



KERALA AGRICULTURAL UNIVERSITY
B. Tech. (Agrl. Engg.) 2021 Admission
VI Semester Final Examination – June 2024

Sacs.3214

Computer Programming and Data Structures (1+2)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. C programming language was invented by
2. LIFO stands for
3. The operation of inserting an element to a stack is called

Answer the following

4. What are global variables?
5. Define token.
6. Name any two branching statements in C.
7. What is the use of goto statement?
8. Define queue.
9. Name any two linear data structure.
10. Which symbol is used to declare a pointer?

II Write short on ANY FIVE of the following

(5x2=10)

1. Write the structure of C program.
2. List the relational operators in C.
3. What is an identifier?
4. Name the four dynamic memory allocation functions in C.
5. What is the use of continue statement?
6. Write the difference between structure and union.
7. What is a user defined function?

III Answer ANY FIVE of the following

(5x4=20)

1. Write a C program to add the first 50 even numbers.
2. Explain the primary data types used in C.
3. Write notes on different storage classes.
4. Write a program to illustrate pointers.
5. Describe what is meant by scope and visibility of variables.
6. Write a C program to insert five elements to a stack.
7. What are the various applications of linked lists?

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain the decision making statements in C with proper examples.
2. Discuss different operations carried out on linked lists.
