



BCA(Part-1)-EXAMINATION, 2010

Management and Accounting

(BCA-01)

Time allowed : Three Hours

Maximum Marks : 50

Part-A(Compulsory) {Marks:10}

Answer all ten questions (20 words each). Each question carries equal marks.

Part-B(Compulsory) {Marks:10}

Answer all five questions (50 words each). Each question carries equal marks.

Part-C {Marks:60}

Answer three questions (400 words each). Each question carries equal marks.

Part-A

1. (i). Define 'Coping mechanism'.
- (ii) Write down the formula for calculating break-even point.
- (iii) Write down the formula for calculating 'Current-Ratio'.
- (iv) Write down the formula of "Three Column Cash Book".
- (v) What is Planning ?
- (vi) Define "Communication".
- (vii) What is positive Motivation ?
- (viii) What do you mean by Democratic Leadership ?
- (ix) Explain the term "Stress Management".
- (x) Define "Going Concern Concept".

Part-B

2. Why "Cross cultural conflicts" arises ?
3. Explain the types of stress management.
4. What do you mean by "Master Budget"?
5. What is "Conflict Management" ?
6. Calculate Break-even point from the following :
Fixed cost Rs. 10,000
Sales per unit Rs. 10

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Variable factory cost Rs. 4 per unit

Variable selling overhead per unit Rs. 2

Part-C

7. Describe the role of electronic media in communication.

OR

Explain the theories of motivations.

8. Journalise the following transaction :

- a. Business started with a cash of Rs. 50,000 and furniture worth Rs. 25,000.
- b. Goods purchased from hari Rs. 20,000.
- c. Goods returned to hari Rs. 2000
- d. Payment made to hari after allowing 2% discount.
- e. Personal drawing Rs. 2000.
- f. Goods sold to Ram worth Rs. 20,000 after allowing trade discount of 10%.
- g. Cash received from Ram in full settlement of its dues.
- h. Salary paid to Ramavatar by cheque Rs. 4,000
- i. Furniture purchased worth Rs. 2,000
- j. Goods given on-charity costing Rs. 200.

OR

What do you understand by Leadership ? Discuss the significance of leadership in modern business.

9. Briefly discuss the various schools of management thoughts.

OR

Compute the following:

- (i) P/V Ratio
- (ii) BEP
- (iii) Sales to earn a profit of Rs. 3,00,000
- (iv) Margin of safety at a sale of Rs. 1,50,000

	Period I	Period II
Sales	100000	200000
Profit	20000	60000



B.C.A. (Part I) Examination, 2010
COMPUTER FUNDAMENTALS

Time allowed : Three Hours

Max. Marks : 50

Part-A (Compulsory)

(Marks : 10)

Answer all ten questions (20 words each).

Each question carries equal marks.

Part-B (Compulsory)

(Marks : 10)

Answer all five questions (50 words each).

Each question carries equal marks.

Part-C

(Marks : 30)

Answer all three questions (400 words each).

Each question carries equal marks.

PART – A

Each question carries 1 mark.

1. What are various components of computer system?
2. What do you mean by application software?
3. List any four input and output devices.
4. What is Boolean algebra?
5. What is IP address?
6. What does the following stand for:
 - i) EBCDIC
 - ii) EPROM
 - iii) SXGA
 - iv) MICR
7. Subtract 5 from 23 using binary number system.
8. What do you understand by data warehousing?

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9. Define the term Nibble and Byte.
10. What is auxiliary memory?

PART – B

Each question carries 2 marks.

11. What is the difference between Liquid crystal display and plasma display?
12. Prepare the truth table and logic diagram for the following Boolean expressions:
 $(A+B). (A + B)$

13. What is internet? How it is different from intranet? Define the various services of internet.
14. Convert the following:

i) $(100101011)_2 = (?)_8$

ii) $(100101010001)_2 = (?)_{16}$

iii) $(0.245)_{10} = (?)_2$

iv) $(723)_8 = (?)_2$

15. What are various applications of computer in education?

PART – C

Each question carries 10 marks.

16. Draw a block diagram of a computer. Explain the function of each of the blocks. Define the classification of computer.

OR

Write the differences between:

- i) Primary and Secondary memory
- ii) TCP and UDP

17. What do you mean by logic gates? Simplify the following Boolean function in SOP and POS forms by means of K-Maps.

$$F(A,B,C,D) = \sum (0,2,8,9,10,11,14,15)$$

Also draw the logic diagram.

OR

What do you mean by internet accounts? Define the types of internet accounts. Define the required resources for internet.

18. Write short note on the following:
 - i) System software
 - ii) Flash memory

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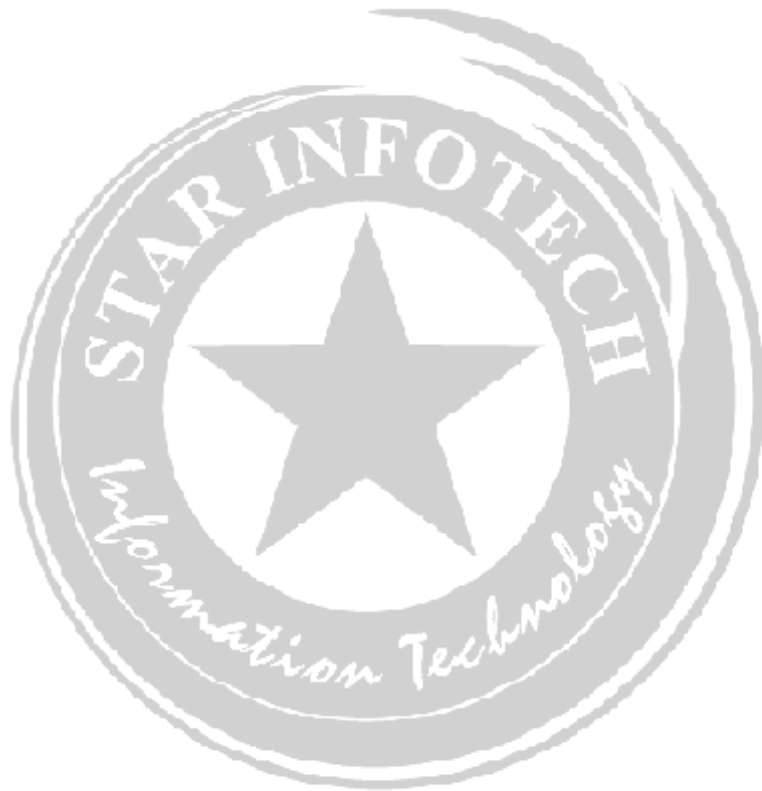


iii) Types of website

iv) User interface

OR

What is computer virus? What are its various types? What are the remedies available for computer viruses?





B.C.A. (Part I) Examination, 2010

PC SOFTWARE

Time allowed : Three Hours

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(Marks : 10)

Answer all ten questions (20 words each).

Each question carries equal marks.

Part-B (Compulsory)

(Marks : 10)

Answer all five questions (50 words each).

Each question carries equal marks.

Part-C

(Marks : 30)

Answer all three questions (400 words each).

Each question carries equal marks.

PART – A

1. What is title bar in MS-Windows?
2. Write function of run command in MS-Windows.
3. What is difference between cut and copy tool?
4. Explain paste special in MS-Word.
5. Why auto correct option used in MS-Word?
6. What is slide-show in PowerPoint?
7. Write extension of excel file.
8. What is record in MS-Access?
9. How can you show the hidden files and folders in windows explorer?
10. How can you set size of Recycle Bin?

PART-B

1. Explain how to format a floppy in GUI and CUI environment.
2. What do you understand by disk fragmentation?

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3. Explain standard tool-bar in MS-Word.
4. What is difference between ScanDisk and checkdisk?
5. How to create a queries in MS-Access?

PART-C

1. Describe the concept of GUI. Explain the functions of accessories. Explain Calculator, Notepad and WordPad programs of windows. How can create and setting up a new dial-Up-Account.

OR

What is the role of Control Panel in MS-Windows? Describe basic task of various options (icons) available in control panel?

2. Discuss the utility of mail-merger facility in MS-Word. Write step-by-step procedure to create a mail-merge document with merging a database.

OR

Explain different types of charts in MS-Excel. Explain the concept and use of macros. Explain the statistical functions with an example.

3. What is relationship in MS-Access? How many types of relationship we can create in MS-Access? Also explain import and link table function in MS-Access.

OR

Explain how an organization chart can be inserted into a slide in MS-PowerPoint? Give the steps, and describe OLE in MS-PowerPoint.



B.C.A. (Part I) Examination, 2010
FUNDAMENTALS OF C PROGRAMMING

Time allowed : Three Hours

Max. Marks : 50

Part-A (Compulsory)

(Marks : 10)

Answer all ten questions (20 words each).

Each question carries equal marks.

Part-B (Compulsory)

(Marks : 10)

Answer all five questions (50 words each).

Each question carries equal marks.

Part-C

(Marks : 30)

Answer all three questions (400 words each).

Each question carries equal marks.

PART – A

1. What is the use of F₉ and F₁₀ Function Key in 'C' language?
2. Define the 'C' tokens.
3. What is initialization? Why it is important?
4. Write 'C' assignment statements to evaluate the following equations:

$$\text{i) } T = \frac{2M_1M_2}{M_1+M_2} \cdot g$$

$$\text{ii) } S = \sqrt{a^2 + b^2 - 2ab \cos(x)}$$

5. What do you understand by % w.p.f?
6. What is the use of 'break' statement in 'C' program?
7. Explain the need for array variables.
8. What is likely to happen when actual arguments are less than the formal arguments in a function?

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9. What is meant by nested structure?
10. Distinguish between (*p) [4] and *p[4].

PART – B

1. What is “Enumerated Type” variable in C language? Explain with a suitable example.
2. Write a C program to swap two numbers using pointers.
3. Write a C program to concatenate two strings.
4. Explain the meaning and purpose of following :
 - a) Template
 - b) TagName
 - c) Struct
 - d) getch()
5. Describe the use and limitations of the function getc() and putc().

PART – C

1. a) Write a program which accepts integer number and prints the sum of digits. 7
- b) Explain Exit controlled by Entry controlled loop. 3

OR

- a) Write a C program to find maximum value out of 25 elements in an array. 7
- b) Explain ternary statement in C language. 3
2. What is an operator/ Explain different types of operators available in C language.

OR

Write a C program to print the multiplication results of 2-D array.

3. Explain different branching statements of C language. Also give graphical representation for each.

OR

Define a structure for a student having Name, RollNo and Marks obtaining in five subjects. Write a C program to print the Name and Rollno of students in order to Total Marks secured. (Higher to lower order)



B.C.A. (Part I) Examination, 2010
DATA STRUCTURE AND ALGORITHM

Time allowed : Three Hours

Max. Marks : 50

Part-A (Compulsory)

(Marks : 10)

Answer all ten questions (20 words each).

Each question carries equal marks.

Part-B (Compulsory)

(Marks : 10)

Answer all five questions (50 words each).

Each question carries equal marks.

Part-C

(Marks : 30)

Answer all three questions (400 words each).

Each question carries equal marks.

PART – A

Define the following terms:

- i) Composite data types
- ii) Single linked list
- iii) Searching
- iv) Sorting
- v) Algorithm
- vi) File
- vii) Time complexity
- viii) Weighted graph
- ix) Hashing
- x) Recursion

PART – B

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Differentiate between:

- i) Stacks and Queues
- ii) Internal sorting and External sorting
- iii) Doubly linked list and Circular linked list
- iv) Prefix and Postfix
- v) BFS and DFS

PART – C

- i) Define Queue as important Data-structure. Explain different operations that can be performed as Queues. (4+6)
- ii) Write an algorithm of binary search with suitable example. (10)
- iii) Write pre-order, post-order and in-order traversal algorithm for binary trees. (3.5+3.5+3)





B.C.A. (Part I) Examination, 2010

MULTIMEDIA BASIC

Time allowed : Three Hours

Max. Marks : 50

Part-A (Compulsory)

(Marks : 10)

Answer all ten questions (20 words each).

Each question carries equal marks.

Part-B (Compulsory)

(Marks : 10)

Answer all five questions (50 words each).

Each question carries equal marks.

Part-C

(Marks : 30)

Answer all three questions (400 words each).

Each question carries equal marks.

PART – A

1. Define Multimedia.
2. What is CODEC?
3. What is VR?
4. What is Web Browser?
5. What is Hypertext?
6. Name the technique used for image compression.
7. Write the syntax for Anchor Tag.
8. Write the syntax for Marquee Tag.
9. Write the syntax for IMG Tag.
10. What is the use of BLOCKQUOTE Tag?



PART – B

1. What is the hardware requirement of MM?
2. What is List? Explain different types of list.
3. What are the advantages of using MM?
4. Explain the category of HTML Tags.
5. What is MIDI sound? Explain.

PART – C

1. What is speech recognition and synthesis? Describe the application where it is used.

OR

How is HTML different from DHTML? Explain how to use style sheet with example.

2. Write down the design methodology to develop a multimedia application.

OR

Write the HTML code for following layout using frames. The underlined word phrases are hyperlinks and they should always open in another frame.

Input Device	Storage Device
Output Device	<ul style="list-style-type: none"> • Hard disk
Storage Device	<ul style="list-style-type: none"> • Floppy disk • Compact disk

3. What is DVI technique? Explain the time based media representation and delivery technique.

OR

Write the code for following executive form in HTML.

**EXECUTIVE FORM**Name : Father's/Husband name E-mail id : Sex Male FemaleEducational Qualification : ▼Which type of job you want Permanent Adhoc