

B.C.A. SEM-I (2014 COURSE) CBCS : SUMMER - 2018

SUBJECT: FUNDAMENTALS OF IT

Day: Tuesday
Date: 24/04/2018

S-2018-1694

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

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.
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SECTION-I

- Q.1** Draw a block diagram to illustrate basic organization of computer system and explain the functions of various unit. (15)
- Q.2** How many types of storage are normally there in the storage unit of computer system and justify the need for each storage type. (15)
- Q.3** Differentiate between the following: (15)
- a) Batch processing Vs Time sharing
 - b) Multiprogramming Vs Multitasking
 - c) Half duplex Vs Full duplex.
- Q.4** Define Operating System. What are the various function OS? Compare Windows and Linux Operating System. (15)
- Q.5** Explain the various Computer generations along with the key characteristics of Computer of each generation. (15)
- Q.6** How many types of Software are there? Explain at least two example of each. (15)
- Q.7** Write short notes on any **THREE** of the following: (15)
- a) Compiler
 - b) Magnetic Disk
 - c) Database Management System
 - d) Input devices.

SECTION-II

- Q.8** What is Computer Network? Explain different types of data transmission media used in Computer Networks. (20)
- Q.9** What is File? Explain different File organization scheme in brief. (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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