Before answering the question paper the candidate should ensure that
they have been supplied the correct question paper. Complaints in this
regard, if any, shall not be entertained after the examination.

Note: Question No. 1 is Compulsory and attempt two questions from each
section. All questions carry equal marks.

SECTION - A

1(a) what is an operating system. What are the various functions
performed by the operating system.
(b) Give the syntax of for, while and do-while loops. Explain with
example.
(c) Define structure and give suitable example.
(d) What are the various string handling functions. Explain any five.

SECTION - B

5(a) Define array. Write a program to find the sum of 10 numbers using
array.
(b) Explain malloc () and calloc () function with example.
6(a) Define pointer. Describe the use of pointer as function arguments.
(b) Define files and give its various types. Explain fopen and fclose
functions with example.
7(a) write a program to copy one string to another string without using
the string function.
(b) Define macro and explain its purpose with the help of example.