INSTITUTE OF SCIENCE & TECHNOLOGY
ASSIGNMENT QUESTIONS
BBA (HM) -1ST SEM
PAPER NAME:- HOSPITAL OPERATIONS MANAGEMENT
PAPER CODE : BBA(HM)101

1. Describe in brief about TPA.
2. Describe Job responsibilities of a hospital operations manager.
3. Describe the planning consideration, location, flowchart of functions, physical infrastructure and facilities needed in an OPD.
4. Discuss about the OT.
5. Write a short note on MRD

PAPER NAME: HOSPITAL & HEALTH SYSTEMS
PAPER CODE: BBA(HM)102

1. Hospital viewed as a system.
2. Briefly discuss the roles of a hospital.
3. Explain the different levels of health care.
4. Discuss Importance of hospitals in society.
5. Describe the present state of hospitals in India
6. Write down a short note on classification of hospitals & Discuss Teaching hospital & Super specialty.

PAPER NAME: PRINCIPLES OF MANAGEMENT
PAPER CODE: BBA(HM)103/GE5B-01

1. Discuss various approaches of span of management and their limitations. What are the factors determining span of management?
2. Define group. What are the types of group? Explain the five stage model of group development.
3. Define Planning. What are the steps involved in planning process? Discuss the merits and demerits of planning.
4. What do you mean by 'Management'? What is importance of management? Briefly describe Fayol's Fourteen (14) Principles of Management.
5. What is motivation? What are the importances of motivation in an organization? Briefly explain Maslow's hierarchy of needs theory.

PAPER NAME: BUSINESS COMMUNICATION
PAPER CODE: BHM(N)104

1. **Change the direct speech into indirect**;
   a) She said, "sit down, boys".
   b) The leader said, "Cast your vote, friends"
   c) He said, "What a lovely garden!"
2. What is Communication? Explain the objectives of communication.
3. **Convert the following active voices into passive**:
   a) Nobody had seen her smile.
   b) His conduct annoyed me.
   c) The rose smells sweet.
4. You are the HR manager of an organisation. Write a memo to be circulated informing employees about an upcoming meeting on the annual sales report.
5. Mention in brief how to overcome the barriers of communication.
6. Wanted 'Chief Assistant' for a renowned health care in Kolkata. The candidates should have the good academic record with experience of minimum 1 year in the respective field. This is an advertisement published in The Telegraph a week ago. Now write a job application with CV.
7. What are the different types of listening?
8. What are the important steps in preparing an effective oral presentation?
9. Write a short note on the nature and importance of group discussion.

10. **Correct the following sentences :**
    a) Rani have just come from college.
    b) He would have reached here before sunset.

BBA-1ST SEM
PAPER NAME : PRINCIPLES OF MANAGEMENT
PAPER CODE : BBA -101

1. Briefly explain the Big Five Model.
2. Explain the concept of authority and responsibility
3. What do you mean by Management by Objectives (MBO)?
4. Discuss various approaches of span of management and their limitations. What are the factors determining span of management?
5. Define group. What are the types of group? Explain the five stage model of group development.
6. Define Planning. What are the steps involved in planning process? Discuss the merits and demerits of planning.

PAPER NAME : BUSINESS ECONOMICS(MACRO & MICRO)
PAPER CODE : BBA-102

1) Describe the Price Elasticity of demand.

2) How Price Elasticity and Total Revenue are related to each other?

3) What are the factors affecting Price Elasticity of Demand?

4) How Elasticity generally varies along a demand curve?

5) What are the basic concepts of Production Theory?

6) Describe Technical Efficiency and Economic Efficiency.

7) What are Fixed and Variable Proportions?

PAPER NAME : MATHEMATICS AND STATISTICS
PAPER CODE : GE3B-03

1 solve the equation $|(x-2)|=7$

2. *If* $x + y = 2$ *and* $x - y = 1$ *find the value of* $8xy$ (x^2+y^2).

3. Resolves into factors a^4-6a^2+1.

4 . Resolve into fectors x(x-2)(2x+1)(2x-3)-63.

5. Show that $\sqrt{3}$ *is not a rational number* .

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BCA-1ST SEM
PAPER NAME : PROGRAMMING FOR PROBLEM SOLVING
PAPER CODE : BCAC101

1. What is an operating system? List out its goals and functions.
2. Mention the advantages and disadvantages of arrays.
3. What is the purpose of feof( ) function?
4. Write the syntax and purpose of malloc( ) function.
5. Write an algorithm to find the maximum number in a given set.

PAPER NAME : DIGITAL ELECTRONICS
PAPER CODE : BCAC-102

1. Draw the circuit diagram of D/A converter.

2. Briefly explain the Duality statement in Digital-Electronics.

3. Write a short note on: 2's complement.

4. What is the difference between Logic symbol and truth table of the different logic gates?

5. Briefly explain the difference between the decimal and hexa-decimal number system.

6. Explain BCD number system.

PAPER NAME : SOFT SKILLS
PAPER CODE : BCAA101

1. Describe different types of reports and cite example.
2. Write a proposal to the head of your institution regarding the introduction of a course on computer literacy for all students.
3. Briefly discuss about the nature and importance of group discussion.
4. You are the Sales Manager of Apex Mattresses Ltd, New Delhi. Your company has purchased 200 mattresses from Steel co Furniture, Kolkata, but out of 200 mattresses 165 are damaged. Now write a letter to Steel co Furniture.
5. Write few lines about Artificial Intelligence.
6. Describe the features of effective speech process.

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?

BCA-1ST SEM (PRACTICAL)

PAPER NAME : PROGRAMMING FOR PROBLEM SOLVING LAB
PAPER CODE : BCAC191

1.What is precedence and associatively in an expression? What is their need?

2. Write down the significance of break statement inside a switch statement.

3. Discuss the concept of type conversion in C.

4.What are command-line arguments? Explain briefly.

5.Differentiate between structure and union in C.

PAPER NAME : DIGITAL ELECTRONICS LAB
PAPER CODE : BCAC-192

1. Explain the operation of Shift-registers?

2. Explain the Boolean - algebra in Digital Electronics.

3. Sketch with neat diagram of full-adder circuit for Digital signals?

4. Deduce the difference between Logic symbol and truth table of the different logic gates.

5. Draw & Explain the circuit diagram of Johnson counter.

6. Differentiate 1's complement over 2's complement.

MHA-1ST SEM

PAPER NAME : BASIC CONCEPTS OF HEALTH
PAPER CODE : MHA-101

1. Define health. What are the determinants of health? Discuss in detail the dimension of health.

2. Define disease. What are the agent factors of disease? Discuss the natural history of disease.
3. Define Health. Elaborate different dimensions of Health.
4. What is the positive Health? What is the spectrum of health? Discuss the detail Concept of well-being.
5. Discuss brie fly the levels of prevention. What are the different modes of intervention of disease?
6. What do you understand by health indicators? Briefly describe any three health indicators. How Health Indicators can influence the health planning of a country.
7. What are the levels of Health Care? Discuss briefly Primary Health Care.

PAPER NAME : HEALTH CARE SERVICES
PAPER CODE : MHA-102

1. What is NRHM? What are the aims and mission of NRHM? Discuss the plan of action to strengthen the infrastructure.
2. What is a National Health Policy? What are the different important issues of the latest National Health Policy of India?
3. Discuss RNTCP. What are the main strategies adopted under DOTS to control TB from our country?
4. Discuss in brief the different phases of National AIDS Control programme, Describe the role of NACO in this report.
5. What is the Population Policy? What are the different important issues of the latest National Health Policy of India?

PAPER NAME : EPIDEMIOLOGY & HEALTH CARE IN ITS CHANGING SCENARIO
PAPER CODE : MHA-103

1. What do you understand by levels of health care? Discuss in detail the secondary and tertiary care of our country.
2. What is Epidemiology? Describe in detail about methods of epidemiology.
3. Explain the agent, Host, and Environmental factors for any non- communicable disease. What is the National Immunization Schedule? Discuss briefly the hazards of wrong immunization.
4. Discuss level of health care. Discuss in detail the public health care system of our country
5. What is non-communicable disease? Explain the risk factors of non-communicable disease. Discuss the epidemiology of cardiovascular diseases
6. Describe the Epidemiological determinations, modes of transmission and prevention and control measures of dengue.
7. What is Globalization? Discuss the advantages and disadvantages of Globalization in the health care sector.

PAPER NAME : HEALTH EDUCATION & HEALTH COMMUNICATION
PAPER CODE : MHA-104

1. What is mass media? Describe the various types of mass media used for communication and explain the advantages and disadvantages of them.
2. What is NIC? What is health care reporting? Discuss what you know about the contribution of NIC in health care.
3. What is health education? Describe and give suitable examples of the various levels of health education which are provided by the health care personnel in the community.
4. Define communication. Discuss various types of barriers to communication and explain how the barriers can be overcome, give examples from the health care institutions.
5. What are the principles of communication that should be included in principles of health education in order to attain the desired health promotion?

PAPER NAME: PRINCIPLES OF MANAGEMENTAND ORGANIZATION BEHAVIOR
PAPER CODE: MHA(N)-105

1. What is MBO? Discuss the process of MBO with process charts.
2. Assess the contributions of Henry Fayol to the development of management thought.
3. Draw and explain the structure of a matrix organization.
4. Write a short note on planning process.
5. What is organization? Give the steps of organizing. Draw a typical organization chart for a large multidisciplinary hospital.
6. What are the skills required of a successful manager?

PAPER NAME: FINANCIAL MANAGEMENT
PAPER CODE: MHA(N)-106

1. Briefly explain Labour Turnover.
2. Discuss the advantages and disadvantages of LIFO method.
3. Differentiate Job costing and Batch costing.

4. What do you understand by material control? Explain the need for material   control in a printing press.
5. Explain the essential characteristics of a good cost accounting system.

MCA-1ST SEM (THEORY)
PAPER NAME: PROGRAMMING CONCEPT WITH PYTHON
PAPER CODE: MCAN-101

1. What is the difference between list and tuples in Python?
2. What are the key features of Python? with examples.
3. What is the Main Function in Python and how to use it? Explain.
4. Stack in Python: How, why and where use?
5. What is Python JSON and implement it?
6. How to make python pattern programs with examples.

PAPER NAME: RELATIONAL DATABASE MANAGEMENT SYSTEM
PAPER CODE: MCAN-102

1. What is the difference between RDBMS and DBMS?
2. What is a Schema & E-R model? With example.
3. What are the different types of relationships in DBMS? Example anyone.
4. Discuses about UNION, MINUS, and INTERSECT commands in DBMS.
5. What is a Deadlock in DBMS and what are the deadlock avoidance, detection, and prevention techniques?
6. What are B trees & B+ trees?

PAPER NAME: COMPUTER ORGANIZATION AND ARCHITECTURE
PAPER CODE: MCAN-103

1. Describe with diagram 8086 architecture .
2. What is RISC and CISC, Compare RISC versus CISC.
3. Write the Control Unit: Micro-Operations - Control of Processors.
4. Write down the Floating Point Representation and Arithmetic.
5. Explain CPU: Organization of Processors and Registers
6. What is Vector Processing Requirements? Characteristics of vector processing, Multiple vector task write down.

PAPER NAME: DISCREATE MATHEMATICS
PAPER CODE: MCAN-104

1 Using principle of inclusion and exclusion, show that for any three sets A, B, and C, n(A U B U C) = n(A) + n(B) + n(C), if they are pairwise mutually disjoint

2. . Describe Prims algorithm

3 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

4 .Prove that the maximum number of edges in a connected simple graph with n vertices is n(n-1)/2

5. Prove that in a tree there is one and only one path between every pair of vertices.

PAPER NAME: ENVIRONMENT AND ECOLOGY
PAPER CODE: MCAN-E105A

1) Describe food chain with example.

2) Describe exponential growth rate and logistic growth rate.

3) Describe ecological balance.

4) Describe Carbon cycle with diagram .

5) Give the name of two green house gases and describe their detrimental effect.

6) Describe BOD_5 test.

7) How solid wastes are controlled in the municipal area?

8) Describe different types of noise. How they can be measured?

MCA-1ST SEM (PRACTICAL)

PAPER NAME: SOFT SKILL AND INTERPERSONAL COMMUNICATION
PAPER CODE: MCAN190

1. What do you understand by the term "non-verbal communication". Discuss the importance of on-verbal communication?
2. Discuss about the characteristics of successful group discussion?
3. State the importance of public speaking. Imagine yourself to be the CEO of your company and you have to address the Board of Directors at a meeting regarding the expansion of company. Now prepare a speech.

PAPER NAME: PROGRAMMING CONCEPT WITH PYTHON LAB
PAPER CODE: MCAN-191

1. Print First 10 natural numbers using while loop.

2. Display Fibonacci series up to 10 terms.

3. Find the sum of the series up to n terms.

4. Reverse a given integer number.

5. Create a string made of the first, middle and last character.

6. Create a function with variable length of arguments.

PAPER NAME: RELATIONAL DATABASE MANAGEMENT SYSTEM LAB
PAPER CODE: MCAN-192

1. Write a program is creating a table using in simple queries.

2. Write a program using with aggregate function and set function.

3. Write a program using the correlated sub queries.

4. Write a program using different views operations.

5. Write a program in PL/SQL using trigger concept.

6. Write a program in PL/SQL using function.