

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201 Semester-152 QUIZ VI

NAME:

S.No.

ID:

Maximum Marks: 10

Section: 13

Time Allowed: 30 minutes

(1) Evaluate $\int_1^4 \int_1^2 \left(\frac{x}{y} + \frac{y}{x}\right) dy dx$.

(2) Evaluate $\int_0^3 \int_{\sqrt{\frac{x}{3}}}^1 e^{y^3} dy dx$.

(3) Find the area of the region bounded by $y = 2x$, $y = x/2$ and $y = 3 - x$.