

INSTITUTE OF SCIENCE & TECHNOLOGY

ASSIGNMENT QUESTION

BHM-3RD SEM

PAPER NAME: MEDICAL RECORD II

PAPER CODE: BBA (HM)-301

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. Short notes on Micro filming?
8. Difference Between ICD-9 and ICD-10
9. Types of Medical Records
10. Managerial Issues of MRD

PAPER NAME: HEALTH CARE MARKETING

PAPER CODE: BBA (HM)-302

1. Briefly describe the steps in the Marketing research process?
2. Explain in detail the Marketing Process in a Hospital.
3. Concepts of 7 Ps in service Marketing explains it.
4. What is prospectus of Marketing in Indian Hospital?
5. Explain the elements of service mix in hospitals
6. Elucidate briefly the methods of pricing in hospital services.
7. Use of Marketing Analytics in Health care Units?
8. What are the tools used for External Marketing?
9. What is Digital Marketing?
10. Difference Between Modern Marketing and Traditional Marketing

PAPER NAME: PRINCIPLE OF MARKETING

PAPER CODE: MIM-301A

1. Define marketing and state its importance in today's world.
2. Explain the nature and Scope of marketing.
3. Distinguish between Marketing and Selling.
4. What is Packaging? Explain its role and functions. Mention its features.
5. Write a detailed note on various pricing methods.
6. How does marketing strategy work?
7. What's the difference between a marketing strategy and marketing tactics?

PAPER NAME: HEALTH EDUCATION & COMMUNICATION

PAPER CODE: GE5B-03

1. Write models & communication (any one)
 - a) Shanon and weaver model
 - b) Legans Model
2. State some factors that influence communication.
3. Explain the relationship between health literacy and health outcomes.
4. How can AI technologies transform traditional health education models? Give examples.

5. Discuss the role of media literacy in enhancing the effectiveness of health messages.
6. How do health educators utilize mass media to promote health campaigns? Provide examples.
7. Evaluate the impact of interactive media platforms on public engagement with health education content.
8. What are the potential future trends in health education and media? Speculate based on current advancements.
9. How does health communication differ from general communication practices?
10. Explain how digital media has transformed the landscape of health education and communication.

PAPER NAME:- THE CONSTITUTION HUMAN RIGHTS AND LAW

PAPER CODE : AECC-301

1. Describe The Fundamental Rights & Duties In Indian Constitution?
2. Difference Between Fundamental Right And Duties?
3. List Out The Sources Of Indian Constitution?
4. Describe The Power & Function Of President As Per Indian Constitution?
5. Discuss The Role & Functions Of The Collector In A District Administration?
6. Role & Importance Of Municipalities In The Local Administration?

PAPER NAME:- UNDERSTANDING BASICS OF CYBER SECURITY

PAPER CODE : SEC-381

1. Discuss the different E-Commerce models.
2. Describe different types of cyber law in details.
3. What is the punishment for cybercrime in India?
4. Discuss the main components of E-Commerce.
5. What are the needs and components of EPS and also describe the advantages and disadvantages of EPS.
6. Discuss the services provided by E- banking and also give the advantages and disadvantages of E- banking.
7. Explain the issue and challenges of cyber security.
8. Describe the digital payments related common frauds and preventive measures.
9. Explain the RBI guidelines on digital payments and customer protection in unauthorized banking transactions.
10. What are the different types of social media platforms? Describe social media marketing in details.

BBA-3RD SEM-THEORY

PAPER NAME : OPERATIONS MANAGEMENT

PAPER CODE : BBACO 301

1. Write a short note on MTBF (Mean Time Between Failure).
2. Describe Preventive Maintenance.
3. Discuss the classification of Manufacturing Systems.
4. Make or Buy decision--short note.
5. Explain the types of Inventory Management.
6. Discuss about Inventory Control Systems.

PAPER NAME : FINANCIAL MANAGEMENT AND RISK ANALYSIS

PAPER CODE : BBACO 302

1. Explain the significance of Operating and Financial leverage analysis for a financial structure planning.
2. Three main advantages and disadvantages of Risk.
3. Short note – Capital rationing.
4. Explain briefly the Net Operating Approach (NOI).
5. What do you meant by Capital Structure ? Explain the factors of capital structure ?
Difference between Explicit Cost and Implicit Cost

PAPER NAME : WORD, POWERPOINT & SPREADSHEET APPLICATION WITH EXCEL

PAPER CODE : MIC-310A

1. Briefly Explain The Steps For Creating A Power Point Presentation
2. How Will You Create A Table In MS Access?
3. What Is Query? What Are The Different Options In Creating A Query?
4. What Are The Different Views In Power Point Presentation?
5. Briefly Explain Table Menu In MS Word.
6. Explain Custom Animation And Slide Transition.
7. What Is A Chart And Explain Different Steps For Inserting A Chart In Excel
8. Explain Entering And Editing Text In Power Point Presentation.
9. Different Views In MS Word. Explain Inserting A Table.
10. What Is Reports? What The Steps Are For Create A Report Using An Auto Report?

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MHA-3RD SEM-THEORY

PAPER NAME : UTILITY & CLINICAL AREA

PAPER CODE : MHA (N)-301

1. Highlight the major features of Transplantation of Human organs and Tissues Rules (March 2014)
2. Explain in detail with diagrams the various types of ward designs.
3. The outpatient dept.(OPD) is often referred as the “Shopping Window of the Hospital”, Why is it said so? Discuss
4. Write the standards of Indian Radiology and Imaging services.
5. Describe in detail the various nursing functions in a Super speciality hospital.
6. Write a short note on patient’s satisfaction
7. Function of Ward Management?
8. Discuss the staffing pattern of Operation Theatre.

PAPER NAME : HEALTH INSURANCE

PAPER CODE : MHA (N)-302

1. Why do you need health insurance?
2. How do you get health insurance?
3. Distinguish between the two types of total losses with reference to marine insurance.
4. State the meaning of the term Cash Less Facility“?
5. What other government programs are available in India?
6. Inception Of Health Insurance in India.
7. Name the Health Insurance Companies and their Policies
8. Discuss the roles and policies of IRDA.
9. Describe the Coverage of health risk in foreign countries for those who are insured in India.

PAPER NAME : LEGAL ASPECTS OF HEALTH

PAPER CODE : MHA (N)-303

1. Briefly discuss about PNDT ACT.
2. Duties and responsibilities of Healthcare providers in MLC case.
3. Importance of medical Jurisprudence overview and medical profession.
4. Explain the Donation of organs ACT.
5. Explain the organ transplantation ACT.
6. Short note on – a) Free Consent, b) Void law, c) Salient features.

PAPER NAME: OPERATIONS RESEARCH

PAPER CODE: MHA(N)-304-N

1. Write the steps of decision making process.
2. Write the dual of the following primal problem
3. Maximize $Z = x_1 - x_2 + 3x_3$
4. Subject to the constraints
 - a. $x_1 + x_2 + x_3 \leq 10$
 - b. $2x_1 - x_2 - x_3 \leq 2$
 - c. $2x_1 - 2x_2 - 3x_3 \leq 6$ And $x_1, x_2, x_3 \geq 0$.
5. Write down the advantages and limitation of Linear Programming.
6. Write probability distribution QUEUING system .
7. Write down the queuing model for $\{(M/M/1) : (N/FCFS)\}$.
8. Write down the difference between PERT and CPM.

PAPER NAME : HUMAN RESOURCE MANAGEMENT & INDUSTRIAL RELATIONS

PAPER CODE : MHA (N) -305

1. Describe the role of a HR Manager.
2. Explain different techniques of Job Analysis Data.
3. Discuss Constraints and Challenges in recruitment.
4. Short note on Interviewing Method.
5. Discuss the need of Human Resource Development.
6. Describe Performance Appraisal methods.

PAPER NAME: MARKETING & STRATEGIC MANAGEMENT

PAPER CODE: MHA (N)-306

1. Explain SWOT analysis using a suitable example.
2. Importance of 'Positioning' in corporate hospital.
3. How does reference group influence consumer decision process?
4. What are the threats in the development of medical tourism?
5. How is the understanding of consumer behavior relevant to a health care provider?
6. What control procedures can be employed by marketing management?
7. Write a note on the role of post-purchase behavior in health care industry.
8. Factors influencing consumer behaviour?
9. Definition and need for internal marketing.
10. Overview on Marketing Research?

BHM-5TH SEM

PAPER NAME : EPIDEMIOLOGICAL TRANSITIONS IN HEALTH CARE

PAPER CODE : BBA (HM)-501

1. Describe Health? & full form of DALY.
2. Discuss about the epidemiological study designs.
3. What is epidemiological triad? Explain in detail.
4. What is epidemiology? & its uses.
5. Differentiate and explain about Epidemic vs. Pandemic.
6. Write a short note on Index case.
7. Explain Iceberg Phenomenon of Disease?
8. Examine various roles of hospitals in prevention of Epidemics.

PAPER NAME: SUPPORT & UTILITY SERVICES – II

PAPER CODE : BBA (HM)-502

1. Write a short note about protective zone.
2. What do you know about Emergency department in hospital?
3. Show diagrammatically the workflow pattern of a CSSD.
4. Define the concept of Triage.
5. Describe the functional flow chart of OPD.
6. Difference between support & Utility Services in a Hospital.
7. Challenges and Opportunities for Hospitals in India regarding Biomedical waste management.
8. Discuss The staffing pattern of Blood Bank.

PAPER NAME : CONCEPTS OF DIGITAL HEALTH

PAPER CODE : BBA (HM) – 503 B

1. What is the role of telemedicine in Healthcare?
2. What are the benefits of Digital health Technology?
3. What about security for patient or personal information?
4. What types of health services can be done via-telemedicine?
5. What are the problems with Healthcare system in India?
6. Will digital health provide better Healthcare?

BCA-5TH SEM-THEORY

PAPER NAME : INTERNET TECHNOLOGY

PAPER CODE : BCAC501

1. What is HTML ? Explain any 4 tags with example.
2. Explain HTTP request method.
3. What is CSS ? Explain different types of CSS.
4. Differentiate client and server side scripting.
5. Explain the applications of internet.
6. What is online certification ? Explain.
7. Distinguish between SQL and NOSQL data base
8. Explain query processing.
9. Write any four-web designing tools name. Explain any two.
10. Define: a) Internet b) WWW

PAPER NAME : COMPUTER NETWORKING

PAPER CODE: BCAC502

1. Describe the key differences between the star, ring, and mesh network topologies. Include diagrams and discuss the advantages and disadvantages of each.
2. Explain the functions of each layer in the OSI model. Provide examples of protocols that operate at each layer and their roles in network communication.
3. Define IPv4 and IPv6 addressing. Explain the differences between them, including address structure and the need for IPv6.
4. Describe the concept of NAT and its purpose in networking. Explain how NAT translates private IP addresses to public IP addresses.
5. Describe the IEEE 802.11 standards for wireless networking. Explain the differences between the 802.11a, 802.11b, 802.11g, and 802.11n standards.
6. Describe the process of IP routing. Explain how routers use routing tables to determine the best path for forwarding packets.
7. Describe the function of a firewall in network security. Explain the difference between hardware firewalls and software firewalls.
8. Discuss the Dynamic Host Configuration Protocol (DHCP) and its role in network address allocation. Explain how DHCP leases IP addresses to clients.
9. Discuss emerging networking technologies such as Software-Defined Networking (SDN) and Network Function Virtualization (NFV). Explain their potential impact on network management and operations.
10. Identify and explain key performance metrics used to evaluate network performance, such as throughput, packet loss, and jitter.

PAPER NAME : THEORY OF COMPUTATION

PAPER CODE : BCAD501F

1. Design a DFA that accepts the language of all strings over the alphabet $\{0, 1\}$ that have an odd number of 1s. Provide a detailed description of the DFA, including its states, transitions, start state, and accepting states.
2. Explain the process of minimizing a DFA with an example. Construct a DFA for the language $L = \{a^n b^m \mid n, m \geq 0\}$ and minimize it to obtain the smallest DFA.
3. Given to the regular expression $a^* (b|c)^* d$, construct an NFA with epsilon transitions and then convert it to a DFA. Describe each step of the conversion process.
4. Prove that the class of regular languages is closed under concatenation. Provide a proof using regular expressions and examples.
5. Define a Context-Free Grammar (CFG) for the language of balanced parentheses. Provide a detailed explanation of the CFG's components and how it generates strings in the language.
6. Explain the CYK algorithm for parsing context-free grammars. Provide an example of parsing a string using the CYK algorithm with a given CFG.
7. Discuss the concept of ambiguity in context-free grammars. Provide an example of an ambiguous grammar and demonstrate how to resolve its ambiguity.
8. Describe the process of converting a PDA to an equivalent CFG. Provide an example PDA and its corresponding CFG.
9. Discuss and implement a stack-based approach to evaluate a postfix expression. Provide detailed steps with an example expression and the corresponding code.
10. Explain how to use the Pumping Lemma for context-free languages to prove that a language is not context-free. Provide an example and detailed proof.

BCA-5TH SEM-PRACTICAL

PAPER NAME : INTERNET TECHNOLOGY LAB

PAPER CODE : BCAC591

1. Write a program to create time table using table tag in HTML.
2. Explain web frame work with neat diagram.
3. With the neat diagram explain internet architecture.
4. Explain Model-View-Controller Architecture (MVC) with neat diagram.
5. Write the steps to create an application using Angular JS.
6. Explain the types of cookies.

PAPER NAME : COMPUTER NETWORKING LAB

PAPER CODE : BCAC592

1. Explain the key differences between analog and digital signals. Discuss the advantages of using digital signals over analog signals in communication systems.
2. Compare Amplitude Modulation (AM), Frequency Modulation (FM), and Phase Modulation (PM) in terms of bandwidth requirements, noise immunity, and applications. How does each modulation technique affect signal quality?
3. Describe how Cyclic Redundancy Check (CRC) and Hamming Code work. How do these methods ensure data integrity and what are their respective strengths and limitations?
4. Compare Stop-and-Wait ARQ and Go-Back-N ARQ in terms of efficiency and complexity. How do these flow control mechanisms handle data transmission and error recovery?
5. Discuss the principles of ALOHA, CSMA/CD, TDMA, and CDMA. How does each protocol manage access to the communication medium and handle potential collisions?
6. Explain the differences between IPv4 and IPv6 addressing schemes. Why was IPv6 introduced, and what are the key advantages of using IPv6 over IPv4?
7. Compare TCP and UDP in terms of connection-oriented vs. connectionless communication. Discuss the trade-offs between reliability and speed for each protocol.
8. Describe the layers of the OSI model and the TCP/IP model. How do the functionalities of each layer in both models compare, and why is the TCP/IP model more widely used?

BBA-5TH SEM

PAPER NAME: FINANCIAL MANAGEMENT & RISK ANALYSIS

PAPER CODE : BBA-501A

1. Explain the significance of Operating and Financial leverage analysis for a financial structure planning.
2. Three main advantages and disadvantages of Risk.
3. Short note – Capital rationing.
4. Explain briefly the Net Operating Approach (NOI).
5. What do you mean by Capital Structure? Explain the factors of capital structure?
6. Difference between Explicit Cost and Implicit Cost.

PAPER NAME: ENTREPRENEURSHIP

PAPER CODE : BBA-502A

1. Differentiate between Entrepreneur and Manager.
2. Write a short note on-The Small Industries Development Bank of India (SIDBI).
3. Discuss the objectives of Entrepreneurial Development in India.
4. Discuss the features of Industrial Park.
5. Write a short note on – Entrepreneurial Traits.
6. Discuss about Govt. Schemes for encouraging starts-ups.

PAPER NAME: CONSUMER BEHAVIOUR

PAPER CODE : BBA 503A

1. Write a short note on Cognitive Learning Theory.
2. Write a short note on Perceptual Organisation.
3. Differentiate between Buyers and Users.
4. Describe Brand Personality.
5. Describe the factors that Distort Individual Perception.
6. Concept of Involvement & Dimensions of Involvement.

PAPER NAME : DATA ANALYTICS SKILLS FOR MANAGERS

PAPER CODE: BBA-504A

1. Discuss how businesses use data analytics to gain a competitive advantage. Provide at least two real-world examples where businesses successfully used data analytics to improve operations or increase profitability.
2. Explain the steps involved in data collection strategies. How can we ensure the accuracy and reliability of the data being collected?
3. Explain the significance of ANOVA (Analysis of Variance) and provide a practical example where ANOVA can be used in business to compare the means of different groups.
4. Discuss the concept of logistic regression and provide a real-world application where logistic regression can be used to predict binary outcomes (e.g., customer churn, loan default).
5. Explain the STP (Segmentation, Targeting, and Positioning) framework with examples from real businesses. How does this framework contribute to value generation?
6. Explain how Discriminant Analysis (DA) can be used in business for predictive analytics. Provide a case study where DA was used to predict customer behavior or segment membership.
7. Explain the Analytic Hierarchy Process (AHP) and demonstrate its use in solving a complex business decision problem. Create a hierarchy of decision criteria and use AHP to rank the alternatives.
8. Choose a business scenario (e.g., budgeting or forecasting) and use Pivot Tables and Charts to analyze and visualize the data effectively.
9. Explain the different types of inspections in Statistical Quality Control (SQC) and discuss the advantages and disadvantages of each type. Provide examples from the manufacturing industry.
10. Explain Bayesian Decision Theory and its applications in decision-making under uncertainty. Provide a business case study where Bayesian methods are applied.