KFUPM – Department of Mathematics and Statistics – Term 181 MATH 202 QUIZ # 3 Code 1 (Duration = 20 minutes)

NAME:______ ID:_____ Section: _____

Exercise 1 (5 points) Solve the differential Equation $y''' - 3y'' + 4y' - 2y = x + e^x$

Exercise 2 (5 points) Solve the differential Equation $y'' + y = \sec(x)$

KFUPM – Department of Mathematics and Statistics – Term 181 MATH 202 QUIZ # 3 Code 2 (Duration = 20 minutes)

NAME:______ ID:_____ Section: _____

Exercise 1 (5 points) Solve the differential Equation $y''' - 3y'' + 4y' + 8y = x + e^{-x}$

Exercise 2 (5 points) Solve the differential Equation $y'' + y = \csc(x)$