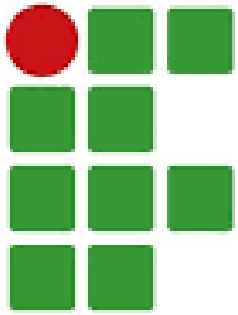

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SALA: 317

MATEMATICA

SEMANA 15

DOM SEG TER QUA QUI SEX SÁB

① $\frac{P_3 - A_{4,3}}{C_{4,2}}$ $\quad \frac{5! - 4!}{(4-3)!} = \frac{120 - 24}{1} = 96$ $\quad \frac{\frac{4!}{(4-2)!}}{\frac{4.3.2!}{2!2!}} = \frac{12}{6} = 2$ $\quad \frac{96}{6} = 16$

R: 16

② $\frac{8.7.6.4.3}{5!} = \frac{2016}{120} = 28$

R: 28 modos

③

Br = 4p → 3br $\quad \frac{6.5}{2.1} = 3.5 = 15$

It = 6p → 2it

$\frac{4!}{3!} = \frac{4.3!}{3!} = 4$ $\quad 15.4 = 60$

R: 60

④ $\frac{5!}{3!(5-3)!} = \frac{5.4.3!}{3!.2.1} = \frac{5.4}{2} = \frac{20}{2} = 10$

R: 10

⑤ $\frac{6.5}{2.1} = \frac{30}{2} \cdot 15$ $\quad \left\{ \frac{4.3}{2.1} \cdot \frac{12}{2} = 6 \right\}$ $15.6 = 90$

R: (C)

⑥ $\frac{12}{3} = 4$ $\quad \frac{9}{3} = 3$ $\quad X^{4,3}$

$\frac{4!}{3!} = \frac{4.3!}{3!} = 4 \rightarrow x^3 \rightarrow 4^3 = 64$

R: (E)

⑦ $\frac{5!}{3!2!} = \frac{5.4.3!}{3!.2.1} = \frac{20}{2} = 10$ $\quad 10.4 = 40$ ← 1° fase

$4 + 2.1 = 7$

← 2° fase

$40 + 7 = 47$

R: (E)

DOM SEG TER QUA QUI SEX SÁB

(8) $\frac{6.5}{2.1} = \frac{30}{2} = 15$ $\frac{4.3}{2.1} = \frac{12}{2} = 6$ $\frac{2.1}{2.1} = 1$

$15.6.1 = 90$

R: (D)

(9) $\frac{10!}{1!(10-1)!} = \frac{10.9!}{9!} = 10$ $\frac{10!}{2!(10-2)!} = \frac{10.9.8!}{2.1.8!} = \frac{90}{2} = 45$

$\frac{10!}{3!(10-7)!} = \frac{10.9.8.7!}{3.2.1.7!} = \frac{720}{6} = 120$

$10+45+120 = 175$

$175.3 = 525$

R: (A)