

Unit V

8. (a) What is a computer network? What is the criteria for classification of computer network?
(b) What are the applications and use of internet? Explain.
9. (a) What is internet? What are the hardware and software requirements for internet?
(b) Explain different types of transmission media.

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Roll No.

97661

**BCA 1st Semester (New)
Examination – November, 2017**

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. Q. No. 1 is **compulsory**.

Select *one* question from each Unit. All questions carry equal marks.

1. (a) What is computer? How is it different from human being?
(b) Differentiate between RAM and ROM.
(c) What is real time operating system?
(d) What is virus? Name few anti-virus software.

97661-6300-(P-4)(Q-9)(17)

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- (e) What is debugging ?
- (f) Differentiate between r & loader.
- (g) Differentiate between net and intranet.
- (h) What is network top s ?

UNIT

2. (a) Explain the applicati computer in the field of hospital and sports.
- (b) Explain various cor it of a digital computer system with a block m.

3. Explain :

- (i) Optical disk
- (ii) Virtual memory
- (iii) Magnetic disks
- (iv) Cache memory

UNIT

4. (a) What is operating : ? Explain the various function of operating m.

97661-6300-(P-4)(Q-9)(17) (

- (b) What is the difference between hardware and software ? Explain different type of software.

5. Explain :

- (i) multiprogramming
- (ii) multitasking
- (iii) multithreading
- (iv) multiprocessing

UNIT - III

6. (a) Explain the various characteristics of a good programming language.
- (b) Differentiate between compiler, interpreter and assembler.
7. (a) What do you mean by computer language ? Classify different type of computer language.
- (b) What is structure programming ? Explain the advantages and disadvantages of structure programming.

97661-6300-(P-4)(Q-9)(17) †3)

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