INSTITUTE OF SCIENCE & TECHNOLOGY
ASSIGNMENT QUESTION
BHM-3RD SEM

PAPER NAME: MEDICAL RECORD SCIENCE
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.

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.

PAPER NAME: HEALTH INFORMATION SYSTEM
PAPER CODE: BBA (HM)-303-A

1. What is Electronic Health Records?
2. Write in brief about Decision Support System?
3. Advantages of Paper Record?
4. What are first three levels of Electronic Health Record?
5. Write in Brief about Electronic Medical Records?
6. Components of Information System

PAPER NAME: HEALTH EDUCATION & COMMUNICATION
PAPER CODE: GE1B-03

1. Define health Education.
2. List the aims and objectives of health education.
3. Explain the importance of health education.
4. Mention five principles of health education.
5. Differentiate between health education and counseling.
6. What do you know about health promotion?

PAPER NAME:- COMPUTER APPLICATIONS
PAPER CODE : BBA (HM)–305

1. State the number of bytes and bits occupied by a character array of 10 elements.
2. Differentiate between Binary Search and Linear Search techniques.
3. What is the output of the following: String a="Java is programming language \n developed by \t\'James Gosling\'"; System. out. println(a);
4. Differentiate between boxing and unboxing.
5. State the type of errors if any in the following statements:
   (i) switch (n > 2)   (ii) System.out.println(100/0);

BBA-3RD SEM-THEORY
PAPER NAME : BUSINESS RESEARCH METHOD
PAPER CODE : BBA -301-A

1. What is the element of a good research design?
2. Describe the characteristics of Research Design?
3. Explain in brief the scope and significant of social research
4. What is Data Collection?
5. What are the best Data collection tools for Interviews?

PAPER NAME : FINANCIAL ACCOUNTING
PAPER CODE : BBA-302-A

1. What is Accounting Cycle?
2. Difference between fixed cost and variable cost
3. Difference between cash book and cash account
4. What is Accounting
5. What are the principles of accounting?

PAPER NAME : MARKETING MANAGEMENT
PAPER CODE : BBA-303

1. What are various elements of the marketing mix?
2. Define Market Segmentation
3. C Define Green Marketing?
4. Why is it important to study consumer behaviour? Identify factors influencing consumer buying behaviour?
5. Write short note on managing the Sales Management
6. Explain salient features of Customer relationship management

PAPER NAME : PRINCIPLES OF MANAGEMENT
PAPER CODE : GE5B-01

1. "Planning is looking ahead and control is looking back"-------comment.
2. Differentiate between standing and special use plans.
3. Explain the various steps of MBO process.
4. Why has Herzberg's approach been so popular with practicing managers?
5. Explain briefly the concept of leadership.
6. Define and discuss the need for 'Control' in the context of an organization.

PAPER NAME : PERSONALITY   DEVELOPMENT
PAPER CODE : BBA-305

1. Define Personality Development? How can it be developed?
2. State some personality development tips .
3. What do you mean by "good personality"?
4. W hat is Erikson's stages of psychological theory?
5. What are personality traits of an individual?
6. State the benefits of Positive Attitude.
7. What are the benefits of a good leader?

8. What are the different types of listening?
9. What are speaking skills and what is its importance?
10. What are the four types of listening?

BBA-3RD SEM-PRACTICAL
PAPER NAME : BUSINESS RESEARCH METHODS LAB
PAPER CODE : BBA 391-A

1. What is the element of a good research design?
2. Describe the characteristics of Research Design?
3. Explain in brief the scope and significant of social research
4. What is Data Collection?
5. What are the best Data collection tools for Interviews?

MHA-3RD SEM
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

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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 happens if you have health insurance through your employer and you leave your job?
6. What other government programs are available in India?

PAPER NAME : LEGAL ASPECTS OF HEALTH
PAPER CODE : MHA (N)-303

1. Write a short note about Donation of bodies.
2. Write a short note on Privileged Communication.
3. Discuss Professional Indemnity Schemes.
4. Discuss 'Every contract is an agreement but every agreement is not a contract.
5. Short note on Contract — Void & Voidable.
6. Discuss Donation of organs Act.
7.

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 $Z = x1 - x2 + 3x3$

4. Subject to the constraints
    a. $x_1 + x_2 + x_3 \le 10$
    b. $2x_1 - x_2 - x_3 \le 2$
    c. $2x_1 - 2x_2 - 3x_3 \le 6$ And $x_1, x_2, x3 \ge 0$.
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. Define HRM in Brief?
2. Why Recruitment is a Positive Process and Selection is Negative Process?
3. Difference between HRM and HRD?
4. 5 Qualities of HR Manager
5. What are the Sources of Recruitment?

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.

MCA-3RD SEM-THEORY
PAPER NAME : SOFTWARE ENGINEERING USING UML
PAPER CODE : MCAN-301

1. What are software development paradigms ?
2. Explain in brief software requirements specification standards.
3. What do you mean by partitioning and projection ?Explain it in brief.
4. Write the short notes on the following : (i) Re-engineering legacy systems.(ii) Coding standards.
5. What do you mean by system testing ? Explain any two system testing.
6. What are the differences between Data flow diagram and Entity relationship diagram ? Explain it.

PAPER NAME : ARTIFICIAL INTELLIGENCE
PAPER CODE : MCAN-302

1. Explain about the Knowledge acquisition.
2. Brief any six applications of expert systems.
3. Explain the various types of learning in problem solving.
4. Explain learning in Decision Tree with example.
5. Describe hierarchical planning method with an example.

PAPER NAME : DESIGN AND ANALYSIS OF ALGORITHM
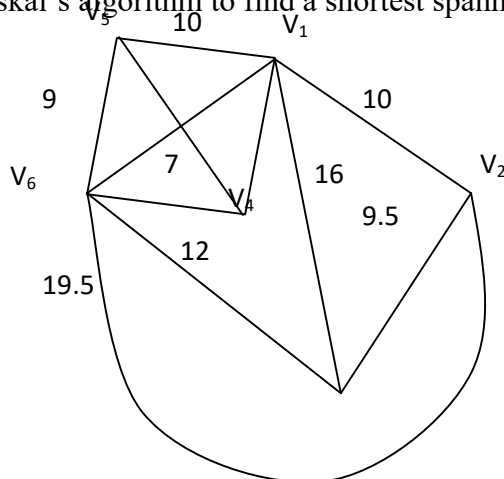### PAPER CODE : MCAN-303

1. Define the terms Best case, Worst case and Average case time complexities.
2. What is the smallest value of n such that an algorithm whose running times is 100n2 runs faster than an algorithm whose running time is 2^n on the same machine?
3. State Master Theorem.
4. Explain the UNION and FIND-SET operations in the linked-list representation of disjoint sets. Discuss the complexity.
5. Explain the advantages of using height Balanced Trees? Explain AVL Rotations.

PAPER NAME : BASIC DATA SCIENCE
PAPER CODE : MCAN-E304F

1. Explain pdf and cdf in detail .
2. Discuss Conditional probability with an example in detail.
3. Explain p-Values with an example.
4. Illustrate central limit theorem with a neat diagram.
5. Describe how data can be manipulated by considering an example.

PAPER NAME : GRAPH THEORY
PAPER CODE : MCAN-E305D

1. Use Kruskal's algorithm to find a shortest spanning tree in the following graph and find its weight.

2. Define the terms with example. Loops, parallel edges, simple graph, multiple graph, adjacent edges.
3. The maximum number of edges in a connected simple graph with n vertices is n(n-1)/2.
4. Draw the graph G corresponding to each adjacency matrix

$$A = \begin{bmatrix} 0 & 1 & 0 & 1 & 0 \\ 1 & 0 & 0 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 \\ 1 & 1 & 1 & 0 & 1 \\ 0 & 1 & 1 & 1 & 0 \end{bmatrix}$$

5. Describe Prims algorithm.
6. Prove that a simple graph with n number of vertices and k number of components can have maximum $\frac{(n-k)(n-k+1)}{2}$ number of edges

MCA-3RD SEM-PRACTICAL
PAPER NAME : BASIC DATA SCIENCE LAB
PAPER CODE : MCAN-E394F

1. What do you understand by true-positive rate and false-positive rate?
2. How is Data Science different from traditional application programming?
3. Explain the difference between Supervised and Unsupervised Learning.
4. What is the difference between the long format data and wide format data?
5. Mention some techniques used for sampling. What is the main advantage of sampling?

BHM-5TH SEM
PAPER NAME : EPIDEMIOLOGICAL TRANSITIONS IN HEALTH CARE
PAPER CODE : BBA (HM)-501

1. Describe Health? & full from of DALY.
2. Discuss about the epidemiological study designs.
3. What is epidemiological triad? Explain in detail.
4. What is epidemiology? & it's use.
5. Differentiate and explain about Epidemic vs. Pandemic.
6. Write a short note on Index case.

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 flowchart of OPD.
6. Difference between support & Utility Services in a Hospital.

PAPER NAME : CONCEPTS OF DIGITAL HEALTH
PAPER CODE : BBA (HM) – 503 B

1. Are There Benefits Of Data Analytics In Digital Health?
2. What challenges still lie ahead for Healthcare's Digital Transformation?
3. Is Digital Health a dead end?
4. Explain the Participants for a Delphi study on maturity of digital public health systems
5. Which are the premier Digital Health Journals?

BCA-5TH SEM-THEORY
PAPER NAME : INTERNET TECHNOLOGY
PAPERCODE : BCAC501

1. What is the difference between HTTP GET and POST methods?
2. What do you mean by void elements in HTML5? Write down at least two examples.
3. Differentiate inline elements and block-level elements with an example.
4. What is the difference between inline style and embedded styles?
5. Write down the usage of z-index property in CSS with an example.
6. How internal linking can be achieved in HTML5? Explain with an example.

PAPER NAME : COMPUTER NETWORKING
PAPER CODE: BCAC502

1. What are the limitations of Arpanet?
2. Explain about the Narrow Band ISDN
3. What is the need of Error Detection and Correction in Data Link Layer?
4. Explain in detail about the Flooding.
5. What are the different network security techniques?

PAPER NAME : THEORY OF COMPUTATION
PAPER CODE : BCAD501F

1. Compare the transition functions of NFA and DFA.
2. What is a Moore machine? How is it different from mealy machine?
3. Prove the equivalence of regular expression and Finite state automata.
4. What is Myhill Nerode Theorem?
5. Draw a six state DFA which can be minimized to a three state DFA where set of input symbols is {a, b, c}. Draw both the DFAs. Assume whatever is required.

BCA-5TH SEM-PRACTICAL
PAPER NAME : INTERNET TECHNOLOGY LAB
PAPER CODE : BCAC591

1. What do you mean by DOM Collections? Explain with examples.
2. Write a JavaScript function to accept a numeric array as input parameter and display the largest number in the array. Also call the function in an HTML page.
3. Write a JavaScript program to find the sum of squares of 10 numbers. The script should accept the numbers from the user.
4. What do you mean by registering an event handler? Explain with an example.
5. Explain the different methods of positioning CSS elements.

PAPER NAME : COMPUTER NETWORKING LAB
PAPER CODE : BCAC592

1. Explain briefly about the Persistent and Nonpersistent CSMA protocols.
2. Differentiate between Virtual Circuit Versus Datagram Subnets
3. Describe the General principles of Congestion Control.
4. Explain in detail about the Micro Wave Transmission.
5. Describe Wide Area Networks and its Components.

BBA-5TH SEM
PAPER NAME: FINANCIAL MANAGEMENT & RISK ANALYSIS
PAPER CODE : BBA-501

1. Discuss the advantages and disadvantages of LIFO method.
2. Differentiate Job costing and Batch costing.
3. State the assumptions taken while applying the EOQ.
4. Explain the essential characteristics of a good cost accounting system.
5. Briefly explain Labour Turnover.
6. What do you understand by material control? Explain the need for material control in a printing press.

PAPER NAME: ENTREPRENEURSHIP
PAPER CODE : BBA(BA)502

1. Discuss the different types of Entrepreneurs?
2. What are the problems faced by the Women Entrepreneurs?
3. What is Entrepreneurship Development?
4. What is the role of the Entrepreneurship in economic development?
5. What are the biggest challenges to being an entrepreneur?

PAPER NAME: CONSUMER BEHAVIOUR
PAPER CODE : BBA 503A

1. What Is Consumer Behaviour?
2. What Are The Motives Which Influence Purchase Decision?
3. Difference between Consumer vs. Customer
4. Write in brief the functions of Consumer Behaviour?
5. What is Consumer Motivation

PAPER NAME : BUSINESS INTELLIGENCE
PAPER CODE: BBA – 504 (B)

1. What are the advantages of making decision using business intelligence over making decision without business intelligence?
2. Explain important of effective & timely decision.
3. Explain important of effective & timely decision.
4. Explain logical structure of decision making process.
5. What is decision support system (DSS)? Explain representation of DSS.