

Integ. MSc (CSF) Semester-4 Examination**ICSF - 210****Web Designing & Big Data Analysis****Time : 2-30 Hours]****April-2024****[Max. Marks : 70****Instructions:** Illustrate your answers with neat diagrams wherever necessary.**Que 1 Write the following**

- (i) Explain the purpose of the <video>, tag and <audio> tags in HTML5. (7 Marks)
- (ii) Describe the difference between the GET and POST methods in HTML forms. (7 Marks)

OR

- (i) What is the attributes name, id, and value used for in form elements? (7 Marks)
- (ii) What is the purpose of the <header>, <footer>, <nav>, and <section> tags? (7 Marks)

Que 2 Write the following

- (i) Explain in detail the method to pass value from one page to another? (7 Marks)
- (ii) Explain conditional structure and loops in PHP with examples. (7 Marks)

OR

- (i) Explain all Data Types and Variables in PHP with example. (7 Marks)
- (ii) Explain String Functions, Date Functions, Number Functions and User Define Functions in detail. (7 Marks)

Que 3 Write the following

- (i) Describe the phases of the Data Analytics Lifecycle. How do these phases contribute to the effective analysis and utilization of data in decision-making processes? (7 Marks)
- (ii) How does Big Data differ from traditional data processing methods? (7 Marks)

OR

- (i) How do considerations of computational efficiency and scalability impact model evaluation in Big Data? (7 Marks)
- (ii) Provide examples of BI tools commonly used in conjunction with Big Data. (7 Marks)

Que 4 Write the following

- (i) Explain the concept of a data repository and its role in storing and managing large datasets. (7 Marks)
- (ii) Define Data Science and its role in extracting insights from large datasets. (7 Marks)

OR

- (i) What is the significance of understanding Big Data in the current technological landscape? (7 Marks)
- (ii) How does Big Data differ from traditional data processing methods? (7 Marks)

Que 5 Attempt any seven out of twelve

(14 Marks)

- (i) What is the primary goal of data sciences?
A) Data storage B) Data analysis C) Data collection D) Data transmission
- (ii) What is a data repository in the context of Big Data?
- (iii) _____ is the main objective of Business Intelligence (BI).
- (iv) _____ phase of the Data Analytics Lifecycle involves defining the business problem and the goals of the analysis.
- (v) In Big Data analytics, what is precision?
- (vi) Which of the following is NOT a V of Big Data?
- (vii) Explain the difference between the "==" operator and the "===" operator in PHP conditional statements.
- (viii) Differentiate between while and do-while loops in PHP.
- (ix) Explain the difference between arguments and parameters in PHP functions.
- (x) How can you include a PHP file containing user-defined functions in another PHP file?
- (xi) What is the difference between the "double" and "float" data types in PHP?
- (xii) What is the purpose of the "object" data type in PHP?

— X —