

**Department of Accounting**  
**Faculty of Commerce and Management Studies**  
**Jai Narain Vyas University, Jodhpur**

In accordance with the academic calendar for the session 2023 - 2024, and pursuant to the deliberations of the academic committee, we hereby issue the following order pertaining to the evaluation scheme for B.Com. (Accounting and Fintech) Semester 1 students:

**Subjects Evaluation (DCC and GEC) (100 Marks Each):**

**1. Written Paper (70 Marks):**

- Seventy marks will be allocated to the written paper for each subject. This component of the assessment will gauge students' understanding of the subject matter through traditional written examinations.

**2. Internal Marking Scheme (30 Marks):**

- The remaining 30 marks will be determined through an internal marking scheme, comprising various components:

**a. Attendance (5 Marks):**

- Attendance will be a crucial factor in the internal marking scheme. Marks will be awarded as follows:
  - Below 75% attendance (0 Marks): You earn no marks if your attendance is less than 75%.
  - 75-80% attendance (1 Mark): Attending 75% to 80% of classes will give you 1 mark.
  - 80-85% attendance (2 Marks): If your attendance is 80% to 85%, you receive 2 marks.
  - 85-90% attendance (3 Marks): Attending 85% to 90% of classes earns you 3 marks.
  - 90-95% attendance (4 Marks): An attendance rate of 90% to 95% will grant you 4 marks.
  - 95-100% attendance (5 Marks): The highest mark of 5 is awarded for attending 95% to 100% of classes.

Meeting the minimum 75% attendance threshold is essential to earn any attendance marks, with higher attendance percentages corresponding to higher marks.

**b. Weekly Assessment Tests (10 Marks):**

- Weekly assessment tests will be conducted every Monday throughout the semester, with necessary adjustments for holidays. These tests will contribute to the internal assessment of students' performance.

### c. Separate Subject "Python and SQL for Accounting and Fintech - I" (15 Marks):

- This subject will play a pivotal role in the internal marking scheme and will contribute 15 marks towards students' overall assessment.

### Syllabus for "Python and SQL for Accounting and Fintech - I":

#### Unit 1: Foundations of Programming and SQL Basics

**1. Introduction to Programming Concepts:** Overview of programming languages and their importance in accounting and fintech, Role of Python in data analysis, automation, and fintech applications

**2. Getting Started with Python:** Installing Python and setting up the development environment, Basic syntax rules, variables, data types, and type conversion, Operators and expressions in Python

**3. Introduction to SQL:** Understanding the role of databases in fintech, Overview of SQL (Structured Query Language) and its importance, Basics of relational databases, tables, and data rows

**4. Retrieving Data with SQL:** SELECT statement for querying data, Filtering data using WHERE clause, Sorting results with ORDER BY, Using aggregate functions like COUNT, SUM, AVG, Grouping data with GROUP BY clause

#### Unit 2: Intermediate Python Programming

**1. Control Structures and Functions:** Conditional statements: if, else, elif, Looping structures: for and while loops, Writing and using functions in Python

**2. Lists, Tuples, and Dictionaries:** Working with lists and list comprehensions, Understanding tuples and their immutability, Dictionary data structure and its applications

**3. File Handling and Exception Handling:** Reading from and writing to files, Handling exceptions using try-except blocks, Working with file paths and directories

**4. Introduction to Libraries for Data Analysis:** Introduction to Pandas library for data manipulation, Data structures in Pandas: Series and Data Frame, Basic data analysis tasks using Pandas.

#### Unit 3: Intermediate SQL and Database Management

**1. Advanced SQL Queries:** Joining multiple tables using INNER JOIN, LEFT JOIN, RIGHT JOIN, and FULL JOIN, Subqueries and their applications, Combining data with UNION and UNION ALL

**2. Modifying and Updating Data:** Inserting data into tables using INSERT statement, Updating existing data using UPDATE statement, Deleting data using DELETE statement

#### Assessment Scheme

This specialized subject will account for a significant portion of the internal marking scheme, with 35 marks designated for practical assessments and 25 marks for the written paper. Out of these 60 Marks, Marks earned will be apportioned in 3 DCC and 1 Chosen GEC Subject.

This order is effective immediately and must be adhered to by all students and faculty members. The evaluation scheme outlined herein is designed to facilitate a fair and comprehensive assessment of students' knowledge and skills in their respective subjects.