

# **ALAGAPPA UNIVERSITY**

[Accredited with 'A+' Grade by NAAC (CGPA:3.64) in the Third Cycle and Graded as  
Category-I University by MHRD-UGC]  
(A State University Established by the Government of Tamil Nadu)

**Karaikudi. 630003.**

**Directorate of Distance Education**

**CONTINUOUS INTERNAL ASSESMENT ( CIA )**

**ASSIGNMENT QUESTIONS**



**PROGRAMME CODE : 222**

**CERTIFICATE PROGRAMME  
IN  
C PROGRAMMING**

**(2021 - 2022)**



**ALAGAPPA UNIVERSITY, KARAIKUDI**  
**DIRECTORATE OF DISTANCE EDUCATION**  
**CONTINUOUS INTERNAL ASSESSMENT (CIA)**  
**ASSIGNMENT QUESTIONS**  
**(2020-2021 Academic Year Onwards)**



<b>Programme code</b>	<b>Programme Name</b>
222	Certificate Programme in C Programming

**Instructions**

- *Assignments should be written in the candidate's own handwriting in the A4 sheets on only one side of the paper.*
- *Combine four course assignments into single spiral binding for submission.*
- *Maximum. Marks. 25 for each Course (Theory and Practical).*
- *Model Practical Test will be conducted during PCP schedule for Practical courses every semester.*

The list of topics for assignment for each course is furnished below:

<b>Course code: 22211</b>	<b>Principles of Programming</b>
<ol style="list-style-type: none"> <li>1. Explain about the basic anatomy of computers.</li> <li>2. Discuss about generation of computers.</li> <li>3. Write short note on : Application software.</li> <li>4. Explain about software development life cycle.</li> </ol>	

<b>Course code: 22212</b>	<b>Programming in C</b>
<ol style="list-style-type: none"> <li>1. What are the operators in C language?</li> <li>2. Explain about 'if' 'then' structure in C with examples.</li> <li>3. What is pointer? What are its operators?</li> <li>4. Write short note on : Structure and union.</li> </ol>	

<b>Course code: 22213</b>	<b>Data structure and Algorithms</b>
<ol style="list-style-type: none"> <li>1. Define: Data Structure. What are its types?</li> <li>2. Briefly explain about searching of elements using Linear Search Technique</li> <li>3. Explain about soring of numbers using Bubble sort algorithm.</li> <li>4. Discuss in detail about implementation of queue with example.</li> </ol>	

<b>Course code: 22214</b>	<b>C and Data structure Lab</b>
<p><b>Write Aim, Algorithm, Source code, Input and Output;</b></p> <ol style="list-style-type: none"> <li>1. Write a C program to check given string is palindrome or not?</li> <li>2. Write a C program to implement the operations of stack.</li> <li>3. Write a C program to sort N given numbers using Bubble sort.</li> </ol>	

\*\*\*\*\*