

Ex/Comp.Sc/S/II/14/2017

BACHELOR OF SCIENCE EXAMINATION, 2017

(1st Year, 1st Semester)

COMPUTER SCIENCE (Subsidiary)

Unit - 2

Full Marks : 50

Time : Two Hours

The figures in the margin indicate full marks.

Answer any *five* questions.

1. (a) What are the fundamental datatypes in C ? Write the memory space required to store each data types.

(b) Discuss C implicit and explicit type conversions with proper examples. 5+5
2. (a) What are the decision control statements available in C ? Write the structure of if statement. Discuss the function of if statement with proper example.

(b) Write a program to find the largest number among the three numbers using nested if statement. 5+5
3. How many loop structure statements available in C. Discuss the different loop structure statements and write how they

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works ? Discuss the break and continue statements with proper examples. 10

4. What is an array ? Why use of array is important ? Write a program to sort an array of 10 integers. 10

5. Define C function. Write a program to add two matrices using functions with proper main function. 10

6. What is recursive function ? How it differ from a ordinary a function ? Write a C program to generate 10th Fibonacci numbers using recursive function. 10

7. What is storage class ? Why it is important in C programming ? Write the different storage classes and their function with example. 10
