(c) Write short note on register.

(d) Write short note of Firewall.

Unit–III

3. Answer **any** *one* question :   10×1=10

(a) Draw a block diagram of a computer. Explain the functions of the blocks.

(b) Write short notes on :

  (i) Bluetooth

  (ii) Cloud Computing

  (iii) Mobile Computing

  (iv) Big Data

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TB—99

B.Sc. 1st Semester (Honours) Examination-2022-23

COMPUTER   SCIENCE

Course ID : 11514   Course   Code   :   SH/CSC/103/GE-1

Course Title : Introduction to programming (New)

Time : 1 Hour 15 Minutes   *Full Marks :* 25

The figures in the right hand margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable

Unit–I

1. Answer **any** *five* questions :   1×5=5

  (a) What is computer?

  (b) What do we use secondary memory?

  (c) What is flowchart?

  (d) What do you mean by decision table?

  (e) Write four built in data types in C.

  (f) What do you mean by scope of a variable?

(g) Which function we use to get input from the user? Write the syntax.

(h) What is an array in C?

Unit–II

2. Answer **any** *two* questions :   5×2=10

(a) Describe the different units of a computer.

(b) What is flowchart? Draw a flowchart of the program to check whether a number is even or odd.

(c) Differentiate between while and do-while loop in "C".

(d) What is recurrence function? Give an example.

Unit–III

3. Answer **any** *one* question :   10×1=10

(a) Write the algorithm or program to check whether a numbers in prime or not.

(b) Write the differences of the following : $4 \times 2\frac{1}{2}$

(i) Unary operator and binary operator.

(ii) Call by value and call by reference.

(iii) Array and Structure.

(iv) Malloc() and Calloc().

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Course Title : Computer Fundamentals (Old)

Unit–I

1. Answer **any** *five* questions :   1×5=5

(a) Write the five uses of computer.

(b) What is primary memory?

(c) Write the full form of RAM, ROM, CU And ALU.

(d) Convert the decimal no $(78)_{10}$ into a binary number.

(e) What is software?

(f) What is LAN?

(g) What is web browser?

(h) What do you mean by data mining?

Unit–II

2. Answer **any** *two* questions :   5×2=10

(a) What are the differences between primary memory and secondary memory?

(b) What are the different types of software?