



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2022 Admission
II Semester Final Examination – September 2023

Beas.1205

Information Technology & Computer Programming (1+2)

Marks: 50
Time: 2 hours

I Fill in the blanks (10x1=10)

1. Fastest speed in the computer memory hierarchy is
2.are computers that exhibit features of analog computers and digital computers.
3. is used as string termination character.
4.storage class in C retains its value between multiple function calls.
5. The binary equivalent of the decimal number 18 is
6. The mathematical symbol used for decision making in flowchart is
7.is a variable which holds the address of another variable in memory.

Define the following

8. DNA based computer
9. Arrays in C
10. Keywords in C

II Write short notes on ANY FIVE of the following (5x2=10)

1. Discuss various functions of an operating system.
2. How break and continue statements in C differ?
3. Write the significance of C preprocessor.
4. Write an example for structures in C.
5. What are the various data types in C?
6. Differentiate between compiler and interpreter.
7. What are the rules while naming an identifier?

III Answer ANY FIVE of the following (5x4=20)

1. Differentiate between ASCII and Unicode.
2. Draw a flowchart to find the sum of first n natural numbers.
3. Explain the different type castings in C.
4. Write the syntax and an example for switch statement.
5. Explain the passing of arguments by address using pointers in C with an example.
6. Write a program for adding two matrices using two dimensional arrays.
7. Convert the hexadecimal number AF2.5 into binary, decimal and octal form.

IV Write an essay on ANY ONE of the following (1x10=10)

1. Write a program for implementing Binary search. Explain working of binary search algorithm.
2. Explain the different looping statements in C with examples.
