First Semester BCA Degree Examinations
May / June 2022
(2021-22 NEP Scheme)

Paper : NBA 0210 : FUNDAMENTALS OF COMPUTER

Time : 2 Hrs.

Max. Marks : 60

1. **Answer the following:**

(10x1=10)

i. Father of Computer is ....
   - (a) John Von Newmann
   - (b) Charlu Babbage
   - (c) Blaise Pascal
   - (d) Bill Gates

ii. How many generation of computer can be classified
   - a) 8
   - b) 7
   - c) 6
   - d) 5

iii. Fifth generation computer are based on
   - a) Artificial intelligence
   - b) Vaccum Tubes
   - c) System Knowledge
   - d) VLSI

iv. Which of the following memory is non-volatile
   - (a) S RAM
   - (b) D RAM
   - (c) ROM
   - (d) CD

v. Which one of the following is not an application Software package:
   - a) Windows
   - b) MS - Office
   - c) Adobe
   - d) Picasa

vi. The 0 and 1 in the binary number system are called binary digit or _____.
   - a) Bytes
   - b) Kilobytes
   - c) Gigabytes
   - d) Bits

vii. Which of the following is the most powerful types of the computer
   - a) Mainframe
   - b) Microcomputer
   - c) Minicomputer
   - d) Super computer

viii. Which of the following is not an example of DBMS:
   - a) MYSQL
   - b) MS - Access
   - c) Oracle
   - d) Google

ix. Which of the following is not a function of the database:
   - a) Managing Stored data
   - b) Manipulating data
   - c) Security for stored data
   - d) Analysing Code

x. Server are computer that provide resource to other computer connected to a ...
   - a) Mini Computer
   - b) Mainframe Computer
   - c) Super Computer
   - d) Network

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Answer any FIVE of the following: (5x3=15)

2. Define Computer ? Mention the characteristics of Computer.
3. Define an Assembler, Compiler and Translator.
4. Explain the classification of Digital Computer System.
5. Explain the functions of Operating System.
6. What is DBMS ? Mention the applications of DBMS.
7. What is internet ? Mention the applications of internet.
8. Define web browser, list the various web browser.
9. Define : i) Algorthm   ii) Flowchart   iii) Pseudo Code

Answer any THREE questions from the following: (3x5=15)

10. Explain the Basic organization of a digital computer.
11. Explain how CPU and memory works.
12. Explain the classifications of Operating System.
13. Differentiate between file system and DBMS. List the advantages of DBMS.
14. Explain services of Internet and write a note on Internet Services provider.

Answer the following: (2x10=20)

15. a) What is Software ? Explain types of Software.
    b) Explain the different symbols used in flowchart.
    c) Explain the Boolean Operators with truth table.   (3+3+4)

OR

a) Explain the Anatomy of Computer.
b) Explain the program execution with illustrative example.   (5+5)

16. a) Brief Unix Operating System.
    b) List and explain any six basic unix commands.
    c) Write a note on data types in SQL.   (3+3+4)

OR

a) Differentiate between system program and application program.
b) Explain the features of internet.
c) Explain:

   i) URL   ii) http   iii) CSS   (4+3+3)

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