

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2011 – 12 and thereafter)

SUBJECT CODE: 11CS/PE/AP14

M.Sc. DEGREE EXAMINATION, NOVEMBER 2013
INFORMATION TECHNOLOGY
FIRST SEMESTER

COURSE : ELECTIVE
PAPER : ADVANCED PROGRAMMING WITH C
TIME : 1 ½ HOURS

MAX. MARKS: 50

SECTION – A

Answer **ALL** the questions

(5 * 2 = 10 Marks)

- 1) What is a variable? Give an example.
- 2) Define array. Write the syntax for single dimensional array.
- 3) What is the function of malloc?
- 4) Explain operations of pointers.
- 5) What is a file?

SECTION – B

Answer any **FOUR** questions

(4 * 5 = 20 Marks)

- 6) Give a detailed account on arithmetic operators.
- 7) Explain the concept of recursion.
- 8) Write a program to find out the greatest of three numbers.
- 9) Give a detailed account on arrays of structures.
- 10) Explain array of pointers with example.
- 11) Explain file handling functions with examples.

SECTION - C

Answer any **TWO** questions

(2 * 10 = 20 Marks)

- 12) Explain in detail about different loops in detail.
- 13) Explain about string processing using arrays with example.
- 14) Explain in detail about dynamic memory allocation in C with examples.
