

Pre. Ph.D. Course Work (2017 Course) : SUMMER - 2018
(Computer Application)

SUBJECT : PAPER – II COMPUTER APPLICATION

Day : **Tuesday**
Date : **26/06/2018**

S-2018-4784

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 100

N.B.

- 1) Attempt any **FIVE** questions from Section – I.
- 2) Attempt any **FIVE** questions from Section – II.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1 What is a Flow-Chart? Explain with an appropriate example. (10)
- Q.2 Explain the concept of Rough Set Theory in brief. (10)
- Q.3 List and briefly explain various benefits of Cloud Computing. (10)
- Q.4 Discuss the VELOCITY characteristic of Big Data along with an appropriate example. (10)
- Q.5 What is Data Mining? (10)
- Q.6 Write short notes on any **TWO** of the following : (10)
- a) Graph Search Algorithm
 - b) Private Cloud
 - c) Privacy Issues in Web Mining

SECTION – II

- Q.7 What is the Time Complexity of Binary Search Algorithm? Justify your answer. (10)
- Q.8 Discuss a real world example of Platform-as-a-Service (PaaS). (10)
- Q.9 What is a Sampling Distribution? Discuss in detail. (10)
- Q.10 Write a Pseudo-Code to find MEDIAN of given N integers. (10)
- Q.11 List and briefly discuss the applications of Big Data Analysis. (10)
- Q.12 What is Divide-and-Conquer algorithm design pattern and when to use it? (10)

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