INSTITUTE OF SCIENCE & TECHNOLOGY MANAGEMENT
ASSIGNMENT QUESTIONS FOR EVEN SEM 2025
BBA(HM)-2ND SEM - THEORY
PAPER NAME: MEDICAL TERMINOLOGIES
PAPER CODE: BBA(HM)-201

1. Describe the role of medical terminology in promoting patient-centered care and patient safety.
2. Explain the importance of staying updated with new medical terminology and advancements in healthcare.
3. Describe the role of medical terminology in electronic health records (EHRs) and health information systems.
4. Define the term "medical terminology" and explain its importance in the healthcare industry.
5. Describe the different types of medical terminology, including prefixes, suffixes, and roots.
6. Describe the role of medical terminology in promoting patient-centered care and patient safety.

PAPER NAME: MEDICAL RECORDS I
PAPER CODE: BBA(HM)-202

1. What are the characteristics of Good Medical Record?
2. Write a short on Consent.
3. Write a short note on ALS.
4. What do you know about "Preservation of Medical Record"?
5. What are the duties of a MRO?
6. Write a short note on POMR.
7. Functions of MRD.
8. Write the Importance of MR
9. How to Maintenance the records in the word

PAPER NAME: ORGANIZATION BEHAVIOUR
PAPER CODE: MIM201A

1. Discuss The Foundation Of Organizational Behaviour.
2. Briefly Discuss About Perception.
3. Difference Between Personality And Attitude.
4. Discuss The Advantages And Dis-Advantages Of Group Decision Making.
5. Discuss The Various Factors That Affect Organization.
6. Write A Short Note On Conflict Management

PAPER NAME: PRINCIPLES OF MANAGEMENT & ORGANIZATIONAL BEHAVIOUR
PAPER CODE: GE4B-03

1. Briefly explain the steps involved in Decision making process.
2. Explain the Big Five Model of Personality.
3. Centralization Vs Decentralization.
4. What are the nature and determinants of Organizational Behaviour?
5. Write a note on Abraham Maslow's Need Hierarchy Theory.
6. What are the contributing disciplines to the field of OB?

PAPER NAME: MODERN INDIAN LANGUAGES AND LITERATURE
PAPER CODE: AECC201

1. Why is Audio-visual technology used for the contemporary communication system?
2. What is Gerund and Infinitive? Give proper examples of this two terms.
3. What are the subtle differences between Formal and Informal Letter?
4. What is the substance of the prose "THE HUNGRY STONE", by Rabindranath Tagore.
5. Give a brief account of Descriptive and Reflective writing.

6. Describe briefly about the synthesis of sentences with suitable examples.
7. Write the importance of Debate and Discussion in our education system.
8. What is idioms and proverbs? Discuss with examples using in a sentence.
9. What is Grammar? Why we read and learn grammar-Discuss.
10. Write the inner or internal meaning of the poem "SNAKE", by D.H.Lawrence.

BBA-2ND SEM - THEORY
PAPER NAME: ENVIRONMENT & SUSTAINABLE DEVELOPMENT
PAPER CODE: BBAC0201

1. Write the effects of noise pollution.
2. Write the definition and levels of biodiversity.
3. Write the causes of Ozone layer depletion.
4. Write the greenhouse gases and their Effects On Environment.
5. Write a note on Montreal protocol 1987.
6. Write the definition of renewable energy sources and give its examples.

PAPER NAME: BUSINESS ECONOMICS - MACRO
PAPER CODE: BBACO202

1. Short note on – Blue Economics.
2. Discuss the factors that determine size of national income.
3. Short note on – Indian Money Market.
4. Describe the role of Commercial bank in an Economy.
5. Short note on – IBRD.
6. Discuss the role of Finance Commission of India.

PAPER NAME: MANAGEMENT INFORMATION SYSTEM
PAPER CODE: MIC201

1. Explain Information Systems for finance, marketing, manufacturing, and human resources.
2. Discuss the role of IT in business and society with relevant examples.
3. What are the common threats to Information Systems, and how can they be prevented?
4. What are the different types of networks? Explain with examples.
5. Describe the Waterfall Model of software development along with its advantages and disadvantages.
6. How does MIS provide a competitive advantage to organizations? Discuss with examples.
7. Discuss the types of Information Systems and their roles in business organizations.
8. Explain the role of firewalls, antivirus software, and encryption in information security.

PAPER NAME: PRINCIPLES OF MANAGEMENT & ORGANIZATIONAL BEHAVIOUR
PAPER CODE: GE4B-03

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BCA-2ND SEM - THEORY
PAPER NAME: COMPUTER ARCHITECTURE
PAPER CODE: BCAC-201

1. Explain the concept of number systems used in computers. Discuss the decimal, binary, octal, and hexadecimal systems, providing examples of how they are used in computing.
2. Describe alphanumeric representation in computers. How are characters and symbols represented using ASCII or Unicode? Provide examples.
3. Explain the concept of 9's complement and 10's complement in number systems. How are these used in digital computers for subtraction? Provide examples to illustrate. Discuss briefly about secondary storage devices.
4. Describe the process of performing arithmetic operations (addition and subtraction) in fixed-point representation. What issues, such as overflow, can arise during these operations?
5. Explain the IEEE 754 standard for floating-point representation. Describe how single-precision and double-precision numbers are represented, including the roles of the sign bit, exponent, and mantissa.

PAPER NAME: BASICS OF WEB DESIGN USING HTML, CSS, JAVA SCRIPT
PAPER CODE: BCAC202

1. Explain the concept of JavaScript functions. How do functions help in organizing and reusing code? Provide examples.
2. What is responsive web design? Explain its importance and how CSS techniques like media queries are used to implement responsive designs.
3. Compare and contrast CSS Flexbox and CSS Grid Layout. When would you use each layout system?
4. Explain how to create an HTML form and validate form input using JavaScript. Provide an example of validating an email field and a required text field.
5. Explain the difference between client-side and server-side scripting. Discuss the advantages and disadvantages of each.

PAPER NAME: ORGANIZATION BEHAVIOUR
PAPER CODE: MIM201A

1. Discuss The Foundation Of Organizational Behavior.
2. Briefly Discuss About Perception.
3. Difference Between Personality And Attitude.
4. Discuss The Advantages And Dis-Advantages Of Group Decision Making.
5. Discuss The Various Factors That Affect Organization.
6. Write A Short Note On Conflict Management

PAPER NAME: PRINCIPLES OF MANAGEMENT & ORGANIZATIONAL BEHAVIOUR
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BCA-2ND SEM - PRACTICAL
PAPER NAME: COMPUTER ARCHITECTURE LAB
PAPER CODE: BCAC291

1. Convert the following binary number 1101101 to decimal, octal, and hexadecimal.
2. Convert the decimal number 150 to its binary and hexadecimal equivalents.
3. Given the IEEE 754 representation 11000001010100100000000000000000, decode it into its corresponding decimal value.
4. Perform binary addition of the two signed 2's complement numbers 1101 and 1011. Check for overflow and explain the result.
5. Design a simple micro-operation circuit for a 4-bit binary adder and demonstrate how the operation works when adding 1010 and 0111.
6. Perform an arithmetic shift left operation on the 8-bit binary number 11010101. Show the result after the shift.

PAPER NAME: BASICS OF WEB DESIGN USING HTML, CSS, JAVA SCRIPT LAB
PAPER CODE: BCAC292

1. Write the HTML code to create a simple webpage with a heading, a paragraph, and an image.
2. Create an HTML table with 3 columns: Name, Age, and Grade, and display 3 rows of data.
3. Write the CSS code to center-align a heading and set its text color to red.
4. Write the CSS code to create a simple Flexbox layout with two columns: a content area and a sidebar.
5. Write a JavaScript code to validate if an email entered in a form contains "@" and ".".
6. Write the CSS code to set the width, height, padding, and border for a box, and apply box-sizing: border-box.

MHA-2ND SEM - THEORY
PAPER NAME: HOSPITAL SUPPORT SERVICES
PAPER CODE: MHA 201

1. Explain the role of housekeeping services in maintaining hospital hygiene.
2. Discuss the importance of biomedical waste management in hospitals.
3. How do hospital security services ensure patient and staff safety?
4. Describe the significance of hospital laundry services in infection control.
5. What is the role of dietary services in patient care?
6. Explain the importance of hospital transport services for patients and medical staff.?
7. What is the role of pharmacy services in a hospital setting?

PAPER NAME: MATERIAL MANAGEMENT
PAPER CODE: MHA 202

1. Explain the key functions of material management.
2. Discuss the different types of inventory control techniques used in material management.

3. What are the key objectives of material management in a hospital setting?
4. Explain the concept of Economic Order Quantity (EOQ) in material management.
5. How does Just-in-Time (JIT) inventory management help reduce waste?
6. Describe the role of procurement and purchasing in material management?

PAPER NAME: QUALITY MANAGEMENT
PAPER CODE: MHA(N) 203

1. What is the definition of quality in healthcare, and what are its key dimensions?
2. Explain the concept of Total Quality Management (TQM) in healthcare, and describe its key principles.
3. What is the role of accreditation in ensuring quality in healthcare organizations? Explain the process of accreditation.
4. Describe the Plan-Do-Check-Act (PDCA) cycle, and explain how it can be applied in a healthcare setting to improve quality.
5. What is the difference between quality assurance (QA) and quality control (QC) in healthcare? Provide examples of each.
6. What are the key accreditation standards for hospitals in India, and how do they impact quality of care?

PAPER NAME: HOSPITAL PLANNING
PAPER CODE: MHA(N) 204

1. Discuss the role of location and site selection in hospital planning.
2. What are the essential departments in a hospital, and how are they planned?
3. Explain the significance of space management in hospital design.
4. How does hospital planning impact patient care and efficiency?
5. Discuss the role of technology and automation in modern hospital planning.
6. What are the legal and regulatory requirements for hospital planning?
7. Explain the importance of emergency and disaster preparedness in hospital planning.

PAPER NAME: HEALTH MANAGEMENT INFORMATION SYSTEM
PAPER CODE: MHA(N) 205

1. Explain the concept of E-commerce and E-business. Discuss their advantages and disadvantages, providing examples of different business models used in E-commerce.
2. Define a Hospital Information System (HIS). Explain the different classifications of HIS, its data collection methods, and the benefits it provides to healthcare organizations.
3. Explain the concept of outsourcing. Discuss the differences between Business Process Outsourcing (BPO) and Knowledge Process Outsourcing (KPO). Also, explain the concepts of Data Warehousing and Data Mining.
4. What is Health System Research (HSR)? Discuss its objectives and key areas of focus. Explain how health system research contributes to improving healthcare systems and policies.
5. Discuss the objectives and components of a Decision Support System (DSS). Provide examples of how DSS is applied in various industries, including healthcare, finance, and manufacturing.

PAPER NAME: RESEARCH METHODOLOGY QUANTITATIVE METHODS
PAPER CODE: MHA(N) 206

1. What is the difference between reliability and validity?
2. Explain difference between research method and research methodology?
3. What do you mean by research ?Explain its significance in modern times.
4. What are the characteristics of research methodology?

5. Find out the S.D for the following table :

1. x	2. 5	3. 15	4. 25	5. 35	6. 45	7. 55	8. 65	9. 75
10.f	11.3	12.7	13.9	14.23	15.15	16.8	17.6	18.4

6. Find the coefficient of correlation from the following data:

19.x	20.65	21.63	22.67	23.64	24.68	25.62	26.70	27.66
28.y	29.68	30.66	31.68	32.65	33.69	34.66	35.68	36.65

BBA(HM)-4TH SEM - THEORY
PAPER NAME: SUPPORT AND UTILITY SERVICES-I
PAPER CODE: BBA(HM)-401

1. What are hospital utility services, and why are they essential for patient care?
2. Explain the role of housekeeping services in maintaining hospital hygiene.
3. Discuss the importance of biomedical waste management in hospitals.
4. How does an efficient water supply and sanitation system contribute to hospital operations?
5. Describe the significance of hospital laundry services in infection control.?
6. What is the role of hospital dietary services in patient care?

PAPER NAME: HOSPITAL INVENTORY AND PURCHASE MANAGEMENT
PAPER CODE: BBA(HM)-402

1. Discuss the components of MRP I.
2. The role of different ' R' in purchase management.
3. Difference between general store and hospital store.
4. Short note on – Contract Act 1872 and Sale of Goods Act 1930.
5. Graphically discuss EOQ.
6. Short note on – Two Bin System.

PAPER NAME: ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
PAPER CODE: BBA(HM)-403

1. Write a short note on Tehri Dam Conflict.
2. Write the Environmental education at primary secondary and tertiary level.
3. Write the causes of Ozone layer depletion.
4. Write the importance of Environmental Protection Act 1986 for hospital administration.
5. Write the role of NGO Greenpeace in environmental protection.
6. Briefly discuss about ecological balance.

PAPER NAME: HUMAN RESOURCE MANAGEMENT
PAPER CODE: MIM401A

1. What is Human Resource Management (HRM), and why is it important for an organization?
2. Explain the key functions of HRM in an organization.
3. What is the significance of recruitment and selection in HRM?
4. Discuss the importance of employee training and development.

5. What are the different types of performance appraisal methods?
6. Explain the role of HRM in employee motivation and job satisfaction.
7. What are the key challenges faced by HR managers in today's business environment?

PAPER NAME: SALES AND DISTRIBUTION MANAGEMENT
PAPER CODE: MIM402A

1. Briefly explain the Evolution of Sales department.
2. Explain the Buyer-seller Dyad.
3. What are the Quantitative and Qualitative requirements of sales force planning?
4. What are the Characteristics of a Good Sales Person?
5. Write a note on Structure, functions and advantages of Marketing Channels.
6. What are the types of Channel Intermediaries?

PAPER NAME: SOCIETY CULTURE AND HUMAN BEHAVIOUR
PAPER CODE: AECC401A

1. Briefly explain the importance of studying human behaviour.
2. What is the difference between Culture and Diversity?
3. Mention some Causes of Occupational Diseases.
4. What are the Causes of Socio-Economic Problems Faced by the Aged Population
5. Write a note on National Policy on Population.
6. What are the Constitutional provisions for scheduled castes, scheduled tribes and other backward Classes.

BBA-4TH SEM - THEORY
PAPER NAME: MARKETING MANAGEMENT
PAPER CODE: BBACO-401

1. Briefly explain the steps involved in New Product Development.
2. Explain the elements of Promotion Mix
3. Consumer Buying Behaviour Vs Industrial Buying Behaviour..
4. What are the factors affecting Pricing Decisions?
5. Write a note on Holistic Marketing.
6. What are the marketing strategies taken in different stages of PLC?

PAPER NAME: HUMAN RESOURCE MANAGEMENT
PAPER CODE: BBACO-402

1. Discuss the evaluation of Human Resource Management in India.
2. Describe the changing functions of Human Resource Management with example.
3. Discuss the difference between Line functions and Staff functions.
4. Short note on – Human Resource Development.
5. Difference between Training, Development and Education.
6. Short note on – 360-degree Appraisal.

PAPER NAME: ORGANIZATIONAL BEHAVIOUR
PAPER CODE: BBACO-403

1. Discuss the foundation of Organizational Behaviour.
2. Difference between Perception and Sensation.
3. Describe the Errors in perception.

4. Write a short note on – Administrative management.
5. Difference between group and teams.
6. Write a short note on – Job satisfaction.

PAPER NAME: PHP PROGRAMMING & WEB DEVELOPEMENT
PAPER CODE: MIC401C

1. Explain Client-side and Server-side scripting languages with examples and their uses in web development.
2. Describe the structure of a URL with an example and explain the importance of port numbers in web communication.
3. Explain the types of CSS (Inline, Internal, External) with examples and discuss the advantages of using CSS.
4. Explain the Basic Syntax of PHP and how variables and constants are defined in PHP with examples.
5. Describe the steps for connecting a PHP application with a MySQL database and performing basic operations like Insert, Update, Delete, and Select.
6. Explain the Basic Structure of an HTML Page along with the elements of the Head Section and their uses.
7. Compare Static and Dynamic Websites with their advantages and disadvantages.

PAPER NAME: UNIX AND SHELL PROGRAMMING
PAPER CODE: MIC402B

1. Explain the architecture of the UNIX operating system, highlighting the roles of the Kernel and Shell.
2. Explain the concept of process management in UNIX. Describe different process states and process attributes.
3. Write a shell script to accept a filename as an argument, check if it exists, and display its contents if it does. Also, explain the use of command-line arguments in shell scripting.
4. Discuss file permissions in UNIX. Explain the chmod command and differentiate between Hard Links and Soft Links.
5. Discuss different types of system calls in UNIX with examples.
6. Explain file handling commands (cat, cp, rm, mv, wc, more) with examples.
7. What are UNIX filters? Explain the use of grep, sort, uniq, tr, cut, and paste with examples.
8. Discuss file system structure in UNIX and the significance of inodes.

PAPER NAME: SOCIETY CULTURE AND HUMAN BEHAVIOUR
PAPER CODE: AECC401A

1. Briefly explain the importance of studying human behaviour.
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3. Mention some Causes of Occupational Diseases.
4. What are the Causes of Socio-Economic Problems Faced by the Aged Population
5. Write a note on National Policy on Population.
6. What are the Constitutional provisions for scheduled castes, scheduled tribes and other backward Classes.

BCA-4TH SEM - THEORY
PAPER NAME: DATABASE MANAGEMENT SYSTEM
PAPER CODE: BCAC 401

1. Explain about Integrity Constraints over relations in detail?
2. Explain about Aggregate operators in sql with examples?

3. What is normalization? What are the conditions are required for a relation to be in 1NF, 2NF and 3NF explain with examples.
4. What is transaction? Explain the ACID Properties of transactions?
5. Explain insertion and deletion operation in B+ trees?
6. Explain in detail about Validation-Based Protocols?
7. Define trigger and explain its three parts? Compare row level and statement level triggers?

PAPER NAME: OPERATING SYSTEM
PAPER CODE: BCAC 402

1. Explain the Process State transition diagram.
2. What is scheduler? Explain queuing diagram representation of process scheduler with figure.
3. What is Semaphore? Give the implementation of Bounded Buffer Producer Consumer Problem using Semaphore.
4. What do you mean by Deadlock Avoidance? Explain the use of Banker's Algorithm for Deadlock Avoidance with illustration.
5. What is Page Table? Explain the conversion of Virtual Address to Physical Address in Paging with example.
6. Explain swapping in memory management.
7. What is Semaphore? How can we achieve the synchronization using semaphore for producer – consumer problem?
8. Explain the following allocation algorithms: 1) First-fit 2) Best-fit 3) Worst-fit.

PAPER NAME: SOTWARE ENGINEERING
PAPER CODE: BCAC 403

1. Explain the challenges faced in software engineering.
2. Explain the importance of data abstraction and encapsulation in object-oriented design.
3. How do you estimate the maintenance cost of the software? Explain with process models.
4. Differentiate data-oriented requirements analysis and object-oriented requirement analysis.
5. What is the use of software development process models? Explain.
6. What is testing? Explain the different levels of testing
7. What is software maintenance? Explain in detail.
8. Define software engineering. What are the challenges of software engineering?

PAPER NAME: HUMAN RESOURCE MANAGEMENT
PAPER CODE: MIM401A

1. Discuss the evaluation of Human Resource Management in India.
2. Describe the changing functions of Human Resource Management with example.
3. Discuss the difference between Line functions and Staff functions.
4. Short note on – Human Resource Development.
5. Difference between Training, Development and Education.
6. Short note on – 360-degree Appraisal.

PAPER NAME: SALES AND DISTRIBUTION MANAGEMENT
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1. Briefly explain the Evolution of Sales department.
2. Explain the Buyer-seller Dyad.
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11. Write a note on National Policy on Population.
12. What are the Constitutional provisions for scheduled castes, scheduled tribes and other backward Classes.

BCA-4TH SEM - PRACTICAL
PAPER NAME: DATABASE MANAGEMENT SYSTEM LAB
PAPER CODE: BCAC491

1. Write a SQL query to retrieve all columns from a table named "Employees."
2. Write a SQL query to retrieve all records from the "Orders" table where the order amount is greater than 1000.
3. Write a SQL query to calculate the total number of orders for each customer from the "Orders" table.
4. Write a SQL query to update the salary of an employee with ID 101 to 50000.
5. How do you delete records from a table in SQL? Provide an example.
6. Write a SQL query to retrieve the top 5 highest-paid employees from the "Employees" table.
7. How do you use the ORDER BY clause in SQL? Provide an example query.

BBA(HM)-6TH SEM - THEORY
PAPER NAME: QUALITY IN HEALTHCARE
PAPER CODE: BBA(HM)601

1. Define quality in healthcare and explain its importance.
2. Discuss the key principles of Total Quality Management (TQM) in healthcare.
3. Explain the purpose and benefits of accreditation in healthcare.
4. Describe the role of continuous quality improvement (CQI) in healthcare.
5. Discuss the importance of patient satisfaction in healthcare and explain how it can be measured.

PAPER NAME: HEALTH INSURANCE
PAPER CODE: BBA(HM)602

1. What is hospital health insurance, and why is it important?
2. Explain the difference between cashless and reimbursement health insurance.
3. What are the key features of a good hospital health insurance policy?
4. Discuss the role of health insurance in reducing out-of-pocket medical expenses.
5. How does medical insurance benefit both patients and hospitals?
6. Explain the concept of pre-existing disease coverage in health insurance.?

PAPER NAME: HUMAN RESOURCE MANAGEMENT
PAPER CODE: BBA(HM)603

1. What is Human Resource Management (HRM), and why is it important for an organization?
2. Explain the key functions of HRM in an organization.
3. What is the significance of recruitment and selection in HRM?
4. Discuss the importance of employee training and development.
5. What are the different types of performance appraisal methods?
6. Explain the role of HRM in employee motivation and job satisfaction.
7. What are the key challenges faced by HR managers in today's business environment?

BBA-6TH SEM - THEORY
PAPER NAME: PROJECT MANAGEMENT
PAPER CODE: BBA 601

1. Discuss about the Project Scheduling.
2. Describe the mitigation strategies related to project management.
3. Short note on – Project Control.
4. Briefly discuss about the features of Project MIS.
5. Short note on – PERT.
6. Difference between NPV and IRR.

PAPER NAME: SUPPLY CHAIN AND LOGISTICS MANAGEMENT
PAPER CODE: BBA 602

1. Difference between Logistics and Supply chain management.
2. Short note on – Logistics performance cycle.
3. Short note on – Logistics mix.
4. Discuss the activities of organization level.
5. Short note on – VMI.
6. Discuss the components of materials management.

PAPER NAME: HUMAN RESOURCE ANALYTICS
PAPER CODE: BBA 603C

1. Describe the difficulties in obtaining data.
2. Short note on – HR Metrics.
3. Discuss about the reliability and validity of selection methods.
4. Describe the application of HR Information Systems.
5. Discuss about the statistical software used for HR Analytics.
6. Short note on – Data Integrity.

BCA-6TH SEM - THEORY
PAPER NAME: UNIX AND SHELL PROGRAMMING
PAPER CODE: BCAC-601

1. List and explain features of UNIX Operating System.
2. With a neat diagram explain the architecture of Unix Operating System.
3. Illustrate with a diagram typical Unix File system and explain different types of files supported in Unix.
4. Write a PERL program, check the given year is leap year or not?
5. Explain the mechanisms of process creation in UNIX Operating System.
6. Explain the example set and shift commands in Unix to manipulate positional parameters.
7. List and explain the different modes of Vi editor. Also explain different ways of quitting Vi-editor.
8. What is the purpose of grep? Explain grep with all options.

PAPER NAME: CYBER SECURITY
PAPER CODE: BCAC-602

1. Explain Cybercrime: The Legal Perspective and Indian Perspective.
2. Explain the different phases involved in planning the cybercrime.
3. Explain the Cryptographic perspective on the Indian IT Act.
4. Explain the different phases involved in planning the cybercrime.
5. Explain Cybercrime: The Legal Perspective and Indian Perspective.
6. Describe the various cybercrimes against Property.
7. Describe the Digital forensics process.
8. Discuss the Proliferation of Mobile and Wireless Devices.

PAPER NAME: ADVANCED DATABASE AND PL/SQL
PAPER CODE: BCAD-601F

1. Explain the two-pass algorithms for sorting and hashing in query processing.
2. Explain nested-loop join, hash join, and sort-merge join algorithms with examples.
3. Describe serializability and different types of locks used in databases.
4. What is view serializability, and how does it differ from conflict serializability?
5. What is data fragmentation, replication, and allocation in distributed databases explain with examples.
6. Explain the role of special, text, and multimedia databases in modern applications.
7. Explain directory systems and transparency features in distributed databases.
8. Explain the architectural approaches of distributed databases with their advantages and disadvantages.

BCA-6TH SEM - PRACTICAL
PAPER NAME: UNIX AND SHELL PROGRAMMING LAB
PAPER CODE: BCAC-691

1. Write a shell script to print the factorial of first n natural numbers.
2. Write a shell script to generate a multiplication table of the given number.
3. Write a shell script that counts the number of lines and words present in a given file.
4. Write a shell script that displays the list of all files in the given directory.
5. Write a C program that illustrates the creation of child process using fork system call.
6. Write a shell script to display files which has read, write and execute permissions.
7. Write a C program that displays the real time of a day every 60 seconds.
8. Write a C program that counts the number of blanks in a text file using standard I/O

PAPER NAME: ADVANCED DATABASE AND PL/SQL LAB
PAPER CODE: BCAD-691F

1. Implementation of Data and Built in Functions in SQL
2. Implementation of Nested Queries and Join Queries
3. Implementation of Cursors and Triggers
4. Consider Database applications, Design and Develop Conceptual Data Model (E-R Diagram) with all the necessary entities, attributes, constraints and relationships. Design and build Relational Data Model for application specifying all possible constraints.
5. Implementation of Embedded SQL
6. Implementation of Procedures and Functions
7. Implementation of various DBA roles/techniques
   Creation of user
   • Granting of privileges to the users
   • Creation of roles
   • Loading of privileges into user defined roles.
   • Import/Export data between various databases and flat files

MHA-4TH SEM - THEORY
PAPER NAME: HEALTH ECONOMICS
PAPER CODE: MHA(N) 401

1. Discuss the role of manager in business decision making.
2. Discuss all the three elasticity of demand.
3. What are the sources of health financing.
4. "Health as a private and a public good."- discuss.
5. Describe all the cases of market failure in health care.
6. Short note on – HDI.

PAPER NAME: DISASTER MANAGEMENT
PAPER CODE: MHA(N) 402

1. What is disaster management, and why is it important?
2. Explain the different types of disasters with examples.
3. What are the key phases of disaster management?
4. Discuss the role of government agencies in disaster management.
5. How does community participation help in disaster preparedness?
6. Explain the importance of early warning systems in disaster management.
7. What are the major challenges faced during disaster response and recovery**?**