

B.SC. (I. T.) SEM. - II (CBCS - 2015 COURSE) : SUMMER - 2018

SUBJECT: COMPUTER ARCHITECTURE

Day: **Saturday**
Date: **19/05/2018**

S-2018-0946

Time: **10.00 a.m. to 01.00 p.m.**
Max. Marks: 60

N.B.:

- 1) Attempt any **SIX** questions out of **EIGHT**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat, labelled diagrams **WHEREVER** necessary.
-

- Q.1** Describe the evolution – history and generations of a typical computer. **(10)**
- Q.2** With the help of neat, labelled diagram, explain the architecture of 8085 Microprocessor. **(10)**
- Q.3** Explain DMA, in detail. **(10)**
- Q.4** What is BIOS in a typical computer? Describe its primary functions. **(10)**
- Q.5** Describe the major functional components of an OS. Also compare the features of DOS, Windows and Linus OS. **(10)**
- Q.6** Explain various file systems in a typical computer. **(10)**
- Q.7** Differentiate between Hub and Switch. **(10)**
- Q.8** What is PnP device? How are they recognized by CPU? **(10)**

* * * *