



PRAHLADRAI DALMIA LIONS COLLEGE
OF COMMERCE & ECONOMICS
ISO 9001 : 2015 Certified

Semester I



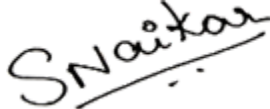

Date: 7th December 2023

B.Sc. (Information Technology)
ATKT Internal Examination Semester I December, 2023

INSTRUCTIONS FOR THE STUDENTS HAVING ATKT IN INTERNALS / PRACTICALS

1. Date of Submission of the Projects-
2. Timings 2PM Reporting time for students: at least 10 minutes before the mentioned time. Venue: Third floor staffroom.
3. Students have to be present in person for the submission.
4. Internal project topics are also uploaded on the college website.
5. Submission of projects or assignments to be done on proper A4 size paper, handwritten by the candidate himself only. The Front page should contain details of Roll no, Name of the student, Semester, Subject.
6. Print out of the questions uploaded should be attached along with the project.
7. Students should also enclose a photocopy of the ATKT fee paid receipt along with each of his projects.
8. On the date of submission there will be a viva voce on the given questions/topics.
9. If the student fails to present himself on the given date and time he will be marked ABSENT for the said subject.
10. Any Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.

NOTE - Students who has paid ATKT fees for internal / practical but has not been allotted questions is requested to contact Ms. Rupali Mishra on or before 9th December, 2023 by mailing on bscit@dalmialionscollege.ac.in

			
<u>Ms. Rupali Mishra</u>	<u>CA. Durgesh Kenkre</u>	<u>Ms. Subhashini Naikar</u>	<u>Prof. (Dr.) D. N. Ganjewar</u>
<u>(Coordinator)</u>	<u>Exam Convener</u>	<u>Vice- Principal, SFC</u>	<u>(Principal)</u>

Principals in c (Practical)

ROLL NO	KUSHWAHA SHIVAM SADANAND
171	<ol style="list-style-type: none">1. Write a program to find the factorial of a number using recursive function.2. Write a program to find the largest value that is stored in the array.

DLA (Internal)

Roll No	KUSHWAHA SHIVAM SADANAND
171	<ol style="list-style-type: none">1. State De-Morgan's theorem and mention its use.2. Express the function $Y = A + BC$ in canonical POS.3. Convert the given decimal numbers to their binary equivalent 108.364, 268.025.4. Why totem pole outputs cannot be connected together?5. Simplify the following Boolean expression into one literal. $W'X(Z'+YZ) + X(W+Y'Z)$.

DLA (Practical)

Roll No	KUSHWAHA SHIVAM SADANAND
171	<ol style="list-style-type: none">1. Study of AND, OR, NOT, XOR, XNOR, NAND and NOR gates2. Implement the given Boolean expressions using a minimum number of gates - Verifying De Morgan's laws.

FDBMS (Practical)

Roll No	KUSHWAHA SHIVAM SADANAND
171	Write an example of View for : a. Creating view b. Dropping view c. Selecting from a view

CLDS(Internal)

Roll No	KUSHWAHA SHIVAM SADANAND
171	<ol style="list-style-type: none">a. A relation R from \mathbf{R} to \mathbf{R} as follows: For all $(x, y) \in \mathbf{R} \times \mathbf{R}$, $x R y \Leftrightarrow y = 2 x$. Draw the graphs of R and R^{-1} in the Cartesian plane. Is R^{-1} a function?b. A relation T on \mathbf{Z} (the set of all integers) is defined as follows: For all integers m and n, $m T n \Leftrightarrow 3 \mid (m - n)$. Is T reflexive? Is T symmetric? Is T transitive? Prove.c. If A is a set, R is an equivalence relation on A, and a and b are elements of A, then either $[a] \cap [b] = \emptyset$ or $[a] = [b]$.d. State and prove the handshake theorem.e. Show that the graph below does not have an Euler circuit.

CLDS(Practical)

Roll No	KUSHWAHA SHIVAM SADANAND
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171	Write the programs using SCILAB (Probability Theory) 1. Multiplication theorem for conditional probability 2. Finite probability spaces
125	MAYEKAR SOHAN SANJAY Write the programs using SCILAB (Counting) 1. Binomial coefficients 2. Combinations

TCS(Internall)

Roll No	KUSHWAHA SHIVAM SADANAND
171	(i) Radio as a Mode of Communication. (ii) Maps and Charts as a Medium of Non Verbal Communication. (iii) The Features of Effective Communication (iv) Significance of Communication in an Organisation (v) Criteria in choosing the Methods of Communication.

TCS(Practical)

Roll No	KUSHWAHA SHIVAM SADANAND
171	Project on the topic "E-Waste Management" (Minimum 5 pages)