

M. SC. (I.T.) SEM. – IV (C.B.C.S. COURSE) (2015 COURSE) :
SUMMER - 2018
SUBJECT : ADVANCED COMPUTING PLATFORMS

Day : **Thursday**
Date : **17/05/2018**

Time : **10.00 am to 01.00 pm**
Max. Marks : 60

S-2018-1037

N. B. :

- 1) Attempt **ANY SIX** questions out of **EIGHT**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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- Q. 1** What is cloud computing? What are the offerings in cloud computing? **(10)**
- Q. 2** Before going for cloud computing platform what are the essential things to be taken in concern by users? Explain in detail. **(10)**
- Q. 3** What is VM Ware? Where and how it is used? What are the features provided by VM Ware for easy access? **(10)**
- Q. 4** What is Hypervisor? Explain VFS, VPN, storage, memory virtualization? **(10)**
- Q. 5** What is Distributed system? Explain the working of Hadoop as a distributed system. **(10)**
- Q. 6** a) What is Big Data, Big Data Analysis? List and explain the applications of Big data in real world. **(05)**
- b) What is Structured, Unstructured and Semi structured data? **(05)**
- Q. 7** a) Differentiate between RDBMS and Hadoop. **(05)**
- b) Explain the 4 V's of Big Data. **(05)**
- Q. 8** Write and explain the HDFS commands. **(10)**

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