

$$\frac{4!}{3!} = 120 \text{ (سوال 12)}$$

$$\frac{4!}{3!} = 120 \text{ (سوال 13)}$$

$$180 \leq \frac{4!}{2! \times 2!} \text{ (سوال 14)}$$

.....
 $4! \times 5! \text{ (سوال 15)}$
 $\rightarrow 172800$

.....
 $2! \times 5! \times 5! \text{ (سوال 16)}$
 28800

- 0 - 0 - 0 - 0 - 0 -
 $\binom{4}{5} \times 5! \times 5! \text{ (سوال 17)}$

$$10! - \left(\binom{4}{5} \times 5! \times 5! \right) - (4! \times 5!) \text{ (سوال 18)}$$

.....
 $5! \times 5! \times 2! = 28800 \text{ (سوال 19)}$

$$4! \times 5! = 288 \text{ (سوال 20)}$$

20

زینب تافى

(سوال 1)

$$720 \leq 4!$$

(سوال 2)

$$120 = 5!$$

(سوال 3)

$$40 \leq \frac{5!}{2}$$

(سوال 4)

$$\frac{4!}{4! \times 2!} \times 4! = 360 \leq \binom{4}{2} \times 4!$$

(سوال 5)

$$\frac{4!}{4! \times 2!} \times 3! = 90 \leq \binom{4}{2} \times 3!$$

(سوال 6)

$$\frac{4!}{4! \times 4} \times 3! = 45 \leq \binom{4}{2} \frac{3!}{2}$$

(سوال 7)

$$\frac{4!}{3! \times 1!} \times 4! = 96 \leq \binom{4}{3} \times 4!$$

(سوال 8)

$$5! = 120$$

(سوال 9)

$$5! \times 2! = 240$$

(سوال 10)

$$\frac{4!}{2!} = 300$$

(سوال 11)

$$144 \leq 3! \times 4!$$