$$\frac{2 \cdot 7}{2 \cdot 7} = \frac{0.02 + 0.12 + 0.42}{0.01 + 0.09 + 0.49} \cdot \sqrt{0.04}$$

$$= 0.56 \sqrt{0.56}$$

$$= \sqrt{0.59} \cdot \sqrt{0.56}$$

$$= \frac{56}{59} = 0.9742$$

$$\frac{0.02}{0.05 \times 0.1} = \frac{1}{0.25} = 4$$

$$\therefore PMI = 2$$

4 times
$$\times \left(\frac{1000}{100}\right) =$$

$$log_{10} + 1 = 0.6989 = 0.7$$

$$\int_{0}^{\infty} \left| \frac{P(d,s)}{P(d)P(s)} \right| = \int_{0}^{\infty} \frac{\frac{20}{1000}}{\frac{30}{1000}} \frac{50}{1000}$$

$$= \frac{20000}{500}$$

$$= \frac{200}{500} = \frac{40}{500} = \frac{40}{50$$