King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201   Semester-101   QUIZ II

NAME: S.No.   ID:

Maximum Marks: 10   Section:10   Time Allowed: 15 minutes
(1) Sketch the curve with polar equation $r = -2cos\frac{\theta}{2}$, $0 \leq \theta \leq \pi$.
(2) Find the area of the region that lies inside the curve $r^2 = 8cos2\theta$ and outside
the curve $r = 2$.
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