BACHELOR OF COMPUTER APPLICATIONS (CBCS - 2018 COURSE)
B.C.A. Sem-V : : SUMMER - 2022
SUBJECT : INTRODUCTION TO BIG DATA

Day : Wednesday   Time : 02:00 PM-05:00 PM
Date : 01-06-2022   **S-22704-2022**   Max. Marks : 60

N.B.
1) Q.No. 4 from Section I is **COMPULSORY**.
2) Answer **ANY TWO** questions from Q.1,2,3 in Section – I.
3) Answer **ANY TWO** questions from Q.5,6,7 in Section – II.
4) All questions carry **EQUAL** marks.
5) Answer to both the sections should be written in **SAME** answer book.
6) draw a labeled diagram **WHEREVER** necessary.

SECTION – I

Q.1 Answer the following : **(6 marks x 2 = 12 marks)**
a) Define data. Explain various data scientist's role and responsibilities in Big Data.
b) Explain Big Data business opportunities.

Q.2 Answer the following : **(6 marks x 2 = 12 marks)**
a) Explain Porter's Value Chain Model.
b) Illustrate first three steps of Big Data envisioning process.

Q.3 Answer the following : **(6 marks x 2 = 12 marks)**
a) How Big Data plays important role to overcome challenges faced in the business?
b) Discuss the case study of how does Amazon use Big Data to increase performance.

Q.4 Write short notes on **ANY THREE** of the following : **(4 marks x 3 = 12 marks)**
a) KPI
b) R
c) Hadoop
d) Data ware house
e) Business intelligence
f) Big Data business model

SECTION – II

Q.5 Answer the following : **(6 marks x 2 = 12 marks)**
a) Define the Big Data. Explain five V's associated with Big Data.
b) Differentiate between Network File System and Hadoop Distributed File System.

Q.6 Answer the following : **(6 marks x 2 = 12 marks)**
a) Explain Unintelligent user experience.
b) How does Big Data improve Decision Making Process.

Q.7 Answer the following : **(6 marks x 2 = 12 marks)**
a) Describe Data Analytics Life Cycle Process in detail.
b) Justify 'Big Data improves customer experience'.

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