

**M. Sc. (I.T.) Sem. – IV (C.B.C.S. Course) (2015 Course) : WINTER - 2018**

**SUBJECT: ADVANCED COMPUTING PLATFORMS**

Day: Saturday  
Date: 24/11/2018

Time: 02.30 pm to 05.30 pm  
Max Marks: 60

**W-2018-1161**

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N.B.:

- 1) Answer any **SIX** questions out of eight.
  - 2) Figures to the right indicate **FULL** marks.
  - 3) Draw appropriate diagram **WHEREVER** necessary.
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- Q.1** What is Cloud, 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 VMware? Where and how it is used? What are the features provided by VMware for easy access? (10)
- Q.4** Explain the following commands of mongo db: (10)
- i) Insert ()
  - ii) find pretty ()
  - iii) remove ()
  - iv) drop ()
- 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 Analytics? List and Explain the application of Big data in real worlds. (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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