



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

NOTICE

**25 April, 2025**

ATKT Internal and Practical Examination  
B.Sc.I.T. (SEMESTER-I)

INSTRUCTIONS FOR THE STUDENTS HAVING ATKT IN INTERNALS

1. Date of Submission of the Assignments- **30th April, 2025**
2. Timings 11:00 AM to 12:00 Noon. Reporting time for students: at least 10 minutes before the mentioned time. Venue: Computer Lab.
3. Students have to be present in person for the submission.
4. Submission of 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.
5. Print out of the questions uploaded should be attached along with the assignment. Students should enclose a photocopy of the ATKT fee paid receipt along with each of his projects.
6. On the date of submission there will be a viva voce on the given questions/topics.
7. If the student fails to present himself on the given date and time he will be marked ABSENT for the said subject.
8. Any Submissions after the above mentioned date and time will not be accepted and entertained under any circumstances.
9. The students having ATKT in external practicals, have to Perform a given Practical Question.

**NOTE** - Student who has paid ATKT fees for internal components but has not been allotted questions or has any query is requested to contact Dr. Rupali Mishra on or before, 26 April, 2025 by mailing on [bscit@dalmialionscollege.ac.in](mailto:bscit@dalmialionscollege.ac.in)

Dr. Rupali Mishra

(Coordinator - BSc.IT)

CA. Durgesh Kenkre

Exam Convener

Ms. Subhashini Naikar

Vice- Principal, SFC

Prof. (Dr.) D. N. Ganjewar

(Principal)

DI/N-STD/GEN/00

## Internals

### Subject : Programming with C

Name Of The Student	Subject Name And Questions
117 KAVANKAR NIRAJ SANJAY	<ol style="list-style-type: none"><li>1. What are the basic data types in C? Explain each with an example.</li><li>2. Explain the use of 'if', 'else if', and 'else' statements with syntax and an example.</li><li>3. What is the difference between while loop and do-while loop in C?</li><li>4. Explain the concept of pointers with a simple example.</li><li>5. Describe the use of functions in C. Write the syntax for declaring and calling a function.</li></ol>
SINGH AMAY ASHISH 140	<ol style="list-style-type: none"><li>1. What are arrays in C? How are they declared and initialized?</li><li>2. What is a structure in C? Give an example of defining and using a structure.</li><li>3. Explain the concept of recursion with a simple example in C.</li><li>4. How is a file opened and closed in C? Give an example.</li><li>5. What is the difference between call by value and call by reference in C?</li></ol>

VISHWAKARMA HARSH RANJEET 148	<p><b>PROGRAMMING PRINCIPLES WITH C (INTERNAL)</b></p> <ol style="list-style-type: none"> <li>1. Explain the structure of a C program and the role of different components such as the compiler, linker, and preprocessor.</li> <li>2. Describe the different types of operators in C with suitable examples.</li> <li>3. Discuss the concept of pointers in C and explain how pointers are used for dynamic memory allocation.</li> <li>4. What is recursion in C? Explain with an example program.</li> <li>5. Explain file handling in C with a brief overview of different file operations.</li> </ol>
MISHRA AMAN RATNESH 126	<ol style="list-style-type: none"> <li>1. Explain the difference between <b>break</b> and <b>continue</b> statements with an example.</li> <li>2. What is a <b>switch</b> statement? Explain its syntax and usage with an example.</li> <li>3. What are storage classes in C? Briefly describe <b>auto</b>, <b>static</b>, <b>register</b>, and <b>extern</b>.</li> <li>4. Explain the concept of dynamic memory allocation in C using <b>malloc()</b> and <b>free()</b>.</li> <li>5. What is the use of the <b>sizeof</b> operator in C? Give an example.</li> </ol>
SHARMA SONU RADHESHYAM 138	<ol style="list-style-type: none"> <li>1. What is a pointer to a function? How is it declared and used?</li> <li>2. What is the difference between <b>==</b> (equal to) and <b>=</b> (assignment) operators in C?</li> <li>3. What are header files in C? How do we create and use a user-defined header file?</li> <li>4. How do you pass an array to a function in C? Give an example.</li> <li>5. What is the difference between <b>getchar()</b> and <b>scanf()</b> for input in C?</li> </ol>

142 SINGH RAJ BRAMHDEV	<ol style="list-style-type: none"> <li>1. What is meant by command line arguments in C? Write a small program to demonstrate.</li> <li>2. Explain the difference between <code>struct</code> and <code>union</code> in C with examples.</li> <li>3. What is the purpose of typecasting in C? Explain with an example.</li> <li>4. What are macros in C? How are they different from functions?</li> <li>5. What are the differences between <code>printf()</code> and <code>puts()</code> in C?</li> </ol>
145 VISHWAKARMA AAKASH VINOD	<ol style="list-style-type: none"> <li>1. What is recursion in C? How does it differ from iteration?</li> <li>2. Explain the concept of nested loops in C with a simple example.</li> <li>3. Describe how strings are handled in C. How is <code>strcmp()</code> used?</li> <li>4. What is a null pointer in C? How is it different from an uninitialized pointer?</li> <li>5. What is the difference between global and local variables in C?</li> </ol>
YADAV PRINCE RAJBAHADUR 156	<ol style="list-style-type: none"> <li>1. How does the <code>fscanf()</code> function work in reading from a file?</li> <li>2. What is the use of <code>typedef</code> in C programming? Give an example.</li> <li>3. How are multidimensional arrays declared and initialized in C?</li> <li>4. What are bitwise operators in C? Give examples of at least two.</li> <li>5. What are enumerated types (<code>enum</code>) in C? How and why are they used?</li> </ol>
LIK HAR ROHAN BHARAT 122	<ol style="list-style-type: none"> <li>1. Explain the difference between <code>++i</code> and <code>i++</code> with an example.</li> <li>2. What are the different storage classes in C? Briefly describe each with an example.</li> <li>3. What is file handling in C? Write a C program to write and read data from a file.</li> <li>4. What is a pointer? Write a program to demonstrate pointer arithmetic.</li> <li>5. Explain the difference between call by value and call by reference in C with an example.</li> </ol>

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CHAUHAN  
PRADEEP  
RAMRATAN

1. Explain the features of the C programming language. Why is it called a middle-level language?
2. What are storage classes in C? Describe the four types with examples.
3. Differentiate between `break`, `continue`, and `goto` statements in C.
4. What is a pointer in C? Explain how it is declared, initialized, and used.
5. Describe the structure and use of a `switch` statement in C with a suitable example.

## Internals

### Subject : Combinational and Sequential Design

CHAVAN SHUBHAM RUPESH 105	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
JAISWAL PRINCE RAMESH 115	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
JAISWAR KRISHNA OMPRAKASH 116	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
KAVANKAR NIRAJ SANJAY 117	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
PANDEY BHUMI ARUN 129	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
PRAJAPATI SATISHKUMAR NANHELAL 132	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
SINGH ANIKET SURYAMANI 141	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
SWAMY DIVYA PALANI 143	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
VISHWAKARM A AAKASH VINOD 145	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
VISHWAKARM A ARUN SHRAVAN 159	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
VISHWAKARM A KRISHNA PURNAMASI 149	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
YADAV PRINCE RAJBAHADUR 156	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>

164 CHAUHAN PRADEEP RAMRATAN	<ul style="list-style-type: none"> <li>Kindly bring your completed journal for viva voce.</li> </ul>
163 BHAGAT CHANDRAPRA KASH DINESH	<ul style="list-style-type: none"> <li>Kindly bring your completed journal for viva voce.</li> </ul>

## Internals

### Subject : Database Management System

BANDRE SAURABH SANTOSH 102	<ol style="list-style-type: none"><li>1. What is a database system? Explain in detail</li><li>2. What is meant by the "view of data" in a database system?</li><li>3. What are the characteristics of single-tier, two-tier, and three-tier architectures?</li><li>4. What are the basic building blocks of data models?</li><li>5. Write a short note on functional dependency</li></ol>
KAVANKAR NIRAJ SANJAY 117	<ol style="list-style-type: none"><li>1. How would you use a JOIN in SQL to retrieve information from two related tables.</li><li>2. What is the First Normal Form (1NF) in database normalization?</li><li>3. What is a subquery in SQL? Explain with an example.</li><li>4. Explain 2NF with the help of an example.</li><li>5. Explain transitive dependency in detail.</li></ol>



## Internal - Practical

### Subject : Office Tools for Data Management

KAVANKAR NIRAJ SANJAY 117	<ul style="list-style-type: none"><li>• Bring your completed journal of Office Tools for Data Management for viva voce</li></ul>
CHAUDHARY ARPITA VIJAYBAHA DUR 104	<ul style="list-style-type: none"><li>• Bring your completed journal of Office Tools for Data Management for viva voce</li></ul>
VISHWAKA RMA ARUN SHRAVAN 159	<ul style="list-style-type: none"><li>• Bring your completed journal of Office Tools for Data Management for viva voce</li></ul>
163 BHAGAT CHANDRAP RAKASH DINESH	<ul style="list-style-type: none"><li>• Bring your completed journal of Office Tools for Data Management for viva voce</li></ul>

## Internals

### Subject : Indian Constitution

KAVAN KAR NIRAJ SANJA Y 117	<ol style="list-style-type: none"><li>1. How do the rights to freedom of speech and expression contribute to democracy?</li><li>2. What is the significance of Article 21 in your country's constitution?</li><li>3. How are the Directive Principles classified, and what are the main categories?</li><li>4. Discuss various fundamental duties enshrined in the Indian constitution.</li><li>5. Functions powers and jurisdiction of High Court</li></ol>
SINGH RAJ BRAMH DEV 142	<ol style="list-style-type: none"><li>1. What is the basic structure doctrine? Explain with the landmark case laws.</li><li>2. What are the main objectives outlined in the preamble of the Indian Constitution?</li><li>3. Explain the essential features of the Indian Constitution.</li><li>4. What is the federal structure of the Indian Constitution, and what are its key characteristics?</li><li>5. What are the key fundamental rights guaranteed by your constitution?</li></ol>

## Internals

### Subject : Managerial Skill Development

VISHWAKARM A ARUN SHRAVAN 159	<ol style="list-style-type: none"><li>1. Define managerial skills. Explain the three essential managerial skills.</li><li>2. Explain the role of time management in enhancing managerial effectiveness. Mention any techniques used.</li><li>3. What is emotional intelligence? Why is it important for a manager to develop emotional intelligence?</li><li>4. Explain the importance of team building in management. What are some effective strategies for building strong teams?</li><li>5. Discuss the role of conflict management in managerial success. Mention techniques for handling workplace conflicts.</li></ol>
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## Internals

### Subject : Communication Skills in English I (BA)

CHAVAN SHUBHAM RUPESH 105	<p>Q.I. Write a short note on the following.</p> <ol style="list-style-type: none"><li>1. Features of Effective Writing Skill</li><li>2. Body Language (Kinesics)</li><li>3. Non verbal Communication - Spatial Language (Proxemics)</li><li>4. Advantages and Disadvantages of Written Communication</li><li>5. Characteristics of effective speech</li></ol>
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## Internals

### Subject : Introduction to Cultural Activities

MISHRA AMAN RATNESH 126	<ol style="list-style-type: none"><li>1. Define cultural activities. How do they contribute to the development of an individual's personality?</li><li>2. Explain the role of cultural activities in promoting national integration. Give relevant examples.</li><li>3. Discuss how cultural activities preserve and promote traditional heritage.</li><li>4. Describe the importance of participating in cultural activities in educational institutions.</li><li>5. How do cultural festivals reflect the diversity of a country like India?</li></ol>
SINGH RAJ BRAMHDEV 142	<ol style="list-style-type: none"><li>1. Differentiate between formal and informal cultural activities with examples.</li><li>2. Explain how music and dance can serve as mediums of cultural expression.</li><li>3. Discuss the impact of cultural activities on the social and emotional well-being of individuals.</li><li>4. How do cultural activities help in building teamwork and leadership skills?</li><li>5. Give examples of cultural clubs in schools or colleges and explain their role in student development.</li></ol>

## **PRACTICAL - Internal**

**Subject : Combinational and Sequential Design**

VISHWAKARMA AMAN KAILASH 160	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>
VISHWAKARMA RITESH PRABHANSH 166	<ul style="list-style-type: none"><li>• Kindly bring your completed journal for viva voce.</li></ul>

## **PRACTICAL - External**

### **Subject : Combinational and Sequential Design**

BHAGAT CHANDRAPRAKASH DINESH 163	<ol style="list-style-type: none"><li>1. Implement AND, OR, NOT, XOR, XNOR using NAND gates.</li><li>2. Implement AND, OR, NOT, XOR, XNOR using NOR gates.</li></ol>
CHAUHAN PRADEEP RAMRATAN 164	<ol style="list-style-type: none"><li>1. Design and implement Half adder and Full adder.</li><li>2. Design and implement BCD adder.</li></ol>
VISHWAKARMA HARSH RANJEET 148	<ol style="list-style-type: none"><li>1. Study of AND, OR, NOT, XOR, XNOR, NAND and NOR a. gates.</li><li>2. Study of IC 7400, 7402, 7404, 7408, 7432, 7486, 74266.</li></ol>

## PRACTICAL - External

### Subject : Office Tools for Data Management

BHAGAT CHANDRAPRAKASH DINESH 163	<ol style="list-style-type: none"><li>1. Import an Access table from an Excel workbook. Create a one-to-many relationship between tables in a database. Create a multiple-table query.</li><li>2. Import external data from the Excel spreadsheet file Bookstore.</li><li>3. Export data from access to various formats.</li></ol>
PANDEY BHUMI ARUN 129	<ol style="list-style-type: none"><li>1. Create and Open a database with multiple tables; Identify the one-to-one relationships within the database and to produce reports based on any two relationships.</li><li>2. Create a table employ with (idno, name, job, age, salary). Insert 10 records. Create a query to display the information of all managers. Create a query to display the names of employs who"s salary is &gt;15000.</li></ol>
VISHWAKARMA ARUN SHRAVAN 159	<ol style="list-style-type: none"><li>1. Add Fields to an Existing Table, Use the Lookup Wizard to Create a Combo Box. Add controls to an existing form to demonstrate inheritance. Add command buttons to a form.</li><li>2. Adding records in the table by using Datasheet View, using a Form and using SQL.</li></ol>
VISHWAKARMA HARSH RANJEET 148	<ol style="list-style-type: none"><li>1. Use the Form Wizard to create a form, Move and size controls within a form.</li><li>2. Use the completed form to enter data into the emp table.</li></ol>



## PRACTICAL - External

### Subject : Practical I (Programing with C & DBMS)

SINGH RAJ BRAMHDEV 142	<p>1. Write a program to find greatest of three numbers using conditional operator. Write algorithm &amp; draw flowchart for the same.</p> <p>2. Perform the following: Creating a Database Viewing all Tables in a Database Creating Tables (With and Without Constraints)</p>
VISHWAKARMA ARUN SHRAVAN 159	<p>1. Write a program to check if the year entered is leap year or not. Write algorithm and draw flowchart for the same.</p> <p>2. Perform the following:</p> <ul style="list-style-type: none"><li>• Viewing all Tables in a Database</li><li>• Creating Tables (With and Without Constraints)</li></ul>
VISHWAKARMA HARSH RANJEET 148	<p>1. Write a program to calculate roots of a quadratic equation.</p> <p>2. Perform the following: Inserting/Updating/Deleting Records in a Table.</p>