(4)   **Code No. : 01/117**   **Roll No.....................**

Q.5 C. Explain different network topologies.   **(4)**

OR

What is www and how it works?

Q.5 D. Explain working of bridge, hub, router and gateway.   **(12)**

OR

Write note on FTP, Gopher, E-mail and TCP/IP.

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Code No. : 01/117

First Semester Examination, Dec. 2018

PGDCA

Paper - I

INTRODUCTION OF SOFTWARE ORGANISATION

Time : 3 Hrs.   **Max. Marks : 100**

- Part A and B of each question in each unit consist of very short answer type questions which are to be answered in one or two sentences.

  Part C (Short answer type) of each question will be answered in 200-250 words.

  Part D (Long answer type) of each question should be answered within the word limit 400-450.

Unit - I

Q.1 A. What is difference between bit and byte?   **(2)**

Q.1 B. Name two storage devices present in first generation computer. **(2)**

Q.1 C. What are generations of computers? Brief about each generation. **(4)**

OR

Explain different types of computer and state one advantage of each.

Q.1 D. Illustrate architecture of pentium IV processor and explain it.   **(12)**

OR

Explain working of one input and one output device.

Unit - II

Q.2 A. Name two basic components of Central Processing Unit. **(2)**

Q.2 B. What unit is used to measure processor speed? **(2)**

Q.2 C. What are registers? State the basic computer register and their functions. **(4)**

OR

Differentiate between RAM and ROM.

Q.2 D. What are secondary storage devices? How they are different from primary storage devices? Explain working of hard disk. **(12)**

OR

What are SIMM and DIMM memories? Explain them in detail with their application area.

Unit - III

Q.3 A. Name any two open source softwares. **(2)**

Q.3 B. What is IDE? **(2)**

Q.3 C. Differentiate between compiler, interpreter and assembler. **(4)**

OR

State different types of software with one example of open source in each.

Q.3 D. What are major functions of opreating system? Explain in context of windows operating system. **(12)**

OR

Write short note on :

   i) DOS   ii) LINUX   iii) WINDOWS

Unit - IV

Q.4 A. How data is different from information? **(2)**

Q.4 B. Python belongs to which generation of language? **(2)**

Q.4 C. What are various types of programming language and how do they differ from each other? **(4)**

OR

What is the difference between flowchart and algorithm?

Q.4 D. Give one example of object oriented programming and structured programming language. How do they differ? Explain with example. **(12)**

OR

Explain functional programming and process oriented programming

Unit - V

Q.5 A. Define bandwidth. **(2)**

Q.5 B. What is ARPANET? **(2)**