

BAS103-BAS103H
ENGINEERING MATHEMATICS-I
MORNING SHIFT, MARCH 03, 2025

Corrections:

Q2(d) Apply Dirichlet's theorem to evaluate $\iiint xyz dx dy dz$ taken throughout the ellipsoid $\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} \leq 1$.

Q6(b) Change the order of integration and then evaluate

$$\int_0^{2a} \int_{\frac{x^2}{4a}}^{3a-x} (x^2 + y^2) dy dx$$

QP25DP2_033
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