UNIT – IV

8. (a) What is a computer network ? What is the criteria for classification for computer network ?

   (b) What are the application and use of internet ? Explain.

9. (a) What is internet ? What are the hardware and software requirement for internet ?

   (b) Explain different type of transmission media.

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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.

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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 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.

(e) What is debugging ?

(f) Differentiate between linker & loader.

(g) Differentiate between internet and intranet.

(h) What is network topologies ?

UNIT – I

2. (a) Explain the application of computer in the field of hospital and sports.

(b) Explain various component of a digital computer system with a block diagram.

3. Explain :

(i) Optical disk

(ii) Virtual memory

(iii) Magnetic disks

(iv) Cache memory

UNIT – II

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

(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.