King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-121   QUIZ VI

NAME: S.No.   ID:

Maximum Marks: 10   Section:07   Time Allowed: 30 minutes
(1) Find the volume of the solid above the cone $z = \sqrt{x^2 + y^2}$ and below the sphere $x^2 + y^2 + z^2 = 1$.
(2) Evaluate the iterated integral $\int_0^1 \int_{3y}^3 e^{x^2} dxdy$.