

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: GRAPHIC DESIGN WITH PHOTOSHOP AND ILLUSTRATOR
PAPER CODE: MIC402A

1. Describe typography and its role in graphic design.
2. Describe different tools in Photoshop (selection, brush, text, etc.).
3. Explain Illustrator interface in detail.
4. Describe role of aesthetics in graphic design.
5. Discuss importance of graphic design in marketing.

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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: SOFTWARE 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?

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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: PUBLIC HEALTH AND HEALTHCARE POLICY
PAPER CODE: BBA(HM)602

1. Define Public Health. Explain its scope, objectives, and importance in modern society.
2. Discuss the determinants of health and their impact on community health.
3. Discuss major public health challenges in India such as population growth, malnutrition, and communicable diseases.
4. Explain the impact of environmental factors on public health.
5. Explain Universal Health Coverage (UHC) and its importance in India.

PAPER NAME: OCCUPATIONAL HEALTH AND HAZARDS
PAPER CODE: BBA(HM)603

1. Define occupational health. Discuss its importance in the hospitality industry and explain the role of management in maintaining workplace health.
2. Explain different types of occupational hazards (physical, chemical, biological, ergonomic, psychological) with suitable examples from the hotel industry.
3. What is industrial hygiene? Explain its principles and methods used for controlling workplace hazards.
4. Discuss the causes, effects, and prevention of workplace accidents in hotels and catering establishments.
5. Explain the concept of ergonomics. How can ergonomic principles be applied in hotels to reduce employee fatigue and injuries?

PAPER NAME: CUSTOMER RELATIONSHIP MANAGEMENT
PAPER CODE: MIM-601

1. Define Customer Relationship Management (CRM). Explain its importance and objectives in modern business organizations.
2. Discuss the evolution of CRM. How has CRM developed from traditional marketing to digital CRM?
3. Describe the process of CRM implementation. What challenges do organizations face during implementation?
4. Discuss ethical issues in CRM. How can organizations maintain customer trust?
What are the key strategies for effective customer retention? Explain with suitable examples.

PAPER NAME: CAREER PLANNING AND MANAGEMENT
PAPER CODE: MIM-602A

1. Define career planning. Explain its importance in modern organizations.
2. Discuss the process of career planning in detail.
3. Discuss various career management strategies used by organizations.
4. Discuss the impact of globalization on career planning.
5. Explain the role of technology in modern career management.

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: BUSINESS RESEARCH METHODS
PAPER CODE: BBA 602

1. What is Business Research? Discuss its importance in decision-making.
2. Explain the types of research methods used in business research.
3. What are the key steps involved in the business research process?
4. What is the significance of literature review in business research?
5. Discuss the differences between primary and secondary data in business research.
6. What are the different types of sampling techniques used in business research?
7. Explain the concept of hypothesis testing in business research.

PAPER NAME: DATA ANALYTICS SKILLS FOR MANAGERS
PAPER CODE: BBA 603

1. Explain the Uniform Probability Distribution with definition, properties, and examples.
2. Compare Uniform Distribution and Normal Distribution with suitable examples.
3. Explain the Simple Linear Regression Model with assumptions.
4. Describe the Ordinary Least Squares (OLS) method for estimating regression coefficients.
5. Write short notes on:
 - Residuals
 - Line of best fit
 - Error term

PAPER NAME: WEB DEVELOPMENT WITH HTML AND CSS

PAPER CODE: MIC601A

1. Explain the basic process of how the web works
2. Differentiate between Frontend and Backend Development.
3. Describe the structure of an HTML document and explain the function of key HTML elements.
4. What is CSS, and how can it be applied to an HTML document?
5. What are Flexbox and its role in CSS layout design?

PAPER NAME: INTERNET AND NETWORKING

PAPER CODE: MIC602A

1. Explain the basics of internet safety and safe browsing practices. Discuss common online threats such as viruses, phishing, and scams.
2. What is a MAC address? Explain its role in network communication. Explain NAT and its types.
3. Explain the importance of strong passwords and privacy settings.
4. Write a short note on Internet of Things (IoT) and smart devices.
5. Explain different packet transmission techniques in computer networks. Describe various switching techniques.

BCA-6TH SEM - THEORY

PAPER NAME: ADVANCE JAVA WITH WEB APPLICATION

PAPER CODE: BCAC-601

1. Explain the architecture of Java EE and how it supports the development of enterprise-level applications. Provide an example of a multi-tier application using Java EE components.
2. Compare and contrast the use of Statement and Prepared Statement in JDBC. Discuss their advantages and limitations, especially in terms of security and performance.
3. Describe the complete lifecycle of a JSP page. Include details about how the request is processed, the role of the JSP container, and the conversion of the JSP page to a servlet.
4. Explain how JDBC handles transactions. Discuss the concepts of commit, rollback, and save point.
5. What are JSTL Core tags and how do they simplify the development of JSP pages? Explain the usage of the <c:if>, <c:forEach>, and <c:choose> tags with examples.

PAPER NAME: UNIX AND SHELL PROGRAMMING

PAPER CODE: BCAC-602

1. Explain row-wise and column-wise selection from a file.
2. Explain different file comparison commands in UNIX. Explain how to join two files in UNIX.
3. Explain file compression and archiving in UNIX.
4. Explain built-in variables in awk.
5. Explain awk with print and printf. Explain advanced searching using grep.

PAPER NAME: NETWORKING

PAPER CODE: BCAC 603

1. Explain the OSI reference model and TCP/IP model in detail. Compare both models with suitable diagrams and highlight their advantages and disadvantages.
2. Discuss different types of guided and unguided transmission media. Also explain FDM, TDM, and WDM multiplexing techniques with neat diagrams and applications.
3. Explain various error detection and correction techniques such as Parity Check, CRC, and Hamming Code. Also discuss Stop-and-Wait and Sliding Window flow control protocols.

4. Explain different routing algorithms (Distance Vector, Link State, Shortest Path). Also describe IPv4 addressing, subnetting, and CIDR with examples.
5. Explain the working of TCP (3-way handshake and connection termination). Compare TCP with UDP. Also describe congestion control techniques: Leaky Bucket and token Bucket.

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4. Discuss ethical issues in CRM. How can organizations maintain customer trust?
5. What are the key strategies for effective customer retention? Explain with suitable examples.

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3. Discuss various career management strategies used by organizations.
4. Discuss the impact of globalization on career planning.
5. Explain the role of technology in modern career management.

BCA-6TH SEM - PRACTICAL
PAPER NAME: ADVANCE JAVA WITH WEB APPLICATION LAB
PAPER CODE: BCAC-691

1. Implement a Servlet to Display the List of Books from a Database on a Web Page.
2. Implement a Servlet to Handle User Searches by Book Title or Author.
3. Implement Session Tracking to Maintain the User's Cart.
4. Use Prepared Statement to Insert, Update, and Delete Book Records Securely.
5. Write a Java Program to Connect to a Database and Fetch Book Records.

PAPER NAME: UNIX AND SHELL PROGRAMMING LAB
PAPER CODE: BCAC-692

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

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?