

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:08

Time Allowed: 15 minutes

- (1) Sketch the curve with polar equation $r = 2\cos\frac{\theta}{2}$, $\pi \leq \theta \leq 2\pi$.
- (2) Find the area between the curves $r^2 = \cos 2\theta$ and $r^2 = \sin 2\theta$.