Assignment 4

[CSE (A) and CSD]-2ND YEAR (3150301and 3290301)

1. Define Generating Function and Recurrence Relation with example.

2. Solve the Recurrence relation -5= + r, r≥2 with boundary conditions.

3. Determine the discrete numeric functions corresponding to the following generating function A (z) =

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5. Write the Generating Function of the sequence

= (r+2) (r+1)/2