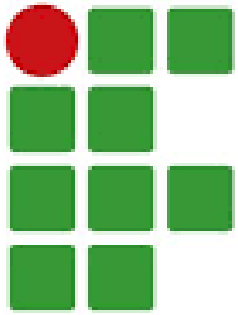

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SALA: 317

MATEMATICA

SEMANA 16

① $\{1, 2 \ldots 20\}$

10 impares $\{1, 3, 5, 7, 9, 11, 13, 15, 17, 19\}$ - 20

9 - 19

$P: \frac{10}{20} \cdot \frac{9}{19} = \frac{1}{2} \cdot \frac{9}{19} = \boxed{\frac{9}{38}}$

R: (A)

② $[1, 2, 3, 4, 5, 6]$ pares $\rightarrow \{2, 4, 6\} = n(A) = 3$

$P_r(A) = \frac{3}{6} = \frac{1}{2}$

R: (D)

③ 1000 p

17% femininos

49% masc.

$1000 \cdot 0,17 = 170 \cdot 0,49 = 75$

$n(m) = \frac{75}{n(S) = 1000} = 0,075$

R: (B)

④ $[2, 3, 4 \ldots 37] \rightarrow$ Primos $[2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37]$

$C_{12,2} \rightarrow \frac{12}{2} \cdot \frac{11}{1} = \frac{132}{2} = 66$

$(2,3), (5,7), (11,13), (17,19), (23,29), (31,37)$

$n(A) = 5$ $\}$ $P(A) = \frac{5}{66}$

$n(S) = 66$ $\}$

R: (B)

⑤ $[1, 2, 3 \ldots 99] \rightarrow 33 / 3 \rightarrow \frac{33}{99} = \frac{1}{3}$

R: (B)

⑥ Faces $(2,5), (3,4), (5,2), (4,3), (6,1), (1,6)$

$n(S)$ $6 \cdot 6 = 36$ $\frac{6 \div 6}{36 \div 6} = \frac{1}{6}$

R: (C)