- 10. (a) Find the general solution of the recurrence relation $3x_{n+2} x_{n+1} 2x_n = 0$. [4]
- (b) Find the general solution of the recurrence relation 3x_{n+2} x_{n+1} 2x_n = 5. [4]
 (c) Solve the recurrence relation 3x_{n+2} x_{n+1} 2x_n = 5 given that x₀ = 1 and x₁ = 7.