

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 : 517

**DIPLOMA
IN
COMPUTER APPLICATIONS**

(2021 - 2022)



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



Programme code	Programme Name	Semester
517	Diploma in Computer Applications	I

Instructions

- *Assignments should be written in the candidate's own handwriting in the A4 white sheets on only one side of the paper.*
- *Combine four assignment subjects (Theory and Practical) 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:

Course code: 51711	PRINCIPLES OF INFORMATION TECHNOLOGY
	<ol style="list-style-type: none"> 1. Explain about the basic anatomy of computer. 2. Discuss in detail about various network topologies (Bus, Star, Ring and Hybrid). 3. Briefly explain about memory and its types.

Course code: 51712	OPEN SOURCE SOFTWARE
	<ol style="list-style-type: none"> 1. What are the advantages of open-source software. 2. Explain about arrays in PHP with example. 3. Write short note on Strings in SQL.

Course code: 51713	OFFICE AUTOMATION
	<ol style="list-style-type: none"> 1. How will you include header and footer in MS word? Give example. 2. Explain about formula and functions in MS-Excel. 3. Briefly explain about creating tables in MS-Access. 4. What are the advantages of Power Point?

Course code: 51714	OFFICE AUTOMATION LAB
	<p>Ms-Word Design a procedure to Prepare your resume with your photograph inserted. Use Table, bullets and different color features.</p> <p>Ms-Excel Design a procedure to Create Internal Marks assessment worksheet with the following columns: REGNO, NAME, SEX, TEST1, TEST2, TEST3, TEST AVERAGE</p> <ol style="list-style-type: none"> i) Add data for 20 students (Test marks are out of 30) ii) Compute TEST AVERAGE as average mark out of three tests. <p>MS-Access Instructions: Write steps to Open a New database and create the following table;</p> <ol style="list-style-type: none"> 1) Create employee table with the fields EMPNO, NAME, AGE, SEX, STREET, CITY, PIN, SALARY. <ol style="list-style-type: none"> 1. Add data for 20 employees 2. Write a query to display all the male employees whose salary is between 1000 and 5000 and living in city "CHENNAI". 3. Write a query to display all the female employees whose ages are in the range 50-60 4. Show all the records in the table for the city "TRICHY" by filtering.



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Programme code	Programme Name	Semester
517	Diploma in Computer Applications	II

Instructions

- *Assignments should be written in the candidate's own handwriting in the A4 white sheets on **only one side of the paper.***
- *Combine four course assignments (Theory and Practical) into single spiral binding for submission.*
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- *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:\

Course code: 51721	DIGITAL LOGIC FUNDAMENTALS
<ol style="list-style-type: none"> 1. Discuss the fundamentals concepts and laws of Boolean Algebra. 2. Draw the logic diagram of Half adder. 3. Discuss about Sum of Products (SOP) and Products of Sum (POS). 	

Course code: 51722	PROGRAMMING IN C
<ol style="list-style-type: none"> 1. What are the data types in C language? 2. Explain about looping control statements in C. 3. What is pointer? What are its operators? 4. Write short note on : Structure and union. 	

Course code: 51723	DATA STRUCTURES AND ALGORITHMS
<ol style="list-style-type: none"> 1. Define: Data Structure. What are its types? 2. Briefly explain about searching of elements using Binary Search Technique 3. Explain about soring of numbers using Bubble sort algorithm. 4. Discuss in detail about implementation of stack with example. 	

Course code: 51724	C AND DATA STRUCUTRE LAB
Write Aim, Algorithm, Source code, Input and Output; <ol style="list-style-type: none"> 1. Write a C program to check given string is palindrome or not? 2. Write a C program to implement the operations of queue. 3. Write a C program to sort N given numbers using Bubble sort. 	
