INSTITUTE OF SCIENCE & TECHNOLOGY MANAGEMENT

ASSIGNMENT QUESTION FOR ODD SEM 2024

BCA-1ST SEM - THEORY

PAPER NAME:DIGITAL ELECTRONICS
PAPER CODE:BCAC101

1. Explain the DeMorgan's Theorem and Consensus Theorem.
2. Explain the designing procedure of Master Slave JK Flip-Flop with suitable diagram?
3. Simplify the following Boolean function, using three-variable maps: $F(x, y, z) = \sum(0,2,6,7)$.
4. Explain why is a four-bit adder circuit implemented with full adders and also describe the designing procedure?
5. Explain full- Adder in details and also implement a full- Adder using half Adders.
6. Explain 2 input X-OR and X-NOR gates using only NOR gates and only NAND gates.
7. Explain a four-bit binary adder circuit with relevant diagram.
8. Describe in detail a 4 – bit parallel adder/subtractor.

PAPER NAME: PROGRAMMING FOR PROBLEM SOLVING THROUGH C
PAPER CODE:BCAC102

1. Write a program to print a pattern using nested loops (e.g., a pyramid or diamond pattern) and explain the logic behind the program.
2. Define recursion in C. Write a recursive program to calculate the factorial of a number and discuss the base case and recursion flow.
3. Explain the scope and lifetime of variables in C with examples of local, global, and static variables.
4. Explain the concept of multidimensional arrays. Write a program to perform matrix addition and multiplication.
5. Explain dynamic memory allocation in C. Write a program to allocate memory dynamically for an array, perform operations, and free the memory.
6. Write a program to print a pattern using nested loops (e.g., a pyramid or diamond pattern) and explain the logic behind the program.
7. Discuss in detail the role of preprocessors, compilers, and linkers in C programming.
8. Compare and contrast "if-else," "nested if," and "switch-case" statements in C. Write programs for each to calculate the grade of a student based on marks.

PAPER NAME: PRINCIPLES OF MANAGEMENT
PAPER CODE:MIM101

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: ENGLISH & PROFESSIONAL COMMUNICATION
PAPER CODE: AECC101

1. Write a short note about the importance and Barriers of communication.
2. What is presentation Skill? Write the structure of presentation Shill?
3. What is Rending Skills? What are the purposes of Reading Skill?
4. What is Accent and voice Modulation? Write the Strategies of communication?
5. Write a Short note about the elements and purposes of Communication.
6. What is Articulation and Syllables in Reading Skill?
7. What is the role of Body language in communication?
8. What are the differences between phrases and clauses?
9. What is interview and what are the types of interview?
10. What is Group Discussion? What are the purposes of Group Discussion?

PAPER NAME: BASICS OF EVOLUTIONARY BIOLOGY
PAPER CODE: GE 1B-07

1. Explain the Origin of life.
2. Write a short note on Natural Selection.
3. Explain the process of Human Evolution.
4. Write a short note on Mutation.
5. Discuss Hardy Weinberg Equllibrium .
6. Write down the difference between prokaryotes and eukaryotes.

BCA-1ST SEM- PRACTICAL
PAPER NAME: DIGITAL ELECTRONICS LAB
PAPER CODE: BCAC191

1. Draw and explain basic gates using Universal logic gates.
2. Design simple Decoder and Multiplexer circuits using logic gates.
3. Design of combinational circuit for BCD to decimal conversion to drive 7-segment display using multiplexer.
4. Draw and explain RS-JK and D flip-flops using Universal logic gates.
5. Implement adder circuit using Shift Register and full Adder.
6. Draw a Universal Register using multiplexer and flip-flops.
7. Explain code conversion circuits- BCD to Excess-3and vice- versa.

PAPER NAME:PROGRAMMING FOR PROBLEM SOLVING LAB
PAPER CODE: BCAC192

1. Write a C program to input angles of a triangle and check whether triangle is valid or not.
2. Write a c program to find the factorial of a given number.
3. Write a c program to find whether a number is prime or not.
4. Write a c program to print the reverse of a number.
5. Write a c program to print the fibonacci series in a given range.
6. Write a c program to check whether a number is an Armstrong number or not.
7. Write a c program to find g.c.d. and l.c.m. of two numbers.
8. Write a C program that writes "hello File Handling" to the File.

PAPER NAME: LIFE SKILLS & PERSONALITY DEVELOPMENT
PAPER CODE: SEC181

1. What is personality development?
2. Mention some tips to improve personality.
3. State importance of personality development.
4. What do you mean by "skills"?
5. What are life skills?
6. Mention any six life skills.
7. What are the do's and don'ts of group discussion?

BBA-1ST SEM - THEORY
PAPER NAME:PRINCIPLES OF MANAGEMENT
PAPER CODE:BBACO-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 - MICRO
PAPER CODE:BBACO-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?
8. Describe The Law of Demand.

PAPER NAME:COMPUTER FUNDAMENTAL
PAPER CODE:MIC-101

1. Explain the differences between hardware and software, and provide examples of each. And explain their interdependence in a computer system.
2. Discuss the different types of memory (primary and secondary storage) in a computer system. Explain the characteristics, uses, and differences between RAM, ROM, EPROM, hard disks, and CD-ROMs.
3. Explain the different types of input and output devices used in modern computers. Discuss their functions and provide examples of where they are commonly used.
4. Explain the structure and components of the Central Processing Unit (CPU). And explain the roles of the Control Unit (CU), Arithmetic and Logic Unit (ALU), and registers in the execution of programs.
5. Explain the basic idea of an operating system (OS). Discuss the functions of an OS as a resource manager and describe how it manages memory, input/output operations, and processor scheduling.
6. Compare and contrast different types of operating systems such as DOS, Windows, Unix, and Linux. Discuss their features, advantages, and limitations.

7. Explain the concept of algorithms in computer science. And explain the importance of designing efficient algorithms and provide an example of an algorithm to sort a list of numbers.
8. Discuss the different types of computer networks: LAN, WAN, and MAN. And explain their key characteristics, differences, and typical use cases.

PAPER NAME: ENGLISH & PROFESSIONAL COMMUNICATION
PAPER CODE:AECC-101

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3. What is Rending Skills? What are the purposes of Reading Skill?
4. What is Accent and voice Modulatiom? Write the Strategies of communication?
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PAPER NAME: BASICS OF EVOLUTIONARY BIOLOGY
PAPER CODE:GE 1B-07

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3. Explain the process of Human Evolution.
4. Write a short note on Mutation.
5. Discuss Hardy Weinberg Equllibrium .
6. Write down the difference between prokaryotes and eukaryotes.

BBA-1ST SEM- PRACTICAL
PAPER NAME: LIFE SKILLS & PERSONALITY DEVELOPMENT
PAPER CODE:SEC-181

1. What is personality development?
2. Mention some tips to improve personality.
3. State importance of personality development.
4. What do you mean by "skills"?
5. What are life skills?
6. Mention any six life skills.
7. What are the do's and don'ts of group discussion?

BBA(HM)-1ST SEM - THEORY
PAPER NAME: HOSPITAL OPERATIONS MANAGEMENT & PLANNING
PAPER CODE: BBA (HM) 101

1. What is the role of hospital planning?
2. What are the main components of hospital operations?
3. What are the challenges in hospital operations and how can be they be   overcome?
4. How does hospital accreditation affect operations and planning?
5. What is a hospital and what are the main types of hospital?

PAPER NAME: ACCOUNTS
PAPER CODE: BBA (HM) 102

1. Define all the four nature of accounting.
2. Role of accountant in today's environment and how they help management?
3. Journal vsLegder.
4. Give details about the asset side and liability Side of the balance sheet of the company.
5. Discuss the importance of Financial Statement.
6. Determine the cost of production of the product :-
   Opening stock of raw materials - Rs. 12500
   Closing stock of raw materials - Rs. 10500
   Purchase of raw materials - Rs. 28000
   Direct wages - Rs. 15000
   Work overhead - 120% of direct wages
   Administrative overhead - 20% of work cost
   There is no opening and closing stock of work-in-progress and finished goods.

PAPER NAME: PRINCIPLES OF MANAGEMENT
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PAPER NAME: ENGLISH & PROFESSIONAL COMMUNICATION AND SOFT SKILL
PAPER CODE:AECC101

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10. What is Group Discussion? What are the purposes of Group Discussion?

BBA(HM)-1ST SEM- PRACTICAL
PAPER NAME:LIFE SKILLS & PERSONALITY DEVELOPMENT
PAPER CODE:SEC181

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MHA-1ST SEM - THEORY
PAPER NAME:BASIC CONCEPT OF HEALTH
PAPER CODE:MHAN101

1. What is Health and its types?
2. Describe the components of Medical Term with example.
3. What is Anatomy and Physiology and it's difference?
4. Short note on-
    a) Respiratory System
    b) Digestive System
    c) Nervous System

PAPER NAME: HEALTH CARE SERVICES
PAPER CODE: MHAN102

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?
6. What do you know about the National Family Welfare Programme? What are the objectives of National Family Welfare Programme?
7. Describe the different phases to control Malaria under NMEP. Discuss the cause for resurgence of malaria.

PAPER NAME:EPIDEMOLOGY & HEALTHCARE IN ITS CHANGING SCENARIO
PAPER CODE: MHAN103

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.
8. What is immunization? Describe different typesos vaccines with examples.

PAPER NAME: HEALTH EDUCATION & HEALTH COMMUNICATION
PAPER CODE: MHAN104

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?
6. Describe the various educational methods of effective health promotion generally used in rural and urban areas.

PAPER NAME: PRINCIPLES OF MANAGEMENT & ORG. BEHAVIOR
PAPER CODE: MHAN105

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 MANAGMENT
PAPER CODE: MHAN106

1. Short note on GAAP.
2. Difference between Journal and Ledger.
3. 'Every Manager has to take three major decisions while performing the finance function' - briefly explain them.
4. What is the concept of financial management that increases the return to equity shareholders?
5. Why Capital budgeting decision are more important?
6. "To avoid the problem of shortage and surplus of funds, what is required in Financial management? Name the concept and explain four points of importance.