Math-202 Semester-122 QUIZ IV

NAME: S.No. ID:

Maximum Marks:15 Section:04 Time Allowed: 45 minutes

(1) Convert the following equation into equation with constant coefficients and solve:

$$x^2y'' - xy' + y = \ln x.$$

(2) Find the series solution of the differential equation about the ordinary point x=0

$$y'' - xy' + 2y = 0.$$