PRAHLADRAI DALMIA LIONS COLLEGE OF COMMERCE & ECONOMICS

ISO 9001: 2015 Certified

NOTICE

B.Sc.(I.T.)

ATKT Internal/Practical Examination September 2021

Semester II and IV 2021

INSTRUCTIONS FOR THE STUDENTS HAVING ATKT IN INTERNALS/PRACTICALS

1. **Date of Submission of the Projects- 07 September 2021, by 12 Noon.**
2. Project/ assignment has to be handwritten on A4 size paper or Foolscap paper. On top of every page a student should write his name, Seat No. and Subject.
3. Practical submission must be handwritten with proper output drawn / screenshot.
4. Students are expected to write the question followed by the answer.
5. **Student has to scan the ATKT fee payment receipt as well as all the pages of his project answer sheets and upload the same on the following google form link.** **https://forms.gle/1KL1RT6y6ckVBrCy7**
6. On 8-September-21 there will be a viva voce on the given questions, link will be posted in whatsapp group. If the student fails to submit the project on or before the given date and time he will be marked **ABSENT for the said subject.**
7. **Any submission after the above mentioned date and time will not be accepted and entertained under any circumstance.**
8. **Those students who had FILLED THE FORM & PAID THE FEES and still have NOT been allocated questions in the following list, please send a mail along with attachment of fee receipt to bscit.pdlc@gmail.com on or before 12.00 noon, 31st August, 2021 (Tuesday).**

Prof. Rupali Mishra	Prof. Durgesh Kenkre	Prof. Subhashini N.	Dr. Kiran Name
Co-ordinator	Exam Convener	Vice Principal SFC	I/C Principal

28th August 2021

DI/N-STD/GEN/00

Semester II

Subject :Object Oriented Programming (Internal)

Roll No	Name of the Student
128	SHAIKH IBRAHIM MD ALLAHUDDIN 1) Explain Characteristics of OOPS. 2) Define Class. How is the class created? Explain. 3) What is Operator Overloading? Explain 4) Compare Object Oriented Programming with Procedure Oriented Programming.
154	SAHANI RAKESH RAMLAVAT 1) Explain Object, Inheritance, Polymorphism and message passing in OOPs. 2) What are the different types of Inheritance? Explain . 3) What is method overloading? Give example 4) Define Abstract class. Give one example program to explain the concept.

Subject :Object Oriented Programming (Practical)

Roll No	Name of the Student
128	SHAIKH IBRAHIM MD ALLAHUDDIN 1) Write a program to arrange 10 numbers in ascending and descending order 2) Write a program to perform the Matrix addition, Multiplication and Transpose Operation.
143	SHAIKH MOHD FARDIN AZIMUDDIN 1) Write a program to find the factorial of a number. 2) Write a program program to search a number in a given array.

Subject : Green Computing (Internal)

Roll No	Name of the Student
128	SHAIKH IBRAHIM MD ALLAHUDDIN 1) Write a short note on going paperless. 2) Explain electronic data Interchange. 3) What are the different methods of staying green? Explain. 4) Write a note on changing the way of work to save the environment.

Subject : Green Computing (Practical)

Roll No	Name of the Student
128	SHAIKH IBRAHIM MD ALLAHUDDIN 1) Make a word document on different ways of recycling. 2) Write a detailed report on Electronic waste in India
143	SHAIKH MOHD FARDIN AZIMUDDIN 1) Create a word document on the topic “Survey on Green IT through Google form” 2) Write a detailed report on going paperless.
154	SAHANI RAKESH RAMLAVAT 1) Create a word document on the topic “Minimizing power usages” 2) Write a detailed report on “Changing the way of work” with green in mind.

Subject : Numerical and Statistical Methods (Internal)

Roll No	Name of the Student
128	SHAIKH IBRAHIM MD ALLAHUDDIN 1) What are the different types of errors? Explain. 2) Explain Taylor series in detail. 3) Explain The Newton-Raphson Method with an example. 4) Explain Runge-Kutta Method for 1st and 2nd Order Differential Equations.
154	SAHANI RAKESH RAMLAVAT 1) Write a short note on Linear optimization problems 2) What are Discrete and Continuous random variables? Explain. 3) Explain Binomial Distribution with an example. 4) Write a detailed note on mathematical modeling.

Subject :Numerical & Statistical Methods (Practical)

Roll No	Name of the Student : SHAIKH MOHD FARDIN AZIMUDDIN
143	1. Program to solve algebraic and transcendental equation by Newton Raphson method. 2. Program for Lagrange's interpolation.

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
128	1. Program for solving linear systems of equations using Gauss Jordan method. 2. Program to solve differential equation using Euler's method

Subject :Microprocessor Architecture (Internal)

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
128	1. Write short note on Microprocessor instruction Set 2. Explain Microprocessor Architecture and its operations, Memory 3. Write short note on 8085 Microprocessor Architecture 4.Explain Basic Interfacing concepts

Roll No	Name of the Student :GUPTA ROHIT RAJESH
107	1. Explain 8085 assembly language programming 2. Write short note on 8085 instructions 3. Explain the concept of Counters and Time Delays 4. Explain Advanced Subroutine concepts

Subject :Microprocessor Architecture (Practical)

Roll No	Name of the Student : SHAIKH MOHD FARDIN AZIMUDDIN
143	1. Add the contents of memory locations 40001H and 4001H and place the result in the memory locations 4002Hand 4003H. 2. Find the I's complement of the number stored at memory location 4400H and store the complemented number at memory location 4300H.

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
128	1. Pack the two unpacked BCD numbers stored in memory locations 4200H and 4201H and store result in memory location 4300H. Assume the least significant digit is stored at 4200H. 2. Write a program to shift an eight bit data four bits right. Assume that data is in register C.

Subject :Web Programming (Practical)

Note : Write the answer with Aim, Code, and Output screenshot.

Roll No	Name of the Student : SHAIKH MOHD FARDIN AZIMUDDIN
143	1. Design a web page using different text formatting tags. 2. Design a web page with Imagemaps. 3. Using JavaScript design, a web page that prints factorial/Fibonacci series/any given series.

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
128	1. Design a form and validate all the controls placed on the form using Java Script. 2. Write a JavaScript program to accept a number from the user and display the sum of its digits. 3. Design a web page demonstrating different conditional statements.

Roll No	Name of the Student : SAHANI RAKESH RAMLAVAT
154	1. Write a PHP Program to accept a number from the user and print it factorial. 2. Write a PHP program to accept a number from the user and print whether it is prime or not. 3. Write a PHP code to find the greater of 2 numbers. Accept the no. from the user.

Semester IV

Subject : Software Engineering (Internal)

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. What are the steps involved in requirements engineering processes 2. Explain in detail the risk management. 3. Explain Unified Modelling Language 4. Explain agile methods with an example. 5. Write short note on black box testing

Subject : Software Engineering (Practical)

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. Explain a data flow diagram with an example. (Write Definition, symbols used and 1 example) 2. Explain ATM machine example with respect to State transition machine (Write Definition, symbols used and 1 example)

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
228	1. Explain use-case model with an example (Write Definition, symbols used and 1 example) 2. Explain Activity Diagram with an example. (Write Definition, symbols used and 1 example)

Roll No	Name of the Student : SADHU GHANSHYAM VISHUPRASAD
225	1. Explain sequence diagrams with an example. (Write Definition, symbols used and 1 example) 2. Explain Class Diagram with an example. (Write Definition, symbols used and 1 example)

Subject : Core Java (Practical)

Note : Write answer with Definition of the concept, Code and output in screenshot

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. Write a program to arrange the numbers in ascending order using array 2. Write a program to find the factorial of a number using recursion

Roll No	Name of the Student : SHAIKH IBRAHIM MD ALLAHUDDIN
228	1. Write a program to search a number from a given set of 10 numbers using array 2. Accept a number from user and check whether it is prime or not.

Subject : Embedded System (Practical)

Note : Write answer with Definition of the concept, Code and output in screenshot

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. Configure timer control registers of 8051 and develop a program to generate given time delay. 2. To interface 8 LEDs at Input-output port and create different patterns.

Subject : Computer Oriented Statistical Techniques (Practical)

Note : Write answer with Definition of the concept, Code and output in screenshot

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. Create a Matrix using R and Perform the operations addition, inverse, transpose and multiplication operations. 2. Perform the linear regression using R.

Subject : Computer Graphics & Application (Practical)

Roll No	Name of the Student : DAYAMA PRAMODKUMAR NAVALKISHOR
264	1. Using R execute the basic commands, array, list and frames. 2. Using R import the data from Excel / .CSV file and Perform the above functions. 3. Import the data from Excel / .CSV and perform the hypothetical testing.