



HCL-0200940

Seat No. _____

P. G. D. C. A. (Sem. I) (Non CBCS) Examination

October - 2017

**CS - 01 : Computer Fundamentals & Networking
(Old Course)**

Time : 3 Hours]

[Total Marks : 100

- 1** Answer the following : (any four) **20**
- (1) Explain Block Diagram of computer system.
 - (2) What is computer ? Explain characteristics of computer.
 - (3) Explain Types of computer.
 - (4) Explain Generations of computer.
 - (5) Convert any two of following :
 - (1) $(ABC)_{16} = (?)_2$
 - (2) $(369)_{10} = (?)_2$
 - (3) $(110011101)_2 = (?)_{10}$
- 2** Answer the following : (any four) **20**
- (1) Explain optical related scanners.
 - (2) Explain various types of printers.
 - (3) Discuss : RAM and ROM.
 - (4) Give difference between :
 - (1) Floppy Disk and Hard Disk
 - (2) Magnetic Tape and Magnetic Disk
 - (5) Discuss any two :
DVD, Blu-Ray Disk, Pendrive
- 3** Answer the following : (any four) **20**
- (1) Explain types of computer languages.
 - (2) Explain Compiler, Interpreter, and Assembler.
 - (3) What is Operating System? List out different OS. and explain any two.
 - (4) Explain GIS and GPS.
 - (5) Explain Remote Sensing, Blue-tooth.

- 4 Answer the following : (any four) 20
- (1) What is computer network ? Explain types of network.
 - (2) Explain network topologies with detail.
 - (3) Explain Client-Server and Peer-to-Peer Network Model with diagram.
 - (4) Explain any two wireless transmission media.
 - (5) List out Network Services. And explain any two with detail.
- 5 Answer the following : (any four) 20
- (1) Explain Twisted pair cable, Fiber optic cable, Co-axial cable.
 - (2) Explain Repeater, Hub, Bridge.
 - (3) Explain TCP IP & UDP.
 - (4) Explain Network administrative model. Explain Domain and Directory services.
 - (5) How to manage User accounts and group security on window OS ?
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