

B.L.D.E. Association's
S.B. Arts and K.C.P. Science College, Vijayapura – 586103
I Internal Assessment Test for the Academic year 2022 – 23

Max. Marks :- 30

Subject :- Accountancy

Max. Time :- 01 hour

Course :- BCA I Semester

Section – A

I. Answer any **Seven** questions of **Two** marks each.

[2 * 7 = 14]

- a. Define Accounting
- b. Name kinds of business transactions
- c. What is Assets give examples
-  d. What is Liability give examples
- e. Write the rules of Personal account
- f. Write the rules of Real account
- g. Write the rules of Nominal account
- h. What is Accounting concept
- i. What is Accounting convention

n. Journalize the following transactions of M/s. Tanmai Trading Co. Ltd. Bengaluru

2022.

- June 1. Started business with Cash Rs. 20,000, Goods Rs. 20,000 & Furniture Rs. 5,000
- June 2. Deposited into SBI bank Rs. 8,000
- June 5. Purchased goods from Ram & Co. Rs. 15,000
- June 8. Paid Ram & Co. Rs. 14500 and they allowed us discount Rs. 500
- June 10. Sold goods to Shankar Rs. 25000
- June 12. Received cash from Shankar Rs. 23500 and allowed them discount Rs. 1500
- June 30. Purchased stationery Rs. 100
- June 30. Paid for postage stamps Rs. 50

Section – B

II. Answer any **Four** questions of **Four** marks each. [4 * 4 = 16]

-  j. Explain in brief about different types of the Accounting concept
- k. Explain in brief about different types of the Accounting convention
- l. State the various classes of accounts & its rules
- m. Explain in brief about the branches of Accounting

B.L.D.E.A's
S.B. Arts & K.C.P Science College, Bijapur.
B.C.A – I Semester
I – Internal Test 2022 -23

Date: 1/12/2022

Time: 1.00 – 2.00 pm

Total Marks: 30

Q I) Answer the followings:

(1*5=5)

1. Define equal sets.
2. Define Compliment of set.
3. What are the possible truth values for given Praposition P&Q.
4. Define Relation.
5. What are venn diagrams.

QII) Answer the followings:

(5*4=20)

6. If $A = \{3, 5, 7\}$, $B = \{6, 7, 8\}$ & $C = \{7, 8, 9\}$, then find $(A - B) \times (B - C)$
7. If $A = \{x | x^2 - 1 = 0\}$, $B = \{1, -1, 2, 3\}$ find $(B \cap A) \times A$.
8. If $f: R \rightarrow R$ and $g: R \rightarrow R$, be defined by $f(x) = x^2$ & $g(x) = x + 2$, find $\text{gof}(-2)$, $\text{fog}(1)$.
9. What is logical equivalence? P.T $\sim(p \vee q) \equiv \sim p \wedge \sim q$

QIII) Answer any ONE of the followings:

(5*1=5)

10. Define power of a set ? Write the subsets of $A = \{a, b, c\}$
11. Construct a truth table for the given Praposition. $(p \wedge q) \rightarrow (r \wedge \sim q)$

B.L.D.E.A's
S.B. Arts & K.C.P Science College, Vijayapur.
B.Sc. – I Semester
I – Internal Test 2022-23

Sub: Digital Fluency

Date: 17/12/2022

Time: 9.00 – 10.00 am

Total Marks: 20

I Answer all the following questions. 1*20=20

1. Who is the father of Computers?
 - a) James Gosling
 - b) Charles Babbage
 - c) Dennis Ritchie
 - d) Bjarne Stroustrup
2. Which of the following is not a characteristic of a computer?
 - a) Versatility
 - b) Accuracy
 - c) Diligence
 - d) I.Q.
3. Expand CPU
 - a) Control processing unit
 - b) Central processing unit
 - c) Computer processing unit
 - d) Computer program unit.
4. Which of the following are physical devices of a computer?
 - a) Hardware
 - b) Software
 - c) System Software
 - d) Package
5. A computer system includes
 - a) Hardware
 - b) Software
 - c) Peripheral devices
 - d) All of these
6. Identify the Input device:
 - a) Projector
 - b) Light pen
 - c) Monitor
 - d) printer
7. In how many generations a computer can be classified.
 - a) 4
 - b) 5
 - c) 6
 - d) 3
8. Computer size was very large in
 - (a) First generation
 - (b) Second generation
 - (c) Third generation
 - (d) Fourth generation
9. Identify the example of AI.
 - a) Siri
 - b) Database
 - c) Operating system
 - d) Big data
10. Abbreviation of IOT
 - a) Information of things
 - b) Internet of things
 - c) Internet of thoughts
 - d) Internet of tools

11. Types of Software

- a) Application software
- b) System software
- c) Application software and System software
- d) none of the above

12. Which one of the following is not an IOT device?

- a) Smart mobiles
- b) Google Home
- c) Smoke Alarm
- d) self-driving cars

13. ----- is a Collection of data that is huge in Volume.

- a) Big Database
- b) big DBMS
- c) Big Data
- d) Data

14. What is the full form of DBMS?

- a) Database Management Service
- b) Database Management System
- c) Database Backup System.
- d) Database Manage System.

15. Who is Father of Artificial Intelligence?

- a) John Murty
- b) John Mohan
- c) John McCarthy
- d) John Meher

16. Which of the following is a subset of Machine Learning?

- a) Artificial intelligence
- b) Machine Learning
- c) Deep Learning.
- d) Neural network

17. Storage devices of a computer system are divided into two categories those are

- a) RAM
- b) ROM
- c) Memory unit
- d) Primary storage and secondary storage

18. The third generation computer were developed by using the ----- technology.

- a) Transistors
- b) Microprocessors
- c) Integrated Circuits
- d) Vacuum Tubes

19. Which of the following is the secondary storage device?

- a) read only memory (ROM)
- b) random access memory (RAM)
- c) Hard Disk
- d) Flash memory

20. What is an operating system?

- a) interface between the hardware and application programs
- b) collection of programs that manages hardware resources
- c) system service provider to the application programs
- d) all of the mentioned

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S.B. Arts & K.C.P Science College, Bijapur.
B.C.A – I Semester
I – Internal Test 2022 -23

Sub: Computer Fundamentals

Date: 02/12/2022

Time: 2.30 – 3.30 pm

Total Marks: 30

I Answer any Seven of the following questions.

2*7=14

- 1) Define Computer.
- 2) List the Characteristics of Computer
- 3) What is register
- 4) Define cache memory.
- 5) List any 5 output Devices
- 6) What is Operating System?
- 7) What is the use of head and tail command?
- 8) Write the syntax and example for ls command

II Answer any Four of the following questions.

4*4=16

- 1) Discuss about Types of memory chips
- 2) Explain any 4 Input Devices
- 3) Briefly Explain Generations of Computers
- 4) With neat diagram explain Basic Organization of Computer
- 5) Write a Short note on Processor
- 6) Discuss about the classification of Digital Computers

B.L.D.E.A's
S.B.Arts and K.C.P Science College, Vijayapur
BCA Programme
I- Internal Test

Course:I Semester

Subject: C- Programming

Date:03/12/2022

Time: 1.00-2.00 p.m.

Part A

2x7=14 Marks

Answer any **Seven** of the following questions.

1. State any four features of C Programming.
2. Define keywords with example.
3. What is variable? What are rules to construct variable.
4. Explain Syntax with example of printf() and scanf() functions.
5. Write primitive data types of C.
6. List out logical operators in C
7. State Escape Sequence Operators
8. Explain syntax with example of getchar() and putchar() Functions.
9. Write syntax and example of gets() and puts() functions

Part B

4x4=16 Marks

Answer any **Four** of the following questions.

1. Describe Structure of C Program
2. Discuss various Data types of C-programming
3. Describe Arithmetic and Relational Operators in C
4. Write a Program to find Area of a circle.
5. Write a program to calculate Total and Average of any three Subject Marks
6. Explain Syntax with example of if statements.

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S.B. Arts & K.C.P Science College, Bijapur.
B.C.A – I Semester
I – Internal Test 2022 -23
Sub: OEC(PDCS)

Date: 03/12/2022

Time: 2.30 – 3.30 pm

Total Marks: 30

Answer any four questions from the following.

(4*5=20)

1. Explain the dimensions of personality.
2. Mention some of the importance of personality development?
3. Mention factors affecting attitude. Explain the same.
4. What is external motivation? Explain.
5. Explain the process of Personality development.
6. What are the hurdle's in achieving success?

B.L.D.E.A's
S.B. Arts & K.C.P Science College, Bijapur.
B.C.A – I Semester
I – Internal Test 2022 -23
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S.B. Arts & K.C.P Science College, Bijapur.
B.C.A – I Semester

I – Internal Test 2022 -23

Sub: Digital Fluency

Date: 03/12/2022

Time: 4.30 – 5.00 pm

Total Marks: 20

I Answer the following questions.

1*5=5

1. Expand CPU
 - a) Control processing unit
 - b) Central processing unit
 - c) Computer processing unit.
2. Identify the Input device:
 - a) Projector
 - b) Light pen
 - c) Monitor
3. Identify the example of AI.
 - a) Siri
 - b) Database
 - c) Operating system
4. Abbreviation of IOT
 - a) Information of things
 - b) Internet of things
 - c) internet of thoughts
5. Types of Software
 - a) Application software
 - b) System software
 - c) Application software and System software

II Answer any Five of the following questions.

2*5=10

1. What is software? Mention its types.
2. Mention the characteristics of Computer.
3. List any five Input and output devices.
4. What is Artificial intelligence and mention its types?
5. What is Cloud computing?
6. Define Big data.

III Answer any One of the following questions.

5*1=5

1. Explain block diagram of Computer.
2. Define operating system and explain its types.

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B C A Programme
I – Internal Test 2022 -23

Semester III

Sub: Database Management Systems

Total Marks: 30

Date: 17/1/2023

Time: 11:00 to 12:00

7*2=14

I Answer any seven of the following questions.

1. What are the advantages of using a DBMS?
2. List the applications of DBMS. Explain any two.
3. What is a data model? List the types of data model used.
4. Who is a DBA? What are the responsibilities of a DBA?
5. Define instance and schema.
6. Define the terms: a) Physical schema b) logical schema.
7. With usage, discuss DDL commands (any two).
8. With usage, discuss DML commands (any two).

4*4=16

II Answer any Four of the following questions.

1. With neat diagram, describe the DBMS architecture.
2. Write a note on relational data model.
3. Describe: superkey, candidate key, domain constraints and integrity constraints.
4. With usage, Explain any four group functions in DBMS.
5. With usage, discuss DCL commands.

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S.B. Arts & K.C.P Science College, Vijayapur.
B C A Programme
I – Internal Test 2022 -23
Semester III

Sub: Database Management Systems

Total Marks: 30

Date: 17/1/2023

Time: 11:00 to 12:00

7*2=14

I Answer any seven of the following questions.

9. What are the advantages of using a DBMS?
10. List the applications of DBMS. Explain any two.
11. What is a data model? List the types of data model used.
12. Who is a DBA? What are the responsibilities of a DBA?
13. Define instance and schema.
14. Define the terms: a) Physical schema b) logical schema.
15. With usage, discuss DDL commands (any two).
16. With usage, discuss DML commands (any two).

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S.B. Arts & K.C.P Science College, Vijayapur.
B C A Programme
I – Internal Test 2022 -23
Semester III

Sub: C# & .NET Framework
Date: 17/1/2023

Total Marks: 30
Time: 12:30 to 1:30

I Answer any Four of the following questions.

4*2=08

1. Expand CLR,CLS,FCL & MSIL
2. Define class and object
3. What is c# language
4. List out Access Modifiers
5. What is constructor?

II Answer any Three of the following questions.

3*4=12

1. Explain data types.
2. Explain the operators in c#
3. Describe the .NET architecture with diagram.
4. What is CLR? Explain.

III Answer any Two of the following questions.

2*5=10

1. What is Looping? Explain syntax with example.
2. Write a program to demonstrate switch statement.
3. Write a c# program to demonstrate if-else statement

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BCA Programme
I- Internal Test

Course: VI Semester
Date:13/07/2023

Subject: Cyber Security
Time: 2.00-3.0 p.m.

Part A

Answer any **Five** of the following questions

2x5=10 Marks

1. What is cyber security?
2. State the classification of cyber security.
3. Define the term spoofing and hacking
4. Write Indian ITA 2000.
5. Define reconnaissance.
6. What is passive attack?
7. How do you define cyber stalking? Write its types.
8. Define Mishing.

Part B

Answer any **Two** of the following questions

5x2=10 Marks

1. Explain types of cybercrime attacks.
2. Describe data Diddling.
3. Discuss credit card frauds.
4. Explain the plans of criminal attacks
5. List out various classification of Social Engineering.
6. Elaborate types mobility and its implementation.

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S.B.Arts and K.C.P Science College, Vijayapur
BCA Programme
I- Internal Test

Course: VI Semester
Date:13/07/2023

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Time: 2.00-3.0 p.m.

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2x5=10 Marks

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6. What is passive attack?
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Part B

Answer any **Two** of the following questions

5x2=10 Marks

1. Explain types of cybercrime attacks.
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B.C.A.Programme

I – Internal Test 2022-2023

Semester: VI Sem.

Year: 2022-23(CBCS)

Total Marks: 20

Sub: Artificial Intelligence

Date:13- 07-2023

Time:3.30 to 4.30 p.m

I Answer any two of the following questions. 2*2=4

1. Define AI.
2. List out the applications of AI.
3. Discuss the desirable properties of knowledge in AI.
4. Discuss mapping of Representations and Facts.

II Answer any two of the following questions. 2*3=6

1. Discuss the implementation of AI for Question Answering scenario.
2. Define Problem-, Problem Space- and Search- in AI.
3. Discuss using AI, the solution to water jug problem.

III Answer any two of the following questions. 2*5=10

1. Explain Breadth First Search algorithm.
2. Discuss Depth First Search algorithm.
3. Write a note on FOPL
4. Write a note on Matching technique (any two).

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B.C.A.Programme

I –Internal Test 2022-2023

Semester: VI Sem.

Year: 2022-23(CBCS)

Total Marks: 20

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B.C.A.Programme

I –Internal Test 2022-2023

Semester: II Sem.

Year: 2022-23(NEP)

Total Marks: 30

Sub: Data Structures using C

Date:14-07-2023

Time2.00 To 3.00 p.m.

I Answer any 4 of the following questions.

2*4=8

1. Define Data Structure.
2. What is pointer? Give example.
3. What is Recursion?
4. List all the techniques of sorting
5. List the Dynamic memory allocations.

II Answer any three of the following questions.

4*3=12

1. Write the operations on data structure.
2. Explain the types of Recursion
3. Explain the classification of data structure
4. Write a program to find the binomial Co-efficient by using Recursion.

III Answer any two of the following questions.

5*2=10

1. Differentiate Iterative and Recursive functions.
2. Write a 'C' program to sort the n elements using Bubble sort.
3. By using selection sort trace the following numbers 45,23,78,55,90,12,22
4. Write a program to search a number by using linear search.

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B.C.A.Programme

I –Internal Test 2022-2023

Semester: II Sem.

Year: 2022-23(NEP)

Total Marks: 30

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3. By using selection sort trace the following numbers 45,23,78,55,90,12,22
4. Write a program to search a number by using linear search.

I Answer any 4 of the following questions. $2 \times 4 = 8$

1. List out the features of python programming.
2. List out the commands involved in installation of python. Explain simple program.
3. Write a note on identifiers and keywords in python.
4. Discuss various operators in python.
5. Define TAT.

II Answer any three of the following questions. $4 \times 3 = 12$

1. Write a python program to solve quadratic equation
2. .
3. Demonstrate the scope and lifetime of a variable in python.
4. Explain the usage of RAW and UNICODE strings in python.
5. Demonstrate any 8 string operations using python.

III Answer any two of the following questions. $5 \times 2 = 10$

1. Write a python program to demonstrate exception handling.
2. Demonstrate and explain the stack using python program.
3. Discuss the flow control-, loop- statements in python.

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