FAST – National University of Computer & Emerging Sciences

Computer Science Department(Karachi Campus)

***Re\_Mid II***

Course Code: MT103 CALCULUS-II Date: 6/04/2016

Time Allowed: 01 Hour Spring 2016 Max. Marks: 45

**NOTE: 1) Attempt ALL Questions in order.**

**2) Return the question paper along with answer sheet.**

Q-1 Find the local maximum , minimum and saddle point at each critical point of the

function

Q-2 Determine whether the planes are parallel , perpendicular or neither ,

if neither find the angle and if parallel find the distance between them

Q-3 Evaluate the iterated integrals

Q-4 Evaluate

where R is the region bounded by parabola and

Q-5 Consider show that