MMT-001 (P)

M.Sc. (MACS) PROGRAMME

Term-End Practical Examination

December, 2013

MMT-001 (P) : PROGRAM AND DATA STRUCTURE

Time : 2 hours *Maximum Marks : 50*

*Note : There are **two** questions in this paper, totalling **40** marks. Answer **both** of them. Remaining **10** marks are for **viva-voce.***

1. Write a C program that evaluates a polynomial at a given value using Harner's method. Your program should prompt for the degree of the polynomial, co-efficients of the polynomial, value at which the polynomial is to be evaluated and print the answer. Use your programme to evaluate the polynomial **15**
$x^{10} - 7x^9 + 8x^6 + 9x^3 + x + 1$ at the point 2.35.

2. Write a programme in C for the implementation of a queue using singly linked list. The elements of the queue should be strings of length at most 20 characters. It should prompt for the string, insert it in the queue and after it finishes reading the strings, it should print the contents of the queue. **25**