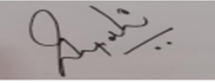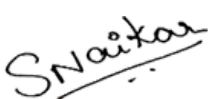## NOTICE

Date: 19/03/2024

B.Sc. (Information Technology)

ATKT Internal/Practical Examination March' 2024
Semester III

INSTRUCTIONS FOR THE STUDENTS HAVING ATKT IN INTERNALS / PRACTICALS

1. The viva voce will be conducted offline.

2. Date of Submission of the Project 2nd April, 2024 at 11.00 A.M. in the computer lab.

3. Students must write their Internal/practical ATKT project in their own handwriting on A4 size foolscap paper. On top of every page a student has to write his/her Complete Name, Program (Dept.), Semester, Roll no.,Class and Contact No.

4. Student has to attach a photocopy of questions allotted to him/her along with his answers.

5. Students have to attach an ATKT fee payment receipt along with his/her project.

6. On the date of submission, there will be a viva voce for which the student has to present himself/herself, failing which he/she will be marked absent.

7. Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.

Note: For any query mail to: bscit@dalmialionscollege.ac.in

Ms. Rupali Mishra	**CA. Durgesh Kenkre**	**Ms. Subhashini Naikar**	**Prof. (Dr.) D. N. Ganjewar**
(Coordinator - BSc IT)	**Exam Convener**	**Vice- Principal, SFC**	**(Principal)**

DI/R-IPS/EXAM/00

NOTICE

Semester III (Internal Exam)

SUBJECT : PYTHON PROGRAMMING

Roll No	QUESTIONS
223	1. Write a note on Conditional Statement in Python 2. Write a python program to accept a number from the user and reverse digits of given numbers. 3. List and explain types of errors in python. 4. Write a python program to check whether a number is prime or not.
244	1. Write a note on Operator Precedence in Python 2. Write a python program to accept number from the user and display the sum of digits of given number 3. List and explain control statements in python 4. Write a python program to demonstrate infinite while loop
252	1. List and explain the different features of Python 2. Explain the use of Brackets, Braces and Parentheses. 3. What is operator? What is operator precedence? List rules for operator precedence in python. 4. Write a python script to display 1st 10 Even and odd numbers separately using control statements.
253	1. What are Boolean functions? Write a program to justify Boolean functions. 2. What is string slicing? Illustrate variations in slicing with examples. 3. Illustrate the difference between remove() and pop() with an example. 4. Are Tuples Mutable? Justify with an example.

SUBJECT : OPERATING SYSTEM

Roll No	QUESTIONS
217	1. List and explain scheduling algorithms. 2. Explain the algorithm used to solve deadlock 3. Illustrate the use of semaphores. 4. Explain a 5 state process diagram with a neat and labeled diagram.

NOTICE

SUBJECT : COMPUTER NETWORKS

Roll No	QUESTIONS
201	1. How can a balance be maintained with Completeness and Clarity as the principles for effective communication? 2. Discuss any three barriers that lead to communication breakdown in an organization 3. 'Gestures are observed actions' – Elaborate. 4. State the advantages and disadvantages of grapevine communication.
260	1. Discuss about different communication styles highlighting low and high context cultures. 2. Discuss the need for using technology in business communication 3. Briefly explain the five major stages involved in writing effective business messages 4. What are the main components of an effective introduction?
232 (OLD)	1. Which format (chronological/functional/combination) of resume is suitable for a fresh graduate and why? 2. Explain any five variables that create barriers for effective listening. 3. As a General Secretary of the Student's Council of your college, submit the report to the Principal on the necessity of opening a fully equipped gymkhana in your college. 4. How can you overcome stage fright during a presentation?

SUBJECT : DATA STRUCTURE

Roll No	QUESTIONS
232 (OLD)	1. Write a short note on Data Structure. 2. Explain Theta Notations with suitable diagram 3. What are the desired characteristics of an algorithm? Explain. 4. How sparse matrix is represented in memory? Explain.

Semester III (Practical Exam)

SUBJECT : DATA STRUCTURE

Roll No	QUESTIONS
232 (OLD)	1. WAP to implement a circular linked list. 2. WAP to implement a bubble sort algorithm.