

Pre. Ph.D. Course Work (2017 Course) SUPPLEMENTARY :
(Computer Application) : JUNE- 2019
SUBJECT : PAPER – II : RECENT ADVANCES IN COMPUTER APPLICATION

Day : Thursday

Date : 27/06/2019

S-2019-5407

Time : 10.00 AM TO 1.00 PM

Max. Marks : 100

N.B.

- 1) Attempt **ANY FIVE** questions from Section – I and **ANY FIVE** questions from Section – II.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer books.
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SECTION – I

- Q.1** What is an algorithm? Explain with an appropriate example. **(10)**
- Q.2** How “Big Data” domain can help a Business Organization? **(10)**
- Q.3** What is “Cloud Computing” and which are the challenges associated with it? **(10)**
- Q.4** Discuss the concept of “Knowledge Representation” in detail. **(10)**
- Q.5** Explain the concept of “Web Usage Mining” in detail. **(10)**
- Q.6** Write short notes on **ANY TWO** of the following: **(10)**
- a) Hybrid Cloud
 - b) Decision Tree
 - c) Sampling Distributions

SECTION – II

- Q.7** Write “Binary Search” algorithm and trace it for input data consisting of 10 integers. **(10)**
- Q.8** What is “Neural Network”? List different scenarios suitable for its application. **(10)**
- Q.9** Explain in detail the concept of “Platform-as-a-Service” (Paas). **(10)**
- Q.10** What is “Big Data”? Also discuss in brief the “Volume” characteristic with respect to “Big Data”. **(10)**
- Q.11** Explain “Decrease-and-Conquer” algorithm design strategy along with an appropriate example. **(10)**
- Q.12** Explain the concept of “Rough Set Theory” in detail. **(10)**

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