

BHM-2ND SEM

SUB:- HOSPITAL OPERATION MANAGEMENT-I

PAPER CODE:-BHM 201

Answer the following questions:

- 1.) Model design of OT.
- 2.) What are challenges face by the management of Indian Hospital? (Any five).
- 3.) Describe the uses of Epidemiology in the Health care sector.
- 4.) OT Lighting.
- 5.) Explain the modern techniques of hospital.
- 6.) HEPA filter?

BIO STATISTICS-I

Paper Code: BHM-202

Answers any six question:

- 1) Find the standard deviation from the following data : 39, 53 , 46, 50 , 65 , 52 , 50, 45
- 2) The monthly profits in rupees of 200 shops are distributed as follows:
Profit per shop: 0-100 100-200 200-300 300-400 400-500 500-600 No. Of shops:
32 28 37 30 37 26 Draw the histogram to the
data and hence find the modal value . Check this value by direct calculation
- 3) Find the median and the median class of the data given bellow:
Class boundaries : 10-20 20-30 30-40 40-50 50-60 60-70
Frequency: 6 15 16 18 10 4
- 4) What are the characteristic and limitations of statistics
- 5) What do you mean by histogram, frequency polygon ,and ogive?
- 6) Give a critical review of the different measures of central tendency.
- 7) Prove that the standard derivation is independent of any change of origin, but it dependent on the change of scale

SUB:- MEDICAL TERMINOLOGY-II

PAPER CODE:-BHM 203

Answer the following questions:

- A. Describe the blood circulation in the heart.
- B. Match the following.
Femur..... kneecap.
Humerus..... jawbone.
Sternum..... thighbone.
Patella.....breastbone.
Mandible.....upper arm bone.
- C. Explain the mechanism of the urine formation.
- D. Describe various phases of menstrual cycle.

- E. Write the mechanism of respiration.
- F. Describe TNM classification of tumor.
- G. What are the parts of Digestive system and their functions?

SUB: MARKETING MANAGEMENT
PAPER CODE: BMM204

Answer to following questions

- 1.) What do you mean channel management decisions?
- 2.) What are the pricing strategies?
- 3.) What are the Psychological factors of consumer buying behavior?
- 4.) Describe, in brief, the consumer buying process.
- 5.) What are the variables responsible for segmenting consumer market?
- 6.) What do you understand by the term 'Marketing Mix'?

SUB:- HOSPITAL & HEALTH SYSTEM -II
PAPER CODE:-BHM 205

Answer the following questions:

- A. Describe the Health Manpower Planning.
- B. Describe the Health Care Delivery System in India.
- C. What is WHO? Describe the Objective of WHO.
- D. Describe the function of UNICEF.
- E. Health Gap.
- F. Describe the Health Care System in UK?

BBA-2ND SEM

SUB:- ENGLISH-II
PAPER CODE:- BBA-201

- 1. Choose the correct alternative for the following.
 - a) The tone of a sales letter should be i) Harsh ii) Flattering iii) Straight forward iv) Persuasive
 - b) In persuasive letters the tone of the writing should be i) Pleading ii) Convincing iv) Arguing.
 - c) One who is positive in thinking is i) Happy ii) Pessimist iii) Optimist iv) Sad.
 - d) .. Job application letter is written against an advertisement... is i) Invited ii) Solicited iii) Unsolicited iv) Referential.
 - e) Of the two candidates, I think i) He is suited best ii) He is best suited iii) He is the better suited iv) None of these.
 - f) We have been busy..... Monday. i) Through ii) Till iii) From iv) Since
- 2. Differentiate the following pairs of words by making sentences.
 - a) Right : Write b) Sea : See c) Too :Two d) Course : Coarse e) Weight : Wait f) Waste : Waist g) Knot : Not h) Hole : Whole i) Peace : Piece j) Weak : Week
- 3. Explain the characteristics and advantages of e-mail.
- 4. Write a proposal to the head of your institution regarding the introduction of a computer literacy for all students.
- 5. Write an application for the post of Sales Manager in an MNC. Attach your resume.
- 6. Write a memo to all your employees to maintain punctuality.

7. Draft an advertisement to be published in the leading newspaper of the country inviting students and corporate executives to attend a seminar to be organised by your institute in the next month. The topic for discussion is "Management Education in the new millennium."
8. What are complaint letters and what are adjustment letters?
9. As the Purchase Manager of Sandhya Computers, 110 Naidu Road, Hyderabad 500007, you had ordered two dozens of Personal Computers from Hindustan Computers Limited (HCL), 130 M.G.Road, Bangalore-550001. When the consignment arrived you found some of the pieces were in the damaged condition. Write a complaint letter to the Sales Manager of the company asking for repair, replacement or compensation.
10. You are going to open a fashion assessor's outlet in your city. Write a sales letter promoting your shop to be circulated among the residents of the city.

SUB:- MATHEMATICS-II

PAPER CODE:- BBA-202

- (A) Solve the x, y, z by Cramer's rule , $3y - 2z = 5$, $-x + 2z = -4$.
- (B) A function $f(x)$ is defined as follows $f(x) = 1 + 2x$, $-\frac{1}{2}x < 0$
 $= 1 - 2x$, $0x < \frac{1}{2}$
 $= -1 - 2x$, $x \frac{1}{2}$ find (mathematically)

whether

The function is continuous at $x=0$, $x= \frac{1}{2}$, $x = 1$.

- (C) Find if .
- (D) If prove that .
- (E) If then prove that .
- (F) If show that $+ = 0$.
- (G) Find the area of the region bounded by the curves $6y =$ and $3y = x + 4$.

SUB:- STATISTICS-II

PAPER CODE:- BBA-203

- A. write classical definition of probability and state Baye's theorem.
- B. Define probability mass function, distribution function and probability density function.
- C. For what value of a will the function
be the probability mass function of a discrete random variable x ? Find the mean and variance of x .
- D. Find mean and standard deviation of binomial distribution with parameters n and p .
- E. In a bolt factory, machines A, B, C manufacture respectively 25%, 35%, 40% of the total of their output. 5%, 4%, and 25 are defective bolts. A bolt is drawn at random from the product and is found to be defective. What are the probability that it was manufactured by machines A, B, C?
- F. The probability density function of a random variable X is Determine i) the value of the constant k ii) the distribution function $F(x)$ iii)
- G. Find the mean and the standard deviation of the uniform distribution $f(x) = 1/n$; $x = 1, 2, \dots, n$

SUB:- ECONOMICS-II

PAPER CODE:- BBA-204

1. Differentiate inflation and deflation. What are the remedies of inflation in a country?
2. What are the differences between GDP and GNP? Explain various methods to measure National Income.

3. Briefly discuss the functions of commercial Banks.
4. Give a short note on:
 - (a) IMF
 - (b) IBRD
 - (c) NNP
5. What are the functions of World Bank? Explain various heads of public expenditure.

SUB:- PSYCHOLOGY
PAPER CODE:- BBA-205

1. Explain Type A Personality / Behaviour.
2. Explain Big Five Model of personality
3. Both heredity and environment are important determinants of personality –Discuss.
4. Which are the most important personality dimensions for predicting job performance?
5. Explain Halo Effect & Horns Effect.
6. Why it is important for managers to have a working knowledge of perception?
7. Describe the perception process. Explain with two examples.

SUB:- COMPUTER APPLICATIONS-II
PAPER CODE:- BBA-206

1. What is Flowchart?
2. What is an Algorithm?
3. Full form of EEPROM?
4. What is program?
5. What do you mean by computer programming?
6. Write an algorithm on biggest of three nos.
7. What is printer? What is memory?
8. Short notes on generation of computer.
9. Difference between SRAM and DRAM.
10. What is cache memory? What is virtual memory?
11. Difference between primary memory and secondary memory.
12. What is hard disk and floppy disk?
13. Convert a number decimal to binary.

$$(123.14)_{10} = (?)_2$$

BCA- 2ND SEM

SUB: COMPUTER ARCHITECTURE & SYSTEM SOFTWARE
PAPER CODE: BCA 201

1. What do you mean by performance of a computer? What is MIPS?
2. What do you mean by pipelining? Give an example.
3. Discuss about arithmetic pipeline and instruction pipeline.
4. Explain the term- speed up factor, efficiency and throughput of a pipeline.
5. Describe memory hierarchy with proper diagram.
6. Discuss about LRU page replacement policy with proper example.

7. Difference between SRAM & DRAM.
8. What is virtual memory? What are the reasons for using it?
9. Write the difference of RISC and CISC.
10. Discuss briefly about cache mapping techniques.
11. What do you mean by locality of reference?
12. What are 0, 1, 2 and three address machines? Give examples.
13. What is instruction cycle? Describe with the help of flowchart.
14. Discuss about various addressing mode with proper example.

SUB: INFORMATION SYSTEM ANALYSIS & DESIGN

PAPER CODE: BCA 202

- I. Write a short note on SDLC.
- II. Describe Classical and Iterative waterfall model.
- III. Describe the concept of DFD and E-R diagram
- IV. Write a short note on SRS.
- V. Write a short note on System testing.
- VI. Explain the concept of Decision table with proper example.
- VII. Describe COCOMO model with proper example.
- VIII. What do you mean by cost-benefit analysis?
- IX. What do you mean by quality? What are types of it? What do you mean by standard of quality?
- X. What is productivity, strategic planning, system audit and CMM?
- XI. Write short note on the following:
 1. White Box Testing
 2. Characteristics of testing
 3. Verification and validation
 4. Use case diagram
 5. Context flow diagram

SUB: COMPUTER PROGRAMMING

PAPER CODE: BCA 203

1. What is Object oriented programming? Define class and object. Differentiate between them? Why we need object]
2. Define array. Explain single dimensional and two dimensional arrays with example.
3. How many integers (maximum) can you store in the array `int Myarray [10][10][10];` ?
4. Explain the function of any four Visual Basic tools from the following:
A) Text Box b) Label c) List Box d) Command Button e) Combo Box f) Area box.
5. Write an algorithm of BUBBLE sort with suitable example.
6. Write an algorithm of SELECTION sort with suitable example.
7. Write an algorithm of binary search with suitable example.

SUB: MATHEMATICS

PAPER CODE: BM 201

Answers any six question:

1. solve:

2. Solve: $(\sin y + x)dx + (\cos y - x)dy = 0$
3. solve: $y(1+x)$
4. Solve completely:
5. Solve completely: $(x^2 - 1)y' = \sin(\log x) + x \cos(\log x)$
6. show that $\sum (-)^n$ is convergent. Also find
7. Test the convergence of the series:
 $\sum_{n=1}^{\infty} \dots \dots \dots$ to

SUB: DEVELOPMENT OF LIFE SKILLS
PAPER CODE: HU 201

1. Define & illustrate "Report". Classify it.
2. What is a "memo"? Write some of its features. What are the main components of a "memo"?
3. The Principal Sir has advised the head of the college office to draft a memo to be sent to all the Department heads requesting them to submit requisition of books by reputed authors. The books are to be purchased from well known publisher and book sellers. Assume that you are the head of the college office and write accordingly.
4. Write a job application letter with your C.V against the following advertisement published in The Telegraph on 20th March 2015.

An MNC has vacancy for the post of "Trainee Consultant" where the company would be MCA, with MBA with a minimum experience of 1 year in the respective field. Those interested may send their resume within 15 days to H.R Manager, Corporate Computer Communication, ENBlock, and SaltLake Kol-91.

5. 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. Write a claim letter to Steel Co Furniture.
6. Suppose you are the Purchase Manager of "COMPUTECH" co. Ltd. The company has opened a new branch which requires a number personal computers & laptops. Now write a letter to another company asking for supplying computers & laptops within a week.
7. Your club has arranged for a free eye operation camp in your locality. Write a notice about it mentioning everything.
8. Write short note on :
 I. E-mail ii Fax
9. You are interested in doing a short term course in public speaking for your personality development during summer vacation. Write a letter to the Director, Personal centre, Sector 22, Chandigarh, enquiring about the duration of such a course and the terms & conditions for admissions.
10. What is Communication? What is the barrier of Communication?
11. Write some physical barrier of Communication.

MHA- 2ND SEM
HOSPITAL SUPPORT SERVICE
PAPER CODE: MHA-201

1. Discuss the organizational & operational planning of hospital diet services
2. Discuss the objective, organization, equipments's and using department of C.S.S.D
3. WHAT IS SIGFICANT OF BLOOD BANK..Describe the function and organization of blood bank.

SUB: MATERIAL MANAGEMENT
PAPER CODE:- MHA-202

Answer to following questions

- a) Discuss make or buy decision.
- b) Briefly discuss purchasing system.
- c) Differentiate between bin card and store ledger.
- d) Write a short note on economic ordering quantity.
- e) Discuss the inventory turnover ratio.
- f) Discuss the process of stock verification.
- g) Discuss the store management with classification.
- h) Discuss purchasing parameter.

Sub: HUMAN RESOURCE MANAGEMENT
Paper Code: MHA203

Q. Answer to the following questions.

1. Discuss sources of recruitment.
2. Discuss functions of HRM.
3. What are the importance of job analysis?
4. What are the steps of selection?
5. Discuss process of HRP.
6. State the difference between HRM and PM.
7. Short note about placement.
8. Discuss changing role of HR manager in today's corporate world.

BIO-MEDICAL WASTE MANAGEMENT

PAPER CODE: MHA-204

1. Discuss the TRAINING AND AWARENESS ABOUT BIO-MEDICAL WASTAGE OF DOCTORS , NURSE, LAB TECHNICIAN IN HEALTH CARE UNIT.
2. What are the auto clearing & microwaving..? Explain the different types of bio-medical waste..Mention the color coding & type of container to dispose bio-medical waste..
3. What are the bio-medical wastge? Give the different categories of bio-medical wastgag, their treatment and disposure..

SUB: FINANCIAL MANAGEMENT-I

PAPER CODE:- MHA-205

Answer to following questions

- a) Discuss the rules of transaction.
- b) Discuss the objective of financial management.
- c) Discuss various errors which are not detected by trial balance.
- d) Write a short note on ledger.
- e) From the following transactions you are asked to prepare journal for the month of January 2014.
January 1. Started business with cash Rs.10, 000 and plant & machinery Rs.26, 000.
January2. Opened a bank account by Rs.3, 000.
January16. Wages paid by Rs.500.
January25. Purchase goods by Rs.4, 000.
January 31. Sold goods by Rs 7,000.
- f) Compute trial balance from the following ledger balance for the month of January 2014.
Purchase Rs.5,000, sales Rs.7,000, capital Rs.15,000, plant and machinery Rs.12,000,cash Rs.8,000, bank Rs.4,000 Sundry creditors Rs.4,000, bank loan Rs.3,000
- g) Discuss element of costing.
- h)Discuss service costing.

SUB: FINANCIAL MANAGEMENT-I

PAPER CODE:- MHA-206

Answer to following questions

BHM- 4TH SEM

EPIDEMIOLOGY & ANALYSIS OF HEALTH INFORMATION DATA

PAPER CODE: BHM-401

Answer the following questions:

- A. Define and classify vaccines.
- B. Describe the ways of control communicable disease.
- C. Disease spectrum.
- D. Describe the “Chort study”.
- E. Write a short note about Immunization hazards.
- F. Describe the “Levels of prevention”...

SUB:- SUPPORT & UTILITY SERVICES -I

PAPER CODE:-BHM 402

Answer the following questions:

- A. Describe the Transport services in hospital.
- B. What are the functions of nursing services department?
- C. Write a short note on CSSD.
- D. Write a short note on biomedical waste department.
- E. Describe the function of Blood Bank.
- F. Describe the Importance of Linen & Laundry department.

ENVIRONMENTAL ECOLOGY

PAPER CODE: BHM-403

- A. What is the importance of environmental study?
- B. Define the objective of EIA.
- C. What do you mean by energy flow?
- D. What is the different source of water pollution?
- E. What is food chain?
- F. What are the components of environment?
- G. What is the Greenhouse effect? Name major greenhouse gases.

SUB:- MEDICAL RECORD SCIENCE –II

PAPER CODE:-BHM 404

Answer the following questions:

- A. Describe the Audit Cycle in Medical Record.
- B. Responsibilities of Medical Record Officer.
- C. Describe the Indian Factories Act, 1948.

- D. Describe the Legal aspects of Medical Records.
- E. Organize a medical record department of a 100 bedded Hospital.
Describe the Consumer Protection Act, 1986.

Sub: MANAGEMENT INFORMATION SYSTEM

Paper Code: BHM-405

1. Define System and System boundaries. State the difference between closed system and open system.
2. What is an organization? Discuss the characteristics of an organization.
3. Explain the roll of management. Briefly discuss Inter-group Conflict.
4. What is modelling? Explain different types of models.
 - a. Describe the characteristic of good planning. Difference between Short term planning and long term planning.
5. Explain different labels of Management with examples.
6. Explain the three phases of decision making process.
7. Explain hospital information system .briefly explain its sub systems with proper diagram. Why HIS is the most important in hospital management?
8. What is SDLC? Write down the steps of SDLC. Why iterative waterfall model is better that waterfall model?
9. What is MIS? Explain the importance of MIS
10. Write short note on the following:
 - a. GDSS
 - b. TPS
 - c. Testing
 - d. Meta model

BCA- 4TH SEM

SUB: DATABASE MANAGEMENT SYSTEM

PAPER CODE: BCA 401

Answer all the questions:

1. Differentiate the followings:
 - i. Natural join
 - ii. Outer join
 - iii. Equijoin
2. Let R(ABCDE) be a relation schema and consider the following functional dependencies $F = \{AC \rightarrow E, AE \rightarrow B, C \rightarrow E, C \rightarrow D\}$. Find out the candidate key.
3. Define BCNF. Why BCNF is stronger than 3NF?
4. State two phase commit protocol and discuss the shortcomings. What is checkpoint?
5. Discuss ACID property of a transaction.
6. Show that the following is not conflict serializable.

T1	T2	T3
R(X)		
		R(X)
W(X)		
	R(X)	
		W(X)

7. Construct a B+ tree with the following set of values.
(2, 3, 5, 7, 11, 17, 19, 23, 29, 31)
8. Consider the relation R=(A,B,C,D,E,F,G,H,I,J) and the set of functional dependencies:
F=(AB→C, A→DE, B→F, F→GH, D→IJ)
Decompose in 3NF
9. Consider the following relational scheme:
Hotel(Hotel_No, Hotel_Name, Address)
Room(Room_No, Hotel_No, Type, Charge_pn)
Booking(Hotel_No, Guest_No, Date_Form, Date_To, Room_No)
Guest(Guest_No, Guest_Name, Guest_Address)

Write down the query in *relational algebra* for the followings:

- i. List the hotels which are situated in 'KOLKATA'
 - ii. List all single rooms with charge below Rs. 1000 per night
 - iii. List the names of all guest who are going to stay at ITC hotel from 24th December to 1st January.
 - iv. List the price per night and type of all rooms at Grand Hotel.
10. Write short notes on the followings:
- i. Hashing
 - ii. Mapping cardinalities
 - iii. Multivalued dependency and 4NF
 - iv. File indexing
 - v. Armstrong's Axioms

SUB: OBJECT ORIENTED PROGRAMMING WITH C++

PAPER CODE: BCA 402

Answer all the questions.

1. How does object oriented approach is differ from object based approach? List the application of OOP?
2. Why do we need a pre-processor directive #include<iostream>? How does a MAIN() in c++ is differ from MAIN() in c?
3. Why is an array called as derived data type? What do you mean by dynamic initialization of variable? Give example?
4. What is reference variable? What is purpose of using "::" in c++? What is the advantage of using NEW operator compare to MALLOC()?
5. What is the advantage of passing argument by reference? When will we make a function inline and why? What do you mean by function overloading? Give example
6. What is class? How does it accomplish data hiding? When do we declare a member of a class as static? What is friend function? State advantage and disadvantage of friend function?
7. What is constructor? How do we invoke a constructor function? What is parameterized constructor? What do we mean by dynamic initialization of object?
8. Describe the importance of destructor? What is operator overloading? what is the purpose of it? What is an operator function? When is a friend function compulsory?
9. A friend function cannot be used to overload the assignment operator=, explain why? How to create a conversion function?
10. What is inheritance? State different forms of inheritance with suitable example? When do we use the protected visibility specifier to a class member?
11. What is virtual base class? When do we make a class as virtual? What is an abstract class? Describe how an object of a class that contains objects of other classes created?

12. What is polymorphism? How does it achieved during compile time and run time? What does THIS pointer points to? What are the application of THIS pointer?
13. What is virtual function? When do we make a virtual function “pure”? Why do we need virtual function? What are the implication of making pure virtual function?
14. What is stream? Describe briefly about I/O stream? What is the role of FILE() function? when do we use this function? What is the necessary to include the file iostream in all our programs?

SUB: SOFTWARE PROJECT MANAGEMENT & QUALITY ASSURANCE

PAPER CODE: BCA 403

- I. Write a short note on SDLC.
- II. Describe Classical and Iterative waterfall model.
- III. Describe the concept of DFD and E-R diagram
- IV. Write a short note on SRS.
- V. Write a short note on ISO.
- VI. Explain the concept of object modelling.
- VII. Describe the concept of RAD model.
- VIII. What do you mean by cost-benefit analysis?
- IX. What do you mean by quality? What are types of it? What do you mean by standard of quality?
- X. What is productivity, strategic planning, system audit and CMM?
- XI. What is reliability? Describe the reliability matrices.
- XII. What is a risk? What do you mean by risk analysis, risk assessment and risk containment?

SUB: NUMERICAL METHODS & ALGORITHM

PAPER CODE: BM 401

Answer the following questions :

1. Show that =
2. evaluate: (a
3. Prove that $\log(1+x) = x - \frac{x^2}{2} + \frac{x^3}{3} - \dots$ where $D =$
4. Prove that $\log f(x) = \log(1+x)$
5. Evaluate to 3 decimal place by Newton-Raphsons method.
6. Apply Lagrange's interpolation formula to find $f(x)$, if $f(1)=2, f(2)=4, f(3)=8, f(4)=16$ and $f(7)=128$
7. Find the root of the equation, in the interval $(2,3)$ correct up to 4 significant figures using Bisection method.

SUB: ENVIRONMENTAL & ECOLOGY

PAPER CODE: HU 201

1. Mention the cause and biochemical effect of toxicity due to (i) Hg (ii) Cd.
2. Write short note on (i) catalytic converter (ii) electrostatic precipitator.
3. Differentiate between (i) primary and secondary pollutant (ii) BOD and COD.
4. What is noise? Discuss about different types of noise. What is Noise dose?
5. Define pollutant and contaminant. Give one example of each. What is environmental pollution? What are the natural and man made activities that cause environmental pollution?
6. What is air pollution? Classify them. Discuss the effect of NO_2 & SO_2 on human health.
7. What is global warming? Discuss it with the help of simple global temperature model.

8. Discuss the mechanism of ozone layer depletion.
What is PAN? Discuss the mechanism of formation of PAN.

BHM- 6TH SEM

SUB: PUBLIC RELATIONS

PAPER CODE: BHM 601

Answer to following questions:

- 1.) What is the need for public relation in an organization?
- 2.) What are the principles of public relation?
- 3.) What should be the qualities of a PRO?
- 4.) What, according to you, should be the objectives of a planning approach in PR?
- 5.) Describe any five functions of a PRO in hospital sector.
- 6.) Do you think PR and Advertising are same? Give reasons for your answer.
- 7.) Patient and patients parties can be best tackled by PRO =justify.

MEDICAL ETHICS

PAPER CODE : BHM-602

Answer the following questions:

- A. State the difference between law and Ethics?
- B. Define professional misconduct.
- C. Define the Euthanasia.
- D. Basic ethical Principle.
- E. Medical Termination of Pregnancy Act.
- F. Discuss in details the Clinical Establishment ACT.

SUB: ORGANIZATIONAL BEHAVIOR

PAPER CODE: BHM 603

Answer the following questions:

1. Define Perception. Discuss the important factors that influence perception.
2. Discuss the major determinants of personality.
3. Explain concept of Freud's Psycho-analytical theory of personality.
4. Explain briefly the Managerial Grid as developed by Blake and Mouton.
5. Enumerate different categories of personality types in organizations.
6. State the contributing disciplines of OB.
7. Discuss the different stages of group development.

OCCUPATIONAL HEALTH

PAPER CODE : BHM 604A

Answer the following questions:

- A. What do you mean by Sickness Absenteeism?
- B. What is the ESI act?
- C. Radiation protection.
- D. Heat stress and its effect.
- E. What do you mean by Occupational Environment?
- F. Write a short note about Indian Factory Act.1948.

BCA- 6TH SEM
ADVANCED NETWORKING AND
COMMUNICATION
PAPER CODE: BCAE 601A

1. Write short notes on
 - a. DNS
 - b. PCM
 - c. FTP
2. What is multiplexing? Explain bit Stuffing.
3. Describe the structure of HDLC frame in detail.
4. Explain with diagram how the lost frame, delayed and lost acknowledgements are handled in GO-BACK –N ARQ.
5. Explain token ring network(IEEE 802.5) & FDDI.
6. What do you mean by data security
7. Explain congestion & Bit rate and baud rate.
8. Write down the protocol name of OSI model for each layer.

SUB: OBJECT ORIENTED PROGRAMMING WITH JAVA
PAPER CODE: BCAE 602B

1. What is Object? When is an object created and what is it's lifetime? How do you access the static and non-static member of a class? What are the differences between a structure and a class? Can you access non static variable in static context?
2. What is Type casting? Explain different types of type casting. How Explicit type casting is possible in real?
3. What is Constructor? When does the compiler supply a default constructor for a class? Differentiate constructor with normal methods.
4. Why java is called platform independent programming language? Why java does not support multiple inheritance? Which class is extended by all other classes?
5. Define function overloading. [What are the benefits of function overloading?](#) Explain function overloading creating three functions of different number of parameter or different

types of parameter or both. Can you overload two constructors? Can methods be overloaded based on the return types?