

2024

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.*

(BDA)

Section – A

1. Choose the correct answer of the following : $1 \times 5 = 5$

   (a) Which of the following are benefits of Big Data processing ?

   (i) Cost reduction

   (ii) Fine reduction

   (iii) Business decision

   (iv) All of these

(b) Big Data Analysis does the following except :

(i) Collects data

(ii) Spread data

(iii) Organise data

(iv) Analyzes data

(c) In which language is Hadoop written ?

(i) C++

(ii) Java

(iii) Rast

(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 : 1×5 = 5

(a) Total form of big data is _____

(b) The V's of big data for _____

(c) CRISP stands for _____

(d) HDFC stands for _____

(e) CRM stands for _____

Section – B

(Short-answer Type Questions)

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

(a) Explain the benefits of BDA.

(b) Describe the components of BDA.

(c) Describe the Data mining life cycle in BDA.

(d) Explain the types of BDA.

(e) What is Hadoop ? What are its applications ?

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

Section – C

(Long-answer Type Questions)

4. Answer any **four** questions of the following : $10 \times 4 = 40$

(a) Differentiate between Data Analyst and Data Scientists.

(b) What is SEMMA ? Explain the phases with diagram.

(c) What is Regression analysis ? Explain the benefits of Regression analysis in BDA.

(d) Describe the CRISM-DM methodology in Data mining.

(e) Explain the statistical method of Big Data Analysis.

(f) Explain the following :

(i) Machine learning

(ii) 'R' programing

(iii) Stackholder

(iv) Data Science