BCA SEM III

Question Papers
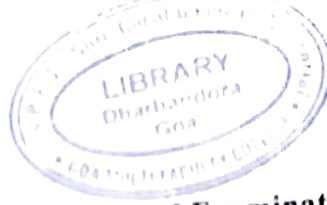
BCA Semester End Examination

Communication and Presentation Skills (BCA 307)

Semester No: III

Duration: 2 Hours

Maximum Marks: 50

Instruction: 1) All Questions are compulsory

2) Figures to right indicate Marks

3) Start each new Question on a fresh page.

Q.1.A) Answer the following questions   (5*1)

1. Why is there a need for Internal Communication?

2. How should an interviewer prepare himself for the Interview?

3. How are Communication Skills essential for Professional success?

4. What is the difference between Sender and Receiver in the communication cycle?

5. What is decoding?

Q.1.B) Answer the following questions   (5*1)

1. Compare Oral and Written form of Communication?

2. List any five disadvantages of interviews as a job selection technique?

3. Explain the importance of External Communication in a Business Organisation?

4. To create a sense of credibility, how should the presenter introduce himself/herself?

5. List five ways to make a presentation visually appealing.

Q.2.A) How to achieve Effective Communication?   (10)

OR

Q.2.B) Why is 'Communication' so important in human society?   (10)

Q.3.A). How does one demonstrate good Communication skills in an Interview?   (10)

OR

Q.3.B). What are the different types of Interviews. Elaborate with relevant examples? (10)

Q.4.A) Analyse the common mistakes that presenters make while giving a presentation. (10)
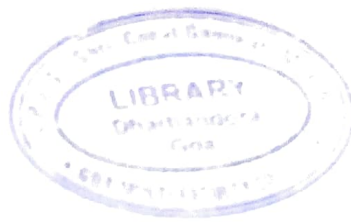
OR

Q.4.B) Write a note on 'strategies to overcome anxiety before presentations.' (10)

Q.5.A). Explain the importance of Communication at Management Level (10)

OR

Q.5.B). Describe in detail the different types of Communication? (10)

Roll No

Total No. of Questions: 05

B.C.A. Semester End Examination
Database Management Systems (BCA302)
Semester III

Total No. of pages: 02

Duration: 02 Hrs.

Maximum Marks: 50 Marks

Instructions: 1) All questions are compulsory Question.
2) Figures to the right indicate maximum marks allotted.
3) Provide sufficient margin space in the answer-book for recording marks.
4) Enter the appropriate main & sub-question numbers in the answer book.

1. i) Define the following terms:

   a. Database.

   b. Data Warehousing

   c. Primary Key

   d. Multi-valued Attribute

   e. Commit

   [5 x 1]

ii) Answer each of the following in one line:

   a. What is the role of database administrator in DBMS?

   b. Enlist any two applications of data mining.

   c. What is meant by referential integrity?

   d. Give an example for derived attribute.

   e. Give one point of difference between good decomposition and bad decomposition.

   [5 x 1]

2. Answer the following:

   a. Highlight the three level database architecture features along with a diagram. [2]

   b. Enlist three advantages and three disadvantages of DBMS. [3]

   c. Name and explain any two data models. Draw necessary diagrams and give suitable examples. [5]

3. Answer the following:

   a. Explain the various kinds of keys and their usage. [2]

   b. Write a note on ODBC. [3]

   c. Draw an ER-Diagram for a student database. [5]
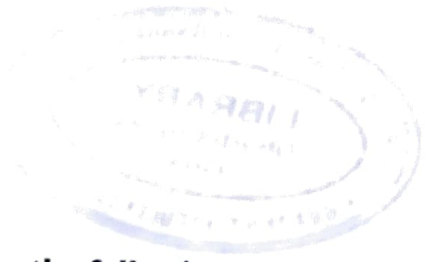
4. **Answer the following:**

   a. With an example explain Boyce Codd normal form.   [2]

   b. Write a note on ACID properties of a transaction.   [3]

   c. What is normalization? Explain the various rules of 1NF, 2NF and 3NF.   [5]

5. **Answer the following:**

   a. With an example explain the concept of multi-valued dependencies.   [2]

   b. What is a deadlock? Compare deadlock prevention and deadlock avoidance.   [3]

   c. Write a note on **any two** of the following emerging trends in database technology.

      Give suitable examples/diagrams wherever applicable: [5]

     i. Knowledge database

    ii. Multimedia database

   iii. Management Information System

   iv. Office Automation System
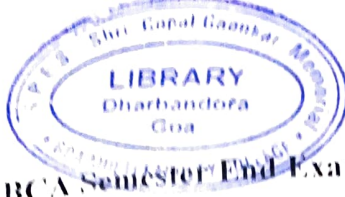
BCA Semester End Examination

Introduction to Economics

Semester: III

Maximum Marks: 50

Duration: 02 Hrs.

Instructions:
1. All the questions are compulsory however with internal choice from Q. 2 – Q.5.
2. Figures to the right indicate full marks.
3. Draw neat and labelled diagrams wherever necessary.

Q. 1. Briefly answer all the following questions: (5 x 2 = 10)
1. Differentiate between positive and normative economics.
2. State any four exceptions to the law of demand.
3. What is Arc elasticity of demand?
4. Write any four attributes of the production function.
5. Differentiate between nominal and real wages.

Q. 2. A. What is Perfect competition? Briefly explain its any four features.   (6)
         B. Write a short note on Law of diminishing marginal utility.   (4)

OR

Q. 2. X. Explain any three features of Monopolistic competition.   (6)
         Y. With a suitable schedule and curve explain the Law of Demand.   (4)

Q. 3. A. Explain market equilibrium with a suitable diagram.   (6)

         B. Explain any two points on the importance of elasticity of demand.   (4)

OR

Q. 3. X. Explain changes in market equilibrium due to change in demand

         when supply remains constant.   (6)
         Y. Write a short note on Cross elasticity of demand.   (4)

Q. 4. A. Explain any three types of price elasticity of demand.   (6)
         B. Explain any four points on the importance of production function.   (4)

OR

Q. 4. X. What is Income elasticity of demand? Explain its degrees.   (6)
         Y. Write a note on Law of Returns to Scale.   (4)

Q. 5. A. Explain the Ricardian Theory of Rent.   (6)
         B. Explain any two factors influencing wages.   (4)
                                        OR
Q. 5. X. Explain Loanable theory of funds.   (6)
         Y. Write a short note on the liquidity preference theory of interests.   (4)

_____

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BCA Semester End Examination

Communication and Presentation Skills (BCA 307)

Semester No: III

Maximum Marks: 50

Duration: 2 Hours

Instruction: 1) All Questions are compulsory

2) Figures to right indicate Marks

3) Start each new Question on a fresh page.

Q.1.A) Answer the following questions in 5-8 lines   (5*1)

1. How to establish effective Communication?

2. Mention any five advantages of consensus and consultation in relation to internal communication?

3. How the Interviewer prepares himself for the interview ?

4. Define the term 'Communication.'

5. What is 'Encoding'

Q.1.B) Answer the following questions in 5-8 lines   (5*1)

1. Mention 4 points of difference between Oral and Written form of Communication?

2. Explain the term "Grapevine"?

3. Explain the importance of internal Communication in a Business Organisation?

4. Briefly list five reasons why presentations are used in business organizations.

5. What is a 'Presentation?'

Q.2.A) Describe the Communication Process with a suitable example.   (10)

OR

Q.2.B) Why is feedback important and what are the different ways to obtain feedback.   (10)

Q.3.A). Write a detailed note on the interviewing technique WASP?   (10)

OR   (10)

Q.3.B). Explain the different types of Interviews with suitable examples.

Q.4.A) What are the Oral and Nonverbal factors that impact Presentations   (10)

OR

Q.4.B) Why should a presenter understand the audience and interact with them   (10)

Q.5.A). What is Meant by the term "Channels of Communication"?   (10)

OR

Q.5.B) Write brief notes on: (10)

    a) Face to face Communication.

    b) Oral Communication.

    c) Verbal Communication.

    d) Media and modes

Roll No:

BCA Semester End Examination

Communication & Presentation Skills BCA307

Semester: III

Duration: 02 Hrs.

Maximum Marks: 50

Instructions:
- Figures to the right indicate maximum marks allotted
- Provide sufficient margin space in the answer-book for recording marks.
- Enter the appropriate main & sub-question numbers in the answer-book

Q1.A] Answer the following in not more than 3-4 lines. [05 Marks]
A. What is encoding?
B. What is meant by the statement, "Components of Communication are Inter-related."
C. What is ex-communication?
D. What is Mass Communication?
E. List two ways to achieve effective communication.

Q1.B] Answer the following in not more than 3-4 lines [05 Marks]

A. Why is it necessary sometimes to have interviews conducted by committees instead of by individuals?
B. Write any one drawback of Interviewing as a means of communication?
C. How can you make oral communication effective?
D. What is meant by Consensus?
E. How a candidate should Prepare for an Interview?

Q2] Answer any one of the following [10 marks]

A. What are the common reasons for miscommunication when messages are transmitted between sender and receiver?

B. What are the different ways to collect feedback? How can feedback improve the communication cycle?

Q3] Answer any one of the following [10 Marks]

A.   What is meant by Internal and External Communication? Why is a system of Internal Communication necessary?

B.   What is meant by non-verbal communication? Write detailed notes on any two forms of non-verbal communication.

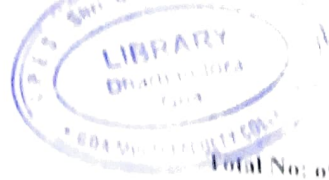**Q4] Answer any one of the following** [10 Marks]

A. Mention different types of interviews and write in detail on any three of them.

B. How should an interviewer prepare himself for an interview?

Q5] Answer any one of the following. [10 Marks]

A. Why should we interact with audience members?

B. How to design a presentation that is visually appealing

Roll No
Total No. of Questions: 05

BCA Semester End Examination

OBJECT ORIENTED CONCEPTS (BCA 301)

Semester III

Duration: 02 Hrs

Maximum Marks: 50 Marks

Instructions:
1) All Questions are compulsory
2) Figures to the right indicate maximum marks allotted
3) Provide sufficient margin space in the answer-book for recording marks
4) Enter the appropriate main & sub-question numbers in the answer-book.

Q 1.A Complete and rewrite the following statement
(5*1=5)

i. In Multiple Inheritance, we have _____ derived classes and _____ base class.

ii. Object's existence depends on other object, they have _____ relationship.

iii. Aggregation is a _____ relationship.

iv. A Constructor that does not have any parameters is called _____ constructor.

v. The goal of object oriented programming is to achieve a software system that is _____.

B. Answer the following.
(5*1=5)

i. What is base class?

ii. Define term "Generic Programming".

iii. List any two main characteristics of procedural oriented programming(POP)

iv. List extensions of binary and text files.

v. Define object oriented programming.

Q2. Answer the following

A) Differentiate between object oriented programming and procedure oriented programming. (2)

B) Compare constructor and method in java. (3)

C) With suitable example explain the term "super" and its usage. (5)

Q3 Answer the following (2)

(3)

A) Explain compile time and run time polymorphism.

B) Give one example for each type of exception:

    a. Arithmetic exception

    b. Null Pointer exception

    c. ArrayIndexOutofBound Exception

C) What is a usage of BufferReader class.? Explain following methods with example

(5)

    i)read() ii)readline()

Q4. Answer the following

A) What is the purpose of exception handling and how it is handled? (2)

B) Explain garbage collection in java with example. (3)

C) Using diagram explain the relation between class and objects. (5)

Q5. Answer the following

A) What is multiple inheritance in java. (2)

B) Explain function template. Give an example (3)

C) Explain abstract class with example. What is virtual base class? (5)

Roll No:

Total No. of Questions: 05

B.C.A Semester End Examination
Management Accounting - BCA303
Semester III

Total number of pages:

Duration: 2 Hrs.

Maximum Marks: 50

Instructions 1) *All questions are compulsory*
2) *Figures to the right indicate maximum marks allotted.*
3) *Provide sufficient margin space in the answer-book for recording marks.*
4) *Enter the appropriate main & sub-question numbers in the answer-book.*
5) *Show important working notes as fair work.*
6) *From Q.No.2 to Q.No5 answer A or X questions.*

Q.1.A Fill in the blanks

(5 x 1Mark)

i. Preparation of financial accounts in compulsory for_____.
ii. The costs that remain fixed regardless of the quantity of production is_____.
iii. Budgetary control is a system of controlling the _____of the business.
iv. The word standard means_____.
v. Reporting is not equivalent to_____.

Q.1.B Answer the following in one line.

(5 x 1Mark)

1. Define a master budget.
2. What is an internal report.
3. What is management accounting?
4. What is standard costing?
5. What is a break even point?

Q.2.A Jupiter textiles is expected is expecting to have a an opening balance of 54000 as on 1st April 2011 and it requests you to prepare cash budget fort three months April , May and June. The following information is supplied to you.

(10 marks)

Mon th	Sales (Rs)	Purchases (Rs)	Wages (Rs)	Expenses (Rs)
February	92,000	50,000	8,000	5,000
March	80,000	62,000	8,500	6,000
April	1,00,000	70,000	9,000	7,000

				8,000
			9,500	7,000
		85,000	10,000	
May	1,40,000	80,000		
June	1,60,000			

Additional information:

a) Period of credit allowed by suppliers is two months.
b) 15% of sales is cash and period of credit allowed to customers for credit sales is one month.
c) Delay in payment of wages and expenses is one month.
d) Salaries worth Rs30, 000 is to be paid in the month of June.

Q.2.X The expenses for budgeted production of 10,000 units in a factory are furnished below.

Particulars	Per Unit
Raw material	70
Labour	25
Variable overheads	20
Fixed overheads (100000)	10
Administrative expenses (50,000)	5
Selling expenses (10 % fixed)	13
Distribution expenses (20% fixed)	7
Total cost of sales per unit	150

Prepare a flexible budget for production of 8,000 units 6,000 units Calculate the cost per unit at both levels

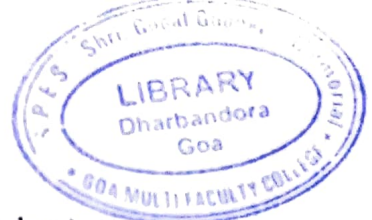Assume that administration expenses are fixed for all level of production

Q.3.A The following figures for profit and sales are obtained from the accounts of Neptune traders.

Year	Sales (Rs.)	Profit (Rs.)
2012	1,00,000	15,000
•2013	1,20,000	23,000

Calculate:
(i) P/V ratio;
(ii)Fixed Cost; and
(iii)Profit at sales Rs. 40,000;
(iii)Break-Even Sales
(iv)Sales to earn a profit of Rs. 5,000.

(10 marks)

Q.3.X Uranus Company produces a single article. Following cost data is given about its product:

Selling price per unit	Rs.40
Marginal cost per unit	Rs.24
Fixed cost per annum	Rs. 16000
Output	3000 units

Calculate

(a) P/V ratio

(b) break even sales

(c) sales to earn a profit of Rs. 2,000

(d) Profit at sales of Rs. 60,000

(e) New break even sales, if price is reduced by 10%.

Q.4.A. i. Explain the concept of standard costing and different variances.   (5*2=10 marks)

   ii. Explain the various limitations of Standard Costing.

OR

Q.4.X " Budgetary control means worrying before work rather than worrying after ". Justify the statement.   (10 marks)
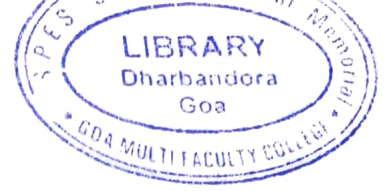
Q.5.A Explain the various kinds of reports that help managers to take various decisions. (10 marks)

OR

Q.5.A.i. Enumerate the various objectives of Management Reports.   (10 marks)

   ii. Write a note on essentials of reports

***************ALL THE BEST********************

Roll No:

Total No: of Questions: 05

Total No: of pages: 03

BCA Semester End Examination

OBJECT ORIENTED CONCEPTS (BCA301)

Semester III

Duration: 02 Hrs.

Maximum Marks: 50 Marks

Q 1.A Select the appropriate option and rewrite the statement   (5*1=5)

I.   Aggregation is_____ association.

    a. Directional

    b. Indirectional

    c. Semidirectional

    d. Composition

II.   _____ is abstract method in java.

    a. public abstract int sumOfTwo(int n1, int n2){};

    b. int sumOfThree(int n1, int n2, int n3);

    c. public abstract int sumOfTwo(){};

    d. public abstract int sumOfTwo(int n1, int n2);

III.   A Constructor that does not have any parameters is called_____ Constructor.

    a. Custom

    b. Dynamic

    c. Static

    d. Default

IV. If a class is declared abstract, it cannot be instantiated.

    a. True

    b. False

V. Destructor has the same name as the constructor and it is preceded by _____ .

    a. !

    b. ?

    c. ~

    d. $

(5*1=5)

B. Answer the following.

i. Write at least two rules for operator overloading.

ii. List least two unary operators that can be overloaded.

iii. List any two file modes used in files.

iv. What is generic programming?

v. What relationship does aggregation represents?

Q2. Answer the following (10)

A. What is this() and super() with respect to constructors in java? (2)

B. How files can be manipulated in java program? (3)

C. Compare procedure-oriented and object oriented paradigms. (5)

Q3. Answer the following (10)

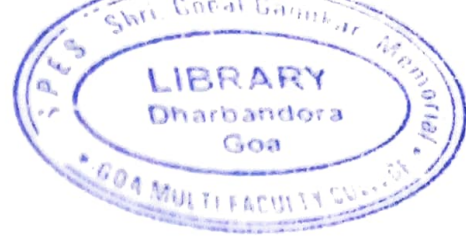A. Explain the concept used in following code (2)

Box B1=new Box();

Box B2=new Box();

Box B3;

B3=B1+B2;

B. What is function template? Give an example. (3)

C. What is encapsulation? Explain with example. (5)

Q4. Answer the following (10)

A. What is the difference between "abstract" classes and interfaces? (2)

B. Differentiate between function overloading and function overriding. (3)

C. What is inheritance? Explain the type of inheritance. (5)

Q5. Answer the following (10)

A. What is stream? List the standard streams in java. (2)

B. What is the purpose of following keywords in java (3)

    a. public

    b. private

    c. protected

C. What is exception? Explain exception handling mechanism with example. (5)

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BCA Semester End Examination

Communication & Presentation Skills BCA307

Semester: III

Duration: 02 Hrs.

Maximum Marks: 50

Instructions:

- *Figures to the right indicate maximum marks allotted*
- *Provide sufficient margin space in the answer-book for recording marks.*
- *Enter the appropriate main & sub-question numbers in the answer-book*

Q1.A] Answer the following in not more than 3-4 lines.   [05 Marks]

A. How did Peter Little define communication in his book 'Oral and Written Communication?'

B. Give one reason why communication is important in Business

C. What is feedback?

D. List any two objectives of communication.

E. What is interpersonal communication?

Q1.B] Answer the following state whether it's true or false   [05 Marks]

A. The Channels of authority become the lines of communication in a company for passing information.

B. Under communication is a problem of downward communication.

C. Anonymous communications are those on which everyone agreed.

D. Slanted stories are told by supervisors to their superiors.

E. Upward communication helps to find out how the worker are progressing

Q2] Answer any one of the following   [10 Marks]

A. What are the characteristics of Human Communication?

B. Do you agree with the statement, 'Effective Communication is largely dependent on an effective sender and receiver?' Why?

[10 Marks]

Q3] Answer any one of the following

A. What is meant by the terms "Channels of Communication" and "Lines of Communication"? Why should management try to keep the lines of communication as short as possible?

B. Why does oral communication sometimes result in over communication? How can this problem be overcome?

[10 Marks]

Q4] Answer any one of the following

A. Explain the basic technique of holding an interview?

B. Show how interviews are a part of the two-way communication process?

[10 Marks]

Q5] Answer any one of the following.

A. Why is it important for professionals to develop appropriate presentations skills?

B. What are the different types of audience members that a presenter can encounter? How to deal with them?

BCA Semester End Examination
Introduction to Economics
Semester III

Duration: 02 Hrs

Maximum Marks: 50

Q1) Answer the following (5X2=10)

A. Explain the Origin and different definitions of Economics.

B. What are the assumptions to the Law of Demand.

Q2. Answer the following (5X2=10)

Ai) What do you mean by Positive Economics

ii) Explain the Shift in the Demand Curve.

OR

Xi) Explain the features of Monopoly market.

ii) Explain the features of Oligopoly market.

Q3). Answer the following. (5X2=10)

Ai) Explain the relationship between Total and Marginal Utility.

ii) Explain the difference between Static and Dynamic equilibrium.

OR

Xi) Explain the meaning and types of Cross elasticity of demand.

ii) Explain the difference between Point Elasticity and Arc elasticity of demand.

Q4. Answer the following (5X2=10)

Ai) Explain the law of variable proportion.

ii) Explain the law of Returns to Scale.

OR

Xi) Explain the Relationship between Diminishing Marginal Utility and Demand.

ii) Explain the determinants of Demand.

(5X2=10)

Q5. Answer the following

Ai) Explain Modern theory of rent.

ii) Explain David Ricardian theory of rent.

OR

Xi) Explain the Liquidity Preference theory of rent.

ii) Distinguish between Real and Nominal wages.

Total No: of Questions: 05
Total No: of pages: 03

BCA Semester End Examination
Management Accounting- (BCA-303)
Semester: III

Duration: 2 Hrs.

Maximum Marks: 50 marks

Instructions: 1) All questions are compulsory
2) Figures to the right indicate maximum marks allotted
3) From Q.No.2 to Q.No.5 answer A or X question
4) Provide sufficient margin space in the answer book to record marks
5) Enter the appropriate main & sub question number
6) Show important working notes as fair work

Q.1. .a) What are the tools & techniques used in management accounting? **(5 marks)**

b) Differentiate between Management & Financial Accounting? **(5 marks)**

Q.2.A. Following figures for profits and sales are obtained from accounts of Ashapura Ltd. Traders. **(10 marks)**

Year	Sales	Profit
2012	1,00,000	15,000
2013	1,20,000	23,000

Calculate:- i) P/V Ratio
ii) Fixed Cost
iii) Profit at sales Rs. 40,000
iv) Sales at profit of Rs. 5000
v) Break-Even Sales

OR

Q.2.X. Pluto Co. produces single article. Following data is available. **(10 marks)**

Selling Price per unit= Rs.40
Variable Cost per unit = Rs.24
Fixed Cost= Rs.16,000
Output= 3000 units

Calculate:- i) P/V Ratio
ii) Break-even Sales
iii) Profit at sales Rs.2000
iv) Sales to earn a profit of Rs.60,000
v) New Break-even sales is Selling Price is reduced by Rs.10

Q.3. A) Following is the cost of production of 6000 units in factory given below. **(10 marks)**

Particulars	Amount (per unit)
Raw Material	100
Labour	40
Variable Factory Overhead	30
Fixed Factory Overhead (1,00,000)	20
Administrative Expenses (10% variable)	20
Selling Expenses (20% fixed)	12
Distribution Expenses (5% variable)	10
Total Cost of Sales	232

You are require to prepare budget when production capacity at 4000 units & 7000 units.

OR

Q.3.X) M/s Aatma Ltd. Manufacturers 2 products namely A & B. They sell them in two cities of Goa. Following information is provided.

Particulars	Types	Budgeted Sales	Actual Sales
Panjim	A	800@ Rs.10	900@ Rs.10
	B	600@ Rs.24	500@ Rs.24
Margao	A	1200@ Rs.10	1300@ Rs.10
	B	1000@ Rs.24	900@ Rs.24

In the future budget prepared it was decided that price of Product A is to be increased by Rs.5 Whereas product B may be reduced by Rs.4, to increase the sales.

On the above basis the following estimates are prepared:

Product	% increase over current budget in Panjim	% increase over current budget in Margao
A	+10%	+15%
B	+20%	+25%

Prepare the following budget for sales incorporating the above changes. **(10 marks)**

Q.4.A. a) Explain the concept of standard costing & mention the different variances.

(5 marks)

b) How is standard costing advantageous for management? (5 marks)

OR

Q.4.X. "Budgetary control helps in fixing the goals of the organization." Explain how?

(10 marks)

Q.5.A. What is Management Reporting? Explain the different types of reports. (10 marks)

OR

Q.5.X. What is Marginal Costing? How it is beneficial for management in taking decisions?

(10 marks)