# MSCCS - 01 / PGDCA - 01

December - Examination 2015

## MSCCS / PGDCA Examination

## Computer Fundamental and System Software

## Paper - MSCCS - 01 / PGDCA - 01

**Time : 3 Hours ]**             **[ Max. Marks :- 100**

**Note :** The Question paper is divided into three sections A, B and C. Write answers as per the given instructions.

**Section - A**       $2 \times 10 = 20$

(Very short Answer type Questions)

**Note :** Answer all questions. As per the nature of the question you delimit your answer in one word; one sentence or maximum up to 30 words, Each question carries 2 marks.

1) (i) What is data bus?

   (ii) Give some example of high level language.

   (iii) What do you mean by GHz?

   (iv) What is the full form of DVD?

   (v) Draw standard logic symbol for Inverter.

   (vi) Define Kernel.

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(vii) List the drawbacks of recursive parser.

(viii) Generally which type of material is used while manufacturing optical devices?

(ix) Explain the significance of binary number system.

(x) In Linux, which command is used to display all the users who are currently logged-in?

## Section - B $\qquad$ 4 x 10 = 40

(Short Answer type Questions)

**Note :** Answer any four questions. Each answer should not exceed 200 words. Each question carries 10 marks.

2) Write short note Vi-Editor.

3) Describe various advantages and disadvantages of Machine level language.

4) Compare among Compiler, Interpreter and Assembler with neat diagram.

5) Define the following term: tracks, sector and cylinder.

6) Explain the basic features of Assembly language programming

7) Discuss the concept of i-node.

8) Explain the booting process of Windows OS.

9) Explain basic computer operation with the help of block diagram.

## Section - C                     $2 \times 20 = 40$
### (Long Answer Questions)

**Note :** Answer any two questions. You have to delimit your each answer maximum upto 500 words. Each question carries 20 Marks.

10) What do you mean by RAID system? Explain its functions and levels in detail.

11) Explain and compare various type of printer available with its features.

12) What is the role of K-map? Simplify the given Boolean equation.

$Y = A' \cdot B' \cdot C' + A \cdot B' \cdot C' + A' \cdot B \cdot C' + A \cdot B \cdot C'$

13) What is Operating System? Explain various functionality of Operating System.

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