

SUBJECT: ADVANCED COMPUTING PLATFORMS

Day: Tuesday
Date: 14/05/2019

Time: 10.00 AM TO 01.00 PM
Max Marks: 60

S-2019-1363

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 are the advantages and disadvantages of using Cloud computing? **(10)**
- Q.2** Explain the Following: **(10)**
i) Private cloud
ii) Public cloud
iii) Hybrid cloud
iv) Community cloud
- Q.3** In cloud computing, what are the different layers? **(10)**
- Q.4** Explain the Following pig commands: **(10)**
i) LOAD
ii) DISTINCT
iii) DESCRIBE
iv) SPLIT
v) UNION
- Q.5** Write and Explain the Hadoop components. **(10)**
- Q.6** a) What are the applications of Big Data in real world? **(05)**
b) What is the difference between analysis and analytics? **(05)**
- Q.7** a) Draw and explain apache pig architecture. **(05)**
b) Explain pig data model (atom, tuple, bag, map) **(05)**
- Q.8** How Hadoop Map Reduce works? Explain with suitable example. **(10)**

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