

Roll No. ....

**97661**

**BCA 1st Semester**

**Examination – December, 2022**

**COMPUTER & PROGRAMMING FUNDAMENTALS**

Paper : BCA-101

*Time : Three Hours ]*

*[ Maximum Marks : 80*

*Before answering the questions, 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. Q. No. 1 is compulsory.

1. Write short notes on following : 16

- (i) RAM
- (ii) Keyboard
- (iii) Assembly language
- (iv) LAN

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### UNIT - I

2. Define computer. Describe the block diagram of computer along with its components. 16
3. Explain the following : 16
  - (i) Cache memory
  - (ii) Flash memory

### UNIT - II

4. Define computer hardware and software. Explain types of software. Also explain the relationship between hardware and software. 16
5. Explain the following : 16
  - (i) Antivirus software
  - (ii) Functions of operating system

### UNIT - III

6. Describe the following : 16
  - (i) Forth generation languages
  - (ii) Characteristics of good programming language

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7. Give a complete description about structured programming. 16

### UNIT - IV

8. Define network topology. Explain its types in detail. 16
9. Describe internet and its applications in detail. 16

97661-9800-(P-3)(Q-9)(22) ( 3 )