GOVT. POST GRADUATE NEHRU COLLEGE, JHAJJAR
Department of BBA (2026-2027)

Lesson Plan 2026-2027(Odd Sem)

Class - ***BBA*** ***Semester -Vth***

Name of Teacher… **Pradeep Jangra**

Subject/Paper- E-Business Course Code: 26IMS405MV01

Month	Subject Matter/ Syllabus
August	Introduction to E-Business: Basics of E-Business- history of internet, evolution of e-business, traditional business vs. e- business, organizational culture for e-business; e-business framework - from markets to communities, components of an e-nabled sell site, commerce platforms, e-nabled customer service, e-procurement; e-business development- e-business strategy (planning to action); e-business design
September	E-Business Operations: e-marketplaces; e-procurement; supply chain management and e-business; enterprise resource planning; knowledge management and e-business
October	E-Business technologies and Trends: e-business infrastructure; e-business technologies; e-banking; e-governance; mobile business
November	Issues and Challenges in E-Business: E-business applications; e-security; cyber crimes and cyber laws; computer fraud and abuse act; software piracy; computer viruses and harmful software; challenges in e-business; future of e business
December	Revision

Signature

HOD

GOVT. POST GRADUATE NEHRU COLLEGE, JHAJJAR

Department of BBA (2026-2027)

Lesson Plan 2026-2027(Odd Sem)

Class - ***BBA*** ***Semester -IIIrd***

Name of Teacher… **Pradeep Jangra**

Subject/Paper- Management Information System Course Code: 26IMSX03SE01

Month	Subject Matter/ Syllabus
August	Fundamentals Concepts of MIS Basics concepts of MIS/ Types of MIS, Dimension and components of IS, Benefits of MIS, IT infrastructure, and IT infrastructure evolution, Components of IT infrastructure, New approaches for system building in the digital firm era
September	Data Base Management System Objectives of data base approach- Characters of database Management systems- Data processing system- Components of DBMS packages- Data base administration- Entity-Relationship (conceptual)
October	Information System Applications MIS applications, DSS- GDSS- DSS applications in E enterprise- Knowledge Management System and Knowledge Based Expert System- Enterprise Model System and E-Business, E- Commerce, E- communication, Business Process Reengineering.
November	Managing Projects Objectives of project management, Fundamentals of project management information systems with agile methodologies- Introduction of SCRUM, Roles and meetings, User stories, Project risk, Controlling risk factors, Ethical, social, and political issues in the information era.
December	Revision

Signature

HOD

GOVT. POST GRADUATE NEHRU COLLEGE, JHAJJAR
Department of Computer (2026-2027)

Lesson Plan 2026-2027(Odd Sem)

Class – ***B.Sc*** ***Semester -5th***

Name of Teacher… **Pradeep Jangra**

Subject/Paper- Database Design and MySQL Course Code 26CSC405MV01

Month	Subject Matter/ Syllabus
August	Database Fundamentals: Definition, purpose, and types of databases (flat-file vs. relational). Components of a DBMS:Storage engine, query processor, transaction manager. Applications of databases in industries (e.g., healthcare, e-commerce etc). Relational Model Basics: Tables, rows, columns, keys (primary, foreign, candidate). Integrity constraints:Entity, referential, domain. Introduction to MySQL: Overview of MySQL as an RDBMS. MySQL architecture and installation.
September	Entity-Relationship (ER) Modelling: Entities, attributes, relationships (1:1, 1:N , M:N). ER diagram notation (Chen/UML) and case studies. Relational Schema Design: Converting ER diagrams to relational tables. Normalization: Functional dependencies, anomalies (insertion, deletion, update). 1NF, 2NF, 3NF, and BCNF with practical examples.
October	Structured Query Language (SQL): DDL: CREATE, ALTER, DROP tables. DML: INSERT, UPDATE, DELETE. DQL: SELECT with clauses (WHERE, GROUP BY, JOIN, subqueries). Advanced SQL in MySQL: Built-in functions (string, numeric, date/time). Views, indexes, and stored procedures.Transactions and Concurrency: ACID properties, COMMIT, ROLLBACK, isolation levels.
November	Database Optimization: Query optimization using EXPLAIN, indexing strategies. Normalization vs. denormalization tradeoffs.Security and Backup: User management, roles, and privileges in MySQL. Data encryption, backups (mysqldump), and recovery. Integration and Scalability: Connecting MySQL with applications. Introduction to cloud databases (e.g., AWS RDS, MySQL on Azure etc).
December	Revision

Signature

HOD