King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-111   QUIZ IV

NAME: S.No.   ID:

Maximum Marks: 10   Section:10   Time Allowed: 35 minutes

(1) Evaluate $\int \int_D x \, dA$, where D is the region in the first quadrant that lies between $x^2 + y^2 = 4$ and $x^2 + y^2 = 2x$.

(2)Evaluate $\int_0^4 \int_{\frac{y}{2}}^2 e^{x^2} dx \, dy$.

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