

- Q.2** (a) Define following **07**
 1) Operating System 2) Compiler 3) Interpreter
 4) Assembler 5) Loader 6) Linker 7) Preprocessor.
- (b) Draw a flow chart to do the sum of 10 elements read from the user. **07**
- Q.3** (a) Explain primary data types used in C. **07**
 (b) Write a program to select and print the largest of the three nos. using nested-if-else statement. **07**
- Q.4** (a) Explain various types of loop available in C with example. **07**
 (b) Write a program to perform addition, multiplication, subtraction and division with switch statement. **07**
- Q.5** (a) Describe following string functions in C-Language. **07**
 1) strcpy() 2) strcat() 3) strlen() 4) strcmp()
- (b) Write a program to print the following pattern. **07**
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- Q.6** (a) List out the categories of functions of C. Explain any one category with example. **07**  
 (b) What is pointer ? Give its benefits. Write a program to do swapping of two elements using function with two pointers as arguments. **07**
- Q.7** (a) What is structure ? Explain nested structure and array of structure with example. **07**  
 (b) What is file management ? List the different file management functions and explain the various file modes. **07**

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