

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.

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 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. #

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- (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.

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- (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.

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