

97661

**BCA I<sup>th</sup> Semester Full and Reappear  
Examination, November-2023  
COMPUTER AND PROGRAMMING  
FUNDAMENTALS  
Paper-BCA-101**

*Time allowed : 3 hours] [Maximum marks : 80*

*Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

**Note :** Attempt five questions in all, selecting one question from each unit. **Question no.1 is compulsory.**

1. (a) Define Memory.  
(b) Explain Characteristics of Computer.  
(c) What do you mean by Software?  
(d) Explain Operating System.  
(e) What do you mean by Debugging?  
(f) Define Structured Programming.  
(g) Explain MAN with its advantages.  
(h) Define Networking.

8×2=16

**Unit-I**

2. Differentiate:
  - (a) Primary Memory and Secondary Memory
  - (b) Magnetic Tape and Magnetic Disk
  - (c) Human being and Computer

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3. (a) Draw a block diagram of Computer with its Components. 8  
(b) Define Computer with its characteristics and limitations. 8

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**Unit-II**

4. (a) Explain Input and Output Devices in detail. 8  
(b) Define virus with its types in detail. 8
5. (a) Define operating system with its functions. 8  
(b) Difference between :  
(i) Single user and Multi User Operating System  
(ii) Multiprogramming and Multitasking 8

**Unit-III**

6. (a) Define structured programming with its advantages and disadvantages. 8  
(b) Explain :  
(i) Debugging  
(ii) Documentation  
(iii) Assembler 8
7. (a) Explain Structured Programming. Also explain top-down and bottom-up programming. 8  
(b) Define Programming language with its characteristics. 8

**Unit-IV**

8. (a) What do you mean by Networking ? Also explain the network types in detail. 8  
(b) Define Network Topologies. 8
9. Define:  
(a) Forms of Data Transmission 8  
(b) Application of Intranet 8