STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2009– 10)

SUBJECT CODE : CS/PE/AT13

M.Sc. DEGREE EXAMINATION, NOVEMBER 2009
INFORMATION TECHNOLOGY
FIRST SEMESTER

COURSE   : ELECTIVE
PAPER   : ADVANCED PROGRAMMING TECHNIQUES
TIME   : 60 MINUTES   MAX.MARKS: 30

SECTION – A   **(5 * 2 = 10)**

ANSWER ALL THE QUESTIONS

1.   Define recursion with example.

2.   Write briefly on structures.

3.   Write about malloc().

4.   Define doubly linked list.

5.   What are the bitwise operators available in C?

SECTION – B   **(4 * 5 = 20)**

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS

6.   Write a program for sorting an array.

7.   Explain about structures with in a structure with example.

8.   Discuss on passing pointers to a function.

9.   Explain about stacks and queues.

10.   Discuss on the operations on file.

11.   Explain about any five C preprocessors.

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