### **INSTITUTE OF SCIENCE & TECHNOLOGY**

### **ASSIGNMENT QUESTION**

**BBA(HM)-2ND SEM** 

# PAPER NAME: MEDICAL TERMINOLOGY PAPER CODE: BBA(HM)-201

- 1. 1 Describe the blood circulation in the heart.
- 2. Define hormone. Describe briefly about the different hormones secreted from pituitary gland and their functions.
- 3. Different between a malignant and a benign tumor. Explain the of the term  $T_1 N_2 M0_{in}$  Oncology? What are the types of cancer treatment available today?
- 4. What are the components of cardiovascular system? Describe the process of blood circulation. What are the functions of blood?
- 5. What is neuron? Draw and describe the different parts of a neuron..
- 6. What are the different types of muscle? Mention their locations into the body and their functions. What are the different types of joints present in our body? Explain their locations.
- 7. What is Malignancy?
- 8. What is Heart Blockage?
- 9. Difference between Artery and Vein
- 10. What is Blood Circulation?

### PAPER NAME: HOSPITAL OVERVIEW PAPER CODE: BBA (HM)-202

- 1. Describe the changing need of a modern hospital.
- 2. Describe the classification of Hospital in India.
- 3. Effective Hospital functioning need good Managerial Activities-Discuss it.
- 4. Write a short note on OPD.
- 5. Write a short note on levels of care.
- 6. Write down the effects of Globalization in our Hospital.
- 7. What are the functions of OT?
- 8. Challenges faced by the Private Hospital
- 9. Write short notes on CSSD
- 10. Functions of IPD

### PAPER NAME: ENVIRONMENTAL SCIENCE AND SUSTAINABLE DEVELOPMENT PAPER CODE: BBA (HM)-204

- 1. Is environmental science important? Why or why not?
- 2. Should environmental science be important to society? Why or why not?
- 3. Difference between renewable and non renewable energy resources
- 4. Structure and functions of an ecosystem
- 5. Write a short note on Climate change and global warming.
- 6. What is Water Pollution?
- 7. What are effects of Air Pollution?
- 8. Causes of Water Pollution
- 9. What is Ecology?
- 10. Ecological Triads

PAPER NAME: PROBABILITY & STATISTICS

#### **PAPER CODE: GE-3B-10**

- 1. Two urns contain respectively 5 white, 7 black balls, and 4 white and 2 black balls. One of the urns is selected by the toss of a fair coin and then 2 balls are drawn without replacement from the selected urn. If both balls drawn are white, what is the probability that the first urn is selected?
- 2. The chance that a doctor will diagnose a certain disease correctly is 60%. The chance that a patient will die by his treatment after correct diagnosis is 40% and the chance of death by wrong diagnosis is 70%. A patient of the doctor who had the disease dies. What is the probability that the disease was diagnosed correctly?
- 3. write the bionomial distribution
- 4. If there is a war every 15 years on the average ,then find the probability that there will no war in 25 years.
- 5. The random variable X is uniformly distributed in (0,1). Find thet disribution of Y =-log x
- 6. What are Magnetisation, magnetic permability and magnetic susceptibility.

#### **BBA-2ND SEM-THEORY**

PAPER NAME: OPERATIONS MANAGEMENT PAPER CODE: BBA-201

- 1. Define Operations Management
- 2. What is Supply Chain Management?
- 3. What Work Simplification
- 4. What is TQM
- 5. Define Quality Management
- 6. What is EOQ?
- 7. What is Purchase Management?
- 8. Total Productive Maintenance
- 9. Economic Survey of Site Selection
- 10. What is Buying Decision

### PAPER NAME : ORGANIZATIONAL BEHAVIOR PAPER CODE : BBA 202

- 1. Define Organizational Behavior?
- 2. What is meant by saying that Organization is a System?
- 3. State the Contributing discipline of OB
- 4. What should be the need for knowledge of OB to practicing manager?
- 5. Explain the Big Five model of Personality.
- 6. What is leadership?
- 7. What is Perception?
- 8. Difference between Attitude and Behavior.
- 9. What is Inter-personal Behavior?
- 10. Objective of Interpersonal Behavior.

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- 3. Difference between renewable and non renewable energy resources
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- 8. Causes of Water Pollution
- 9. What is Ecology?
- 10. What Ecological Triads?

# PAPER NAME : HEALTH EDUCATION & COMMUNICATION PAPER CODE : GE-1B 03

- 1. Discuss about Concept of health and health education.
- 2. What are the needs of health education in our country?
- 3. Environmental education is important our health education-discuss it.
- 4. Write a short note on Scope of health education
- 5. Write down the concept about interrelationship between different aspects of health, population and environment?
- 6. What are the barriers of Communication?
- 7. Difference between Health Education and Health Communication?
- 8. Feed back and its significance in health communication
- 9. .Opportunities for health education
- 10. Approaches to public health

#### MHA-2ND SEM

# PAPER NAME : HOSPITAL SUPPORT SERVICES PAPER CODE : MHA-201

- 1. Write a short note on patient safety.
- 2. Write a note on type of hospital diet.
- 3. Write a short note on Drug and Cosmetic act.
- 4. Discuss the problem areas and problem solution for house- keeping department.
- 5. State the role and function of hospital pharmacy.
- 6. List the various functions of Mortuary.
- 7. Write down the Physical Infrastructure of OPD
- 8. Write down the Managerial issues of OT
- 9. What are the Equipment required for Emergency Department?
- 10. What are the Functions of a Operation Manager of a Hospital?

# PAPER NAME: MATERIALS MANAGEMENT PAPER CODE: MHA -202

- 1. Explain the role of standardization and codification in managing materials.
- 2. Explain the concept of and derivation of EOQ model.
- 3. Describe methodology for carrying out ABC and FSN analysis.
- 4. Challenges faced by the inventory control officer in a Hospital?

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- 5. Discuss about Discarded Materials?
- 6. What is Material Forecasting?
- 7. What is Purchase Cycle?
- 8. What is Gantt chart?
- 9. What are the legal aspects of Purchasing?
- 10. What is Logistic Management?

### PAPER NAME: QUALITY MANAGEMENT PAPER CODE: MHA (N) - 203

- 1. Explain detail about QMS in hospital.
- 2. Explain the Techniques to be followed the Hospital Quality Management.
- 3. Explain Elements of TQM.
- 4. Write detail about Quality in Core and support services?
- 5. Explain various types of Audit conducted in Hospitals.
- 6. Define IPO Audit-A process flow chart.
- 7. Short notes on
- (a) Pareto chart
- (b) I/O cause and Effect diagram
- 8. What is Benchmarking?
- 9. Short Notes on Deming's Principle
- 10. Short Notes on NABH

### PAPER NAME: HOSPITAL PLANNING PAPER CODE: MHA (N) 204

- 1. What is Equipment Management of a Hospital
- 2. Draw the Equipment Management Cycle?
- 3. Point out Medical Equipment Management Process
- 4. Figure out the stages of Equipment Procurement process?
- 5. What is the Method of Demand Estimation
- 6. What are the Principles of Equipment Planning?
- 7. Codification and classification of equipments
- 8. What are Surplus and obsolete equipment
- 9. What are the Common Medical Equipments Used In Hospital?
- 10. Manpower planning requirement for a 50 bedded hospital and teaching hospital

### PAPER NAME : HEALTH MANAGEMENT INFORMATION SYSTEM PAPER CODE : MHA (N)-205

- 1. What is HIS? Describe briefly about physical facilities and operational planning of HIS Department. How can HIS be used in evaluating quality of care?
- 2. What is the Medical Audit? Describe the various methods of health care.
- 3. Discuss the Advanced computer applications in the field of Health care.
- 4. What are the different types of records of reports generated by MRD? Explain their uses. Why do you think hospital statistics are essential?
- 5. Explain the qualification and job responsibility of medical record officer.

- 6. What is hospital information system? What are the basic management cycles of a hospital? Discuss the different types of hospital information system in any hospital.
- 7. What is Census? Describe the components of a comprehensive health information system.
- 8. What is a DBMS? Need for using DBMS?
- 9. Evolution of DSS
- 10. Concept of BPO, KPO

# PAPER NAME: RESEARCH METHODOLOGY & QUANTATIVE METHODS PAPER CODE: MHA (N)-206

- 1. Write the Graphical solution method of an LP problem.
- 2. Explain the extreme point solution method.
- 3. Describe Newton's backward difference method.
- 4. Discuss about solution method of assignment problem.
- 5. explain the transportation algorithm.
- 6. Write down Gauss Elimination method.

#### MCA-2ND SEM-THEORY

### PAPER NAME: DATA STRUCTURE WITH PYTHON PAPER CODE: MCAN-201

- 1. When doubly linked list can be represented as circular linked list? Define List ADT.
- 2. How polynomial manipulations are performed with lists? Explain the operations.
- 3. Distinguish between stack and queue.
- 4. Explain array based implementation of stacks
- 5. Define Tree. Explain the tree traversals with algorithms and examples.
- 6. Explain Heap tree ADT in detail.

### PAPER NAME : OPERATING SYSTEM PAPER CODE : MCAN-202

- 1. Explain any three main functions of an Operating System.
- 2. What are the advantages of inter-process communication and also explain various implementations of inter-process communication?
- 3. What is a System call? Explain in detail the system call sequence to copy the contents of one file to another file.
- 4. What are the advantages of inter-process communication? How communication takes place in a shared-memory environment? Explain.
- 5. Define the hardware instruction Test And Set() and Swap() also give the mutual exclusion implementation with both.
- 6. Define Virtual Memory. Explain the process of converting virtual addresses to physical addresses with a neat diagram.

### PAPER NAME : OBJECT ORIENTED PROGRAMMING WITH JAVA PAPER CODE : MCAN-203

- 1. Explain features of JAVA. Compare ii) String class and StringBuffer class.
- 2. Explain the use of BigInteger and BigDecimal with the help of programs.
- 3. What is Wrapper class in Java? Explain with examples.
- 4. What is constructor? What are the rules for creating constructor in java?

- 5. Explain constructor overloading using example.
- 6. Differentiate Method Overloading and Method Overriding with example.

PAPER NAME: NETWORKING PAPER CODE: MCAN-204

- 1. Explain about the Narrow Band ISDN.
- 2. Explain in detail about the Flooding.
- 3. Describe Wide Area Networks and its Components.
- 4. Explain in detail about the Micro Wave Transmission.
- 5. Describe Flow Control and Buffering in Transport Layer.
- 6. Explain briefly about the Persistent and Nonpersistent CSMA protocols.

### PAPER NAME: INTRODUCTION TO IOT PAPER CODE: MCAN-E305D

- 1. Explain with neat diagram, The oneM2M IoT Standardized Architecture.
- 2. Explain genesis of IoT in Detail.
- 3. What is IoT? Explain Evolutionary Phases of the Internet.
- 4. Explain in detail, Impact of IoT in Real World.
- 5. What does IOT and Digitization mean? Elaborate on this concept.
- 6. Explain convergence of IT and OT. And differentiate between IT and OT.
- 7. Explain Drivers Behind New Network Architectures.

#### MCA-2ND SEM-PRACTICAL

#### PAPER NAME : DATA STRUCTURE WITH PYTHON LAB PAPER CODE : MCAN-291

- 1. Write a C program to perform searching operations using linear and binary search.
- 2. Write a C program to sort the elements using bubble sort, insertion sort and radix sort.
- 3. Construct an expression tree for the expression (a + b \* c) + ((d \* e + 1) \* g). Give the outputs when you apply preorder, inorder and postorder traversals.
- 4. Write a C program for linked list implementation of list.
- 5. Write the program for array implementation of lists
- 6. Explain the steps involved in insertion and deletion into a singly and doubly linked list.

### PAPER NAME : OPERATING SYSTEM LAB PAPER CODE : BBA (HM)-501

- 1. With a neat diagram, explain various states of a process.
- 2. Discuss various issues involved in selecting appropriate disk scheduling algorithm.
- 3. How communication takes place in a shared-memory environment? Explain.
- 4. Assume the following workload in a system:

Process	Arrival Time	Burst Time
P1	5	5

P2	4	6
P3	3	7
P4	1	9
P5	2	2
P6	6	3

Draw a Gantt chart illustrating the execution of these jobs using Round robin scheduling algorithm and also Calculate the average waiting time and average turnaround time.

- 5. Given free memory partitions of 100 K, 500 K, 200 K, 300 K, and 600 K (in order), how would each of the First-fit, Best-fit, and Worst-fit algorithms place processes of 212 K, 417 K, 112 K, and 426 K (in order)?
- 6. A disk drive has 200 cylinders, numbered 0 to 199. The drive is currently serving a request at cylinder 53. The queue of pending requests, in FIFO order, is 98, 183, 37, 122, 14, 124, 65, 67. Starting from the current head position, what is the total distance (in cylinders) that the disk arm moves to satisfy all the pending requests for each of the following disk-scheduling algorithms? i) FCFS ii) SSTF iii) SCAN iv) LOOK v) C-SCAN vi) C-LOOK.

# PAPER NAME: OBJECT ORIENTED PROGRAMMING WITH JAVA LAB PAPER CODE: MCAN-293

- 1. Write a java program to do sum of command line argument passed two Double numbers.
- 2. Explain Java garbage collection mechanism.
- 3. Write a program to create circle class with area function to find area of circle.
- 4. Explain keywords-super, this, final throws.
- 5. Explain inheritance with its types and example.
- 6. Dynamic Method Dispatch with example.

#### **BCA-2ND SEM-THEORY**

PAPER NAME: ENVIRONMENTAL SCIENCE
PAPERCODE: BCAA201

- 1. Explain the causes of water pollution..
- 2. Write a short note on Eutrofication.
- 3. Write a short note on material balance.
- 4. Write a short note on biodiversity hotspot.
- 5. Discuss exponential growth.
- 6. Write briefly about ozone layer destruction.
- 7. Write a short note on London smog.
- 8. Write a short note on photochemical smog.
- 9. Write a note on smog.
- 10. Write about affects of air pollution.

### PAPER NAME : DISCRETE STATUCRE PAPER CODE: BCAC-201

- 1. Prove that the number of odd vertices in any graph is even
- 2. Suppose R is any equivalence relation on A. Show that  $R^{-1}$  is also equivalence
- 3. Using principle of inclusion and exclusion, show that for any three sets A, B, and C,  $n(A \cup B \cup C) = n(A) + n(B) + n(C)$ , if they are pairwise mutually disjoint.
- 4. prove that a tree with n vertices has n-1 number of edges..
- 5. If f:R $\rightarrow$ Rdefined by  $f(x) = x^3 1$ , then find the values of  $f^{-1}(7)$  and  $f^{-1}(63)$ .
- 6. Show that  $(p \rightarrow q)\Lambda(q \rightarrow r) \rightarrow (p \rightarrow r)$  is a tautology

### PAPER NAME : COMPUTER ARCHITECTURE PAPER CODE : BCAC202

- 1. Define ISA. What are the advantages of network computers?
- 2. Write down the five classic components of a computer? Explain any one.
- 3. Define Moore's Law. Write the IEEE 754 floating point format.
- 4. Draw the diagram of portion of datapath used for fetching instruction.
- 5. Write the formula for calculating time between instructions in a pipelined processor.
- 6. Differentiate in-order execution from out-of-order execution.

# PAPER NAME : CODE IN WITH JAVA PAPER CODE : GE4B-11

- 1. Write a Java program to print Fibonacci series up to 100?
- 2. Write a Comparator in Java to compare two employees based upon there name, departments, and age?
- 3. Write a Java program to check if a number is Armstrong or not?
- 4. Write a Java program to prevent deadlock in Java?
- 5. Write a Java program to find if a number is a prime number or not?
- 6. Write a Java program to sort Map based on keys without using Tree Map.

#### BCA-2ND SEM-PRACTICAL

PAPER NAME : COMPUTER ARCHITECTURE LAB PAPER CODE : BCAC292

- 1. What are the three instruction classes and their instruction formats?
- 2. Write the structure of memory hierarchy.
- 3. Consider a cache with 64 blocks and a block size of 16 bytes. To what block number does byte address 1200 map.
- 4. Discuss about the various techniques to represent instruction in a computer system.
- 5. Explain the use of DMA controllers in a computer system with a neat diagram.
- 6. Explain the IOP Organization and communication between CPU and IOP.

#### **BBA(HM)-4TH SEM-THEORY**

#### PAPER NAME: - SUPPORT UTILITY AND CLINICAL SERVICES-I PAPER CODE: BBA (HM) – 402

- 1. Define Support and Utility Services of a Hospital?
- 2. Write in Brief about the manpower and equipments required in OPD?
- 3. Write the functions of Emergency department of a Hospital in Brief?
- 4. What are the Equipments Required in CSSD Department
- 5. Briefly elaborate the workflow of House Keeping Department of a Hospital
- 6. Managerial Issues of OT
- 7. What is Nosocomial Infection?
- 8. Describe the staffing pattern of HIC
- 9. Short Notes on Diet Service of a Hospital
- 10. Types of Infection formed From Hospital

#### PAPER NAME: Basic Healthcare Analytics PAPER CODE: BBA (HM)-405

- 1. Explain data and Information?
- 2. Introduction to Data Analytics Tools and Techniques for Health Care
- 3. Organizational approach for effective use of data analytics
- 4. Knowledge and wisdom hierarchy?
- 5. Role of the data analyst?
- 6. Sources of health care data
- 7. Advantages of Data and Information
- 8. Barriers of Information System
- 9. Types of Data used in Hospital
- 10. Process steps of data analytics

### PAPER NAME: PUBLIC HEALTH AND HEALTH CARE PLANNING PAPER CODE: BHM (HM)-401

- 1. Describe the meaning of public health
- 2. Write a short note on National Health Policy (2002).
- 3. Define Manpower, Discuss it's important in our health care system.
- 4. Discuss RNTP.
- 5. Describe National Family Planning.
- 6. What do you know about Community diagnosis?
- 7. National Mental Health Programme
- 8. Short Notes on Community Participation
- 9. National Leprosy Eradication Control Programme
- 10. National Rural Health Mission 2017

### PAPER NAME: HOSPITAL INVENTORY MANAGEMENT PAPER CODE: BHM (HM)-403

- 1. What are the types of inventory control systems & discuss any two.
- 2. Write a short note on ABC analysis.

- 3. Define E.O.Q
- 4. How many types of material are present in a hospital?
- 5. Describe surplus & obsolete materials.
- 6. What do you know about logistics management?
- 7. Objectives, types of inventory control?
- 8. Write in brief about the logistics management control of Hospital?
- 9. What is codification of Materials?
- 10. What are the types of store in hospital?

### PAPER NAME: BASICS OF COMPUTING PAPER CODE: GE4B-03

- 1. Design a simple wedding invitation card.
- 2. Define the term network and outline the types of computer networks.
- 3. Differentiate between Random Access Memory (RAM) and Read Only Memory (ROM).
- 4. Differentiate between primary and secondary computer memory.
- 5. Outline advantages and disadvantages of information technology.
- 6. rite short notes on the following devices:
- 7. Central processing unit (CPU).
- 8. Control unit (CU)

#### **BBA-4TH SEM-THEORY**

PAPER NAME: HUMAN RESOURCE MANAGEMENT PAPER CODE: BBA 401

- 1. What is Human Resource Management?
- 2. State briefly the functions of HR Department
- 3. What is the role of a Human Resource Manager?
- 4. Explain Job Analysis in Brief
- 5. What is Career Planning?
- 6. What is the difference between Recruitment and Selection?
- 7. What is Job Description?
- 8. What Is Training and Development?
- 9. Work role of a Line Manager
- 10. What is Interview.

# PAPER NAME : COMPUTER APPLICATIONS PAPER CODE : BBA- 405

- 1. Write a difference between unary and binary operator.
- 2. What is a Hypertext link? Give the name and the syntax for the HTML tag which is used for creating a Hypertext Link.
- 3. Write any two differences between proprietary and open-source software.
- 4. Write the difference between alink and vlink. Write an HTML statement to illustrate the usage of these 2 attributes.
- 5. Write the difference between <dd> and <dt> tags in HTML.
- 6. Explain the concept of Submit and Reset buttons in HTML forms.

PAPER NAME: SALES & DISTRIBUTION MANAGEMENT

#### PAPER CODE: BBA (N)-402

- 1. What do you understand by the term sales force?
- 2. Why is controlling and motivation essential for sales force?
- 3. Define public distribution and elaborate its special features. Also discuss its role and importance.
- 4. Describe the process of Managing dealer –network. Bring out the importance of channels of distribution.
- 5. How does a sales Manager design a sales territory and what are the different shapes of territory design? Discuss.
- 6. What is Personal Selling?
- 7. What are the nature and Characteristics of Sales Distribution?
- 8. What are the Channels of Sales Distribution?
- 9. What are the types of Intermediaries?
- 10. Write down about E-distribution &E-retailing?

### PAPER NAME: CUSTOMER RELATIONSHIP MANAGEMENT PAPER CODE: BBA (N)-403

- 1. Briefly summarize what CRM is all about. What are the benefits? Do you see any possible downside?
- 2. How does Number use technology to enhance its customer relationships?
- 3. Identify and briefly describe at least four key business capabilities provided by the use of a CRM system.
- 4. Describe the capabilities of customer relationship management?
- 5. What is personal selling?
- 6. Short Notes on Customer relationship management
- 7. Production-oriented firms
- 8. What is E-marketing?
- 9. What is a distribution channel?
- 10. Short Notes on CRM metrics

#### PAPER NAME : BASICS OF COMPUTING PAPER CODE : GE4B-03

- 1. Design a simple wedding invitation card.
- 2. Define the term network and outline the types of computer networks.
- 3. Differentiate between Random Access Memory (RAM) and Read Only Memory (ROM).
- 4. Differentiate between primary and secondary computer memory.
- 5. Outline advantages and disadvantages of information technology.
- 6. Write short notes on the following devices:
- 7. Central processing unit (CPU).
- 8. Control unit (CU)

# MHA-4TH SEM PAPER NAME: HEALTH ECONOMICS PAPER CODE: MHA (N)-401

- 1. What are short-run and long-run in production? Discuss the laws of production function.
- 2. What is expansion path for any business economy? Draw and explain the expansion path where constant return to scale in application.
- 3. Explain cost-output relationship in short run in detail.

- 4. As a hospital manager what economic factor will you consider before purchase and installation of a MRI machine? Discuss the opportunity cost for the above.
- 5. Discuss macroeconomics of various national health programmes
- 6. Pattern of Health expenditure in India
- 7. Market models in different aspects of health care
- 8. Health financing from various sources. Discuss
- 9. Demand & Supply for Health Services
- 10. Short notes on TPA

# PAPER NAME: DISASTER MANAGEMENT PAPER CODE: MHA (N)-402

- 1. Narrate the features of disaster management.
- 2. Explain ambulance management.
- 3. Analyze the role of hospitals in disaster management.
- 4. Describe the need for disaster management
- 5. Explain briefly about guiding principles for health sector food management.
- 6. Essential requisites and disaster plan
- 7. Fire safety in healthcare facility
- 8. Organization of disaster management
- 9. NGO
- 10. Post disaster morbidity and mortality profile

#### **BHM-6TH SEM-THEORY**

PAPER NAME: - Quality in Healthcare PAPER CODE: BBA (HM) – 601

- 1. Explain detail about QMS in hospital.
- 2. Explain the Techniques to be followed the Hospital Quality Management.
- 3. Explain Elements of TQM.
- 4. Write detail about Quality in Core and support services?
- 5. Explain various types of Audit conducted in Hospitals.
- 6. Define IPO Audit-A process flow chart.
- 7. Short notes on
- (a) Pareto chart
- (b) I/O cause and Effect diagram
- 8. What is Benchmarking?
- 9. Short Notes on Deming's Principle
- 10. Short Notes on NABH

PAPER NAME: Health Insurance PAPER CODE: BBA (HM) – 602

- 1. health insurance-meaning, importance
- 2. Insurance as a tool for managing risk. Discuss
- 3. Classification of Health Insurance
- 4. Guidelines on standardization in health insurance
- 5. Features of health policies
- 6. Define Health Product
- 7. Short notes on Rastriyo Swastha Bima Yojna

- 8. Grievance Redressal mechanism
- 9. Different health Insurance and their Features
- 10. What Consumer Protection Act?

### PAPER NAME: Human Resource Management PAPER CODE: BBA (HM) – 603 B

- 1. What is Human Resource Management?
- 2. State briefly the functions of HR Department
- 3. What is the role of a Human Resource Manager?
- 4. Explain Job Analysis in Brief
- 5. What is Career Planning?
- 6. What is the difference between Recruitment and Selection?
- 7. What is Job Description?
- 8. What Is Training and Development?
- 9. Work role of a Line Manager
- 10. What is Interview

#### **BBA-6TH SEM**

### PAPER NAME: PROJECT MANAGEMENT PAPER CODE: BBA 601

- 1. Project Management tools, functions, activities
- 2. Types and checkpoints in the Project Management
- 3. Development Productivity Index
- 4. Project cost estimation
- 5. Difference between CPM AND PERT
- 6. Resource allocation and scheduling and purchasing
- 7. Financial Analysis
- 8. Project risk Management and Mitigation
- 9. Challenges faced during Project
- 10. Monitoring and tracking techniques

# PAPER NAME: MARKETING ANALYTICS PAPER CODE: BBA 603 A

- 1. Introduction to Marketing Analytics
- 2. Discuss about Multiple Linear Regression to forecast sales
- 3. What is Estimating Demand Curves?
- 4. Short Notes on Nonlinear Pricing
- 5. Discuss about Price Skimming
- 6. What is Revenue Management?
- 7. Difference between Internet and Social Media Marketing
- 8. Short Notes on Price Bundling
- 9. Short Notes on Price Skimming
- 10. Difference between Allocating Retail Space and Sales Resources

**PAPER NAME: Supply Chain and Logistics Management** 

#### PAPER CODE: BBA-602

- 1. Difference between logistics and supply chain
- 2. Write in brief about logistic mix?
- 3. Logistics and competitive advantage.
- 4. Role of logistics in economy
- 5. Procurement Performance Cycle
- 6. How to build long term relationship with the Vendors
- 7. What is Value Chain
- 8. Role of logistics in economy
- 9. Drivers of supply chain Management
- 10. Capacity management

#### **BCA-6TH SEM**

PAPER NAME: UNIX AND SHELL PROGRAMMING PAPERCODE: BCAC601

- 1. Discuss the features of UNIX operating system that have made them such phenomenally successful Operating systems.
- 2. What is shell programming? Write a shell program to print all the contents of an existing text file in upper case
- 3. Describe what the grep command does? Illustrate its use with an original example.
- 4. Write a shell program to generate the first "n" terms of the following sequence without using Multiplication . 1 2 4 8 16 32......
- 5. What are filters? Give some examples of commands that can be used as filters.
- 6. What are the different kinds of file systems available to UNIX operating system.

# PAPER NAME: CYBER SECURITY PAPER CODE: BCAC602

- 1. Describe three types of cryptography.
- 2. Describe two types of firewalls.
- 3. Describe three limitations of firewalls. Briefly explain rule-based ethics.
- 4. Explain regular expression patterns with syntax.
- 5. Draw a diagram and appropriate explanations describe how the above terminologies relate to each other.
- 6. Define the following terminologies:
- i. Policy
- ii. Standard
- iii. Practices, procedures and guidelines

### PAPER NAME : ADVANCED DBMS WITH PL-SQL PAPER CODE : BCAD601F

- 1. Explain the basic structure followed in PL/SQL.
- 2. What is a PL/SQL cursor? Explicit Cursor Execution Cycle.
- 3. What is a Trigger? Name some instances when "Triggers" can be used.
- 4. Explain the PL/SQL execution architecture.
- 5. Differentiate between implicit cursor and explicit cursor.
- 6. What are the various functions available for manipulating the character data?