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Voc(Sem-V) —
BCA (CC – 12)

2023

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

(Objective Type Questions)

1. Choose the correct answer from given options :

   $1 \times 5 = 5$

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

   (i) Cost Reduction

   (ii) Five Reduction

   (iii) Smarter Business decesion

   (iv) All of these

(Turn over)

(b) Amongst which of the following can be considered as the main source of unstructured data ?

    (i) Twitter   (ii) Facebook

    (iii) Web Pages   (iv) All of these

(c) Reporting and Visualization enables :

    (i) Processing of the Data

    (ii) Friendly Representation

    (iii) Both (i) and (ii)

    (iv) None of these

(d) Which of the following represent the use of Hadoop ?

    (i) Robust and Scalable

    (ii) Affordable and Cost effective

    (iii) Adaptive and Flexible

    (iv) All of these

(e) Big Data Analysis does the following except :

    (i) Collects data

    (ii) Spread data

    (iii) Organise data

    (iv) Analyzes data

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

(a) Total form of big data is _____.

(b) The V's of big data is _____.

(c) Large _____ of data is considered as big data.

(d) DSS in data warehouse stands for _____.

(e) _____ is difficult to store, Collect, maintain, Analyze and Visualize.

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) Explain the components of BDA.

(c) Describe the Data Mining Life Cycle in BDA.

(d) what is Stakeholder ? Explain the types of stakeholder in BDA.

(e) What is Data cleansing ? Explain the Homogenization and Hetrogenization.

(f) What is Hadoop ? What are its application in BDA ?

Section – C

(Long-answer Type Questions)

4. Anwer any four questions of the following :

$$10×4 = 40$$

(a) What is SEMMA ? Explain its phases with diagram.

(b) What is Regression Analysis ? Explain the benefits of Regression Analysis in BDA.

(c) Differentiate between Data Analyst and Data Scientists.

(d) What is problem definition ? Describe the problem definition of project in BDA.

(e) Explain the following :

(i) CRISP – DM

(ii) Data Visualisation

(iii) R-system

(iv) Chart and Graphs

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