# B.Sc.(Information Technology)

## S.Y.B.Sc.(I.T.) Semester III PCT Examination August - 2021

| SR. NO. | NAME OF THE FACULTY | SEMESTER | SUBJECT | UNITS COVERED | TOPICS COVERED |
|---|---|---|---|---|---|
| 1 | SANJANA KHEMKA | III | DATA STRUCTURE | UNIT 1 & 3 | Chapter 1: Introduction: Data and Information, Data Structure, Algorithm<br>Chapter 2: Array and Sparse Matrix<br>Chapter 3: Stack- Introduction, operations and Applications<br>Chapter 4: Queue- Introduction, operations, types and Applications |
| 2 | RUPALI MISHRA | III | DATABASE MANAGEMENT SYSTEMS | UNIT 1 & 3 | Introduction to Databases and Transactions, Data models, database design, er model , Constraints, views , sql |
| 3 | ADITI SAVE | III | PYTHON PROGRAMMING | UNIT 1 & 2 | Chapter 1: Introdiction<br>Chapter 2 : Variables and Expressions<br>Chapter 3 : Conditional , Looping & Control Statements<br>Chapter 4 : Functions<br>Chapter 5 : Strings |
| 4 | NIKHIL SHINDE | III | COMPUTER NETWORKS | Unit 1 & 2 | Chapter 1 : Introduction and Network Models<br>Chapter 2 : Physical Layer<br>Chapter 3 : Digital and Analog Transmission<br>Chapter 4 : Multiplexing<br>Chapter 5: Transmission Media |
| 5 | AMIT LIMBASIA | III | APPLIED MATHEMATICS | Unit 1 & 2 | Ch 1:-Matrices, Complex Number Ch2:- Ordinary Differential Equation,  Differential equation with constant,  Coefficient |
| 1 | SANJANA KHEMKA | V | ENTERPRISE JAVA | UNIT 1 & 2 | Chapter 1: Understanding Java EE, Archtecture, Servlet and Database<br>Chapter 2: Request Dispatcher, Cookies, Session, Working with file, Non Blocking I/O |
| 2 | RUPALI MISHRA | V | ADVANCED WEB PROGRAMMING | UNIT 1 & 2 | Introducing .NET,  The c#language, types, namespaces, web form fundamentals, form controls |
| 3 | ADITI SAVE | V | ARTIFICIAL INTELLIGENCE | UNIT 1 & 2 (Half) | Chapter 1: Introdiction<br>Chapter 2 : Intelligent Agents<br>Chapter 3 : Solving Problems by Searching |

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| 4 | TIRUP PARMAR | V | SOFTWARE PROJECT MANAGEMENT | Unit 1 & Unit 2 (Half) | Ch 1:- Introduction to Software Project Management<br>Ch 2:- Project Evaluation and Programme Management<br>Ch 3:- An Overview of Project Planning<br>Ch 4:- Selection of an Appropriate Project Approach |
| 5 | MUZAFFAR PALSANIA | V | INTERNET OF THINGS | Unit 1 & Unit 2 (Half) | Ch 1: Overview. Ch.2: Design Principles for connected Devices. Ch.4: Internet Principles. Ch. 3: Thinking about Prototyping (half) |