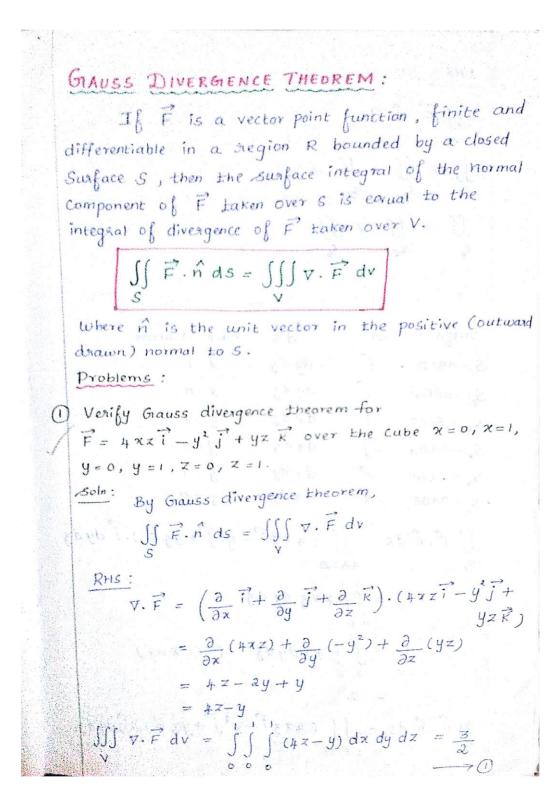




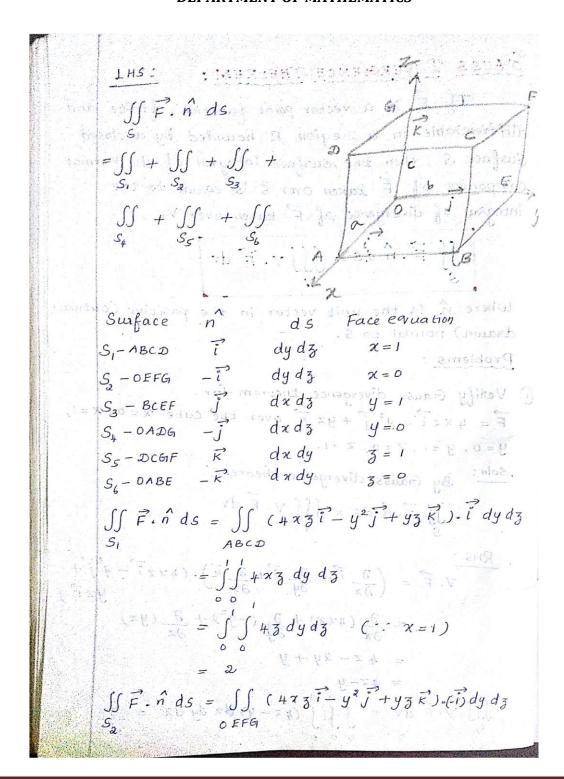
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Accredited by NAAC-UGC with 'A++' Grade (Cycle III) & COIMBATORE-641 035, TAMIL NADU







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$$\begin{aligned} &= \int_{0}^{\infty} (-4x_{3}) \, dy \, dz = 0 \quad (\cdots x = 0) \\ &= \int_{0}^{\infty} (-4x_{3})^{2} \, dy \, dz = 0 \quad (\cdots x = 0) \\ &= \int_{0}^{\infty} (-y^{2}) \, dx \, dz \quad (\text{Here } y = 1) \end{aligned}$$

$$= \int_{0}^{\infty} (-y^{2}) \, dx \, dz \quad (\text{Here } y = 1)$$

$$= \int_{0}^{\infty} (-4x_{3})^{2} \, -y^{2} \, y + y_{3} \, k \, y \cdot (-j) \, dx \, dz$$

$$= \int_{0}^{\infty} \int_{0}^{\infty} (-4x_{3})^{2} \, -y^{2} \, y + y_{3} \, k \, y \cdot (-j) \, dx \, dz$$

$$= \int_{0}^{\infty} \int_{0}^{\infty} y^{2} \, dx \, dy = \int_{0}^{\infty} y \, dx \, dy \quad (\because z = 0)$$

$$= \int_{0}^{\infty} \int_{0}^{\infty} (-y_{3}) \, dx \, dy = 0 \quad (\because z = 0)$$

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