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

CONTINOUS INTERNAL ASSESMENT (CIA)

ASSIGNMENT QUESTIONS

PROGRAMME CODE : 222

CERTIFICATE PROGRAMME
IN
C PROGRAMMNG

(2020 - 2021)

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

Programme code	Programme Name
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 <u>during PCP schedule</u> for Practical courses every semester.*

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

Course code: 22211	Principles of Programming
1. Explain about the basic anatomy of computers.	
2. Discuss about generation of computers.	
3. Write short note on : Application software.	
4. Explain about software development life cycle.	

Course code: 22212	Programming in C
1.What are the operators in C language?	
2. Explain about 'if' 'then' structure in C with examples.	
3. What is pointer? What are its operators?	
4. Write short note on : Structure and union.	

Course code: 22213	Data structure and Algorithms
1. Define: Data Structure. What are its types?	
2. Briefly explain about searching of elements using Linear Search Technique	
3. Explain about soring of numbers using Bubble sort algorithm.	
4. Discuss in detail about implementation of queue with example.	

Course code: 22214	C and Data structure Lab
Write Aim, Algorithm, Source code, Input and Output;	
1. Write a C program to check given string is palindrome or not?	
2. Write a C program to implement the operations of stack.	
3. Write a C program to sort N given numbers using Bubble sort.	

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