2021

Time : 3 hours

Full Marks : 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

*Answer from **all** the Sections as directed.*

Section – A

1. Choose the correct answer from the options given below : 1×5 = 5

   (a) Data in _____ byte size is called big Data.

   (i) Meta (ii) Giga

   (iii) Tera (iv) Peta

Answer any four Goup – C

9. C

(b) The total terms of big data is _____.

(i) 1 (ii) 2

(iii) 3 (iv) 4

(c) In which language is Hadoop written ?

(i) C++ (ii) Java

(iii) Rust (iv) Python

(d) Choose the Primary characteristics of big data among the following :

(i) Value (ii) Variety

(iii) Volume (iv) All of these

(e) Choose the language which are used in Data Science :

(i) C++ (ii) C

(iii) R (iv) Ruby

2. Fill in the blanks of the following: 1×5 = 5

(a) SQL stands for _____.

(b) CRISP stands for _____.

(c) HDFS stands for _____.

(d) CRM stands for _____.

(e) _____ is Performed by Data Scientist.

Scientific

Section – B

(Short-answer Type Questions)

3. Answer any **four** questions of the following within **200** words each : 5×4 = 20

(a) What is Big Data Analysis ? Explain the importance of Big Data Analysis.

(b) Explain the characteristics of Big Data Analysis.

(c) Explain the types of Big Data Analysis.

(d) Differentiate between Data Mining & Data Scienee.

(e) How important is big data for Project Management ?

(f) What is R in Big Data Analysis ?

Section – C

(Long-answer Type Questions)

4. Answer any **four** questions of the following : 10×4 = 40

(a) What are the various phases in Data Mining Life Cycle ?

(b) Explain the CRISM-DM methodology in Data Mining.

(c) Describe the Big Data Analysis Life Cycle.

(d) Explain the Machine Learning Implementation in BDA.

(e) Explain the Statistical Method of Big Data Analysis.

(f) Explain the following :

(i) Statistical Modelling

(ii) Ad-Hoc Analysis

(iii) Data Analyst

(iv) Data Cleansing