

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
F.Y.B.Sc.(Computer Science) Sem-I : WINTER :- 2021
SUBJECT: PROGRAMMING IN C-I

Day : Wednesday
Date 19-01-2022

W-20067-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 60

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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- Q.1** ANSWER **ANY TWO** of the following: **(12)**
- a) Describe the features of structured programming in detail.
 - b) Write a C program to accept any two positive integers and swap their contents.
 - c) What are reserved words? List any 6 reserved words supported by C language.
- Q.2** Answer **ANY TWO** of the following: **(12)**
- a) What is Typecasting? Explain with example.
 - b) Discuss standard datatypes supported by C language.
 - c) Write a C program to find reverse of a three digit number.
- Q.3** Answer **ANY TWO** of the following: **(12)**
- a) Write a C program to check given number is a palindrome.
 - b) What do you mean by decision making statements? Give syntax and example of Nested –If statement.
 - c) Differentiate between- while loop and for loop.
- Q.4** Answer **ANY THREE** following: **(12)**
- a) Write a C program to print maximum of three numbers.
 - b) Define- Variable and constant.
 - c) Write a C function ‘add’ to find sum of two integers.
 - d) Give the purpose of – printf() and scanf() statements.
- Q.5** Answer **ANY FOUR** following: **(12)**
- a) Describe the character set supported by C language.
 - b) What is preprocessor directive?
 - c) Give syntax and example of – strlen() , strcpy()
 - d) Write a C program to check given number is even or odd.
 - e) Give Importance of C language.
 - f) Define – Interpreter and Assembler.

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