(b) Differentiate between the followings with suitable examples.

(i) break and continue statements

(ii) printf ( ) and scanf ( ) functions.

Q. 4. (a) Write a program in C language to find out the average of ten numbers stored in an array.

(b) What is function ? What is its importance in C language ? Explain with the help of a suitable example.

Q. 5. (a) Write a program in C language to accept any string from the keyboard and display it in the reverse order on the screen.

(b) Discuss the various fle opening modes in C language.

Q. 6. (a) Explain the following :

(i) Type conversion

(ii) Storage classes in C

(b) What are different sorting methods ? Explain any one with the help of a C program.

Q. 7. Write short notes on any four :

(i) Dynamic memory allocation

(ii) Data types in C

(iii) Modular programming

(iv) Main functions

(v) Scope rules

B.Tech. Examination, 2017

(First Semester)

(M.E. and E.C. Branch)

INTRODUCTION TO PROGRAMMING

Paper - III

Time Allowed : Three Hours

Maximum Marks : 100

Note : Attempt any five questions. All questions carry equal marks.

Q. 1. (a) 'C is a middle level language', comment on this statement.

(b) Explain various C operators.

Q. 2. (a) Write the syntax for the following control statements along with an example for each :

(i) Switch statement

(ii) For statement

(b) What is operating system ? Explain functions of operating system. List and define features of windows operating system.

Q. 3. (a) What are pointers ? What are the advantages of using pointers in programming ? What are the differences between passing parameters by value and passing by reference (using pointers) ? Give an example of each.

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