

B.C.A. SEM-I (2014 COURSE) CBCS : WINTER - 2017
SUBJECT: FUNDAMENTALS OF IT

Day: Thursday
Date: 09/11/2017

Time: 02.00 PM TO 05.00 PM
Max. Marks: 100

W-2017-1602

N.B.:

- 1) Answer any **FOUR** question from Section-I and any **TWO** questions from Section-II.
- 2) Both the sections should be written in the **SEPARATE** answer book.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1** What is magnetic disk? Draw and explain 3 ½ inch floppy disk drive in detail. (15)
- Q.2** What are data processing devices? How do they help in improving data accuracy as compared to keyboard devices? (15)
- Q.3** Differentiate between the following: (15)
- a) Application Software Vs System Software
 - b) Half duplex Vs Full duplex
 - c) Sequential access storage Vs Random access storage.
- Q.4** Define Operating System. What are the various function of O.S.? Compare Windows and Linux Operating System. (15)
- Q.5** What is printer? Differentiate between impact and non-impact printers? Write their relative advantages and disadvantages. (15)
- Q.6** What is Network topology? Describe these network topologies in common use? Write relative advantages and disadvantages. (15)
- Q.7** Write short notes on any **THREE** of the following: (15)
- a) Assembler
 - b) Input devices
 - c) File access method
 - d) Batch processing

SECTION-II

- Q.8** Define Computer. Explain the classification of computer. (20)
- Q.9** What is Internet? Name some basic service provided by the Internet? What is use of Internet? (20)
- Q.10** Define the following term in context of disk storage (20)
- a) Access Time
 - b) Latency
 - c) Seek Time
 - d) Transfer Rate

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