4)

$5 \cdot \binom{4}{2} \times 2! = 5 \cdot \frac{4!}{2! \cdot 2!} \times 2! = 60$ . (5)

$\binom{4}{2} \times 2! = \frac{4!}{2! \cdot 2!} \times 2! = 12$ . (6)

abcd ed ef  $\Rightarrow 3! = 12$ . (7)

$\binom{2}{1} \times 2! = 2 \times 2! = 4$ . (8)

locación  $\frac{4!}{2!} = 12$ . (9)

cd e abf  $3! \cdot 2! = 12$ . (10)

ed cd abf  $\frac{4!}{2!} = 12$ . (11)

ab cd ef  $\Rightarrow 2! \times 2! = 4$ . (12)

ed cd ab ef  $\frac{4!}{2! \cdot 2!} = 6$ . (13)

ed cd b e f  $4! = 24$ . (14)

ed cd ab ef  $2! \times 2! \times 2! = 24$ . (15)

ed cd ab ef  $4! \times 2! = 48$ . (16)

$20 \cdot \binom{4}{2} = \binom{4}{2} + \binom{4}{2} = 6 + 6 = 12$ . (17)

$20 \cdot \binom{4}{2} = 20 \cdot 6 = 120$ . (18)

$2! \times 2! = 4$ . (19)

$2! \times 2! \times 2! = 24$ . (20)

MAHAN