Day: Tuesday		**Time: 02.00 PM TO 05.00 PM**
Date: 24/04/2018	**S-2018-1748**	**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.

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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