

DIRECTORATE OF DISTANCE EDUCATION
ALAGAPPA UNIVERSITY, KARAIKUDI
INTERNAL ASSESSMENT
(Academic Year 2018-19 On wards)

Programme Code	341
Programme Name	M. Sc Computer Science

I SEMESTER

ASSIGNMENT/PRACTICAL QUESTIONS

Paper Code : 34111	Maximum Marks: 25
Paper Title : Design and Analysis of Algorithms	
<ol style="list-style-type: none"> 1. List the different evaluation criterion used in evaluating the efficiency of an algorithm? 2. Write a short note on Big-oh notation. 3. Write a short note on Strassens matrix multiplication. 4. Explain about Dijkstra's algorithm. 5. Describe in detail Travelling Salesman problem. 	

Paper Code : 34112	Maximum Marks: 25
Paper Title : Applied Mathematics for Computer Science	
<ol style="list-style-type: none"> 1. What is a truth table? How is a truth table constructed? 2. Write a detailed note on quantifiers. 3. Distinguish between the canonical and standard forms of LPP. 4. Write in detail about Job sequence problem. 5. Explain the process of converting an unbalanced transportation problem into a balanced one. 	

Paper Code : 34113	Maximum Marks: 25
Paper Title : Advanced Java Programming	
<ol style="list-style-type: none"> 1. Why do you need sockets in networking? 2. What are the classes defined in java. Beans package? Explain. 3. Difference between Socket and RMI programming. 4. Discuss the Session management using Servlets. 5. What do you understand by the Servlet life cycle? How does a container manage s Servlet? 	

Paper Code : 34114	Maximum Marks: 25
Paper Title : LAB – Advanced Java Programming	
<ol style="list-style-type: none"> 1. Write a Java program to multiply two matrices. 2. Write a program using TCP/IP client sockets and TCP/IP server sockets. 3. Write a Java program that prints a message by clicking on the button using AWT Events and Applets. 4. Write a program to illustrate the use of JDBC connection. 5. Write a Java program to demonstrate an application involving GUI with controls menus and event handling. 	