Annai Violet Arts & Science College

(Affiliated to the University of Madras | Co-Ed | NAAC Reaccredited)

DEPARTMENT OF COMPUTER SCIENCE
UNIT TEST 1
Subject: DATA SCIENCE

Class : III B.Sc (CS)	Date : 10.01.23
Max.Marks : 25	Sub. Code:

PART A (5 *2 =10 Marks)
Answer any FIVE questions

1. What is Data Science?
2. List down the applications of data science?
3. Explain the facts of data science?
4. What is big data?
5. List the common errors that occur in the data collected for the analysis.
6. What is data visualization?
7. How data can be collected and retrieved for data analysis?

PART B – (5 *1 = 5 Marks)
Answer any ONE question

8. Differentiate structured and unstructured data.
9. What is data transformation ? Explain how to transform data variables.

PART C – (10*1 = 10 Marks)
Answer any ONE question

10. Explain the benefits of data science in detail.
11. Explain the flow of a data science process? Explain the steps involved in it.

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DEPARTMENT OF COMPUTER SCIENCE
UNIT TEST I
Subject : SOFTWARE ENGINEERING

Class: III B.SC CS   Date: 09.01.2023
Max.Marks: 25   Sub. Code:

PART A (5 ×2 =10 Marks)
Answer any FIVE questions

1. DefineSoftware Engineering.
2. Write the goals of Software Engineering?
3. What is Requirement Analysis?
4. List out the steps in Requirement Analysis?
5. Write the difference in software product vs Software?
6. What are generic software products?
7. What is outsource software?

PART B – (5 ×1 = 5 Marks)
Answer any ONE question

8. Discuss with neat diagram Classical Waterfall Model.
9. Explain the types of Software Project.

PART C – (10× 1 = 10 Marks)
Answer any ONE question

10. Explain importance of software engineering
11. Explain the characteristics of good SRS document.

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PART A (5 ×2 =10 Marks)
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14. Explain importance of software engineering
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DEPARTMENT OF COMPUTER SCIENCE

UNIT TEST 1
Subject : Introduction to Cloud Computing

Class : III B.Sc Comp. Sci   Date :11.01.23
Max.Marks : 25   Sub. Code:

PART A (5 ×2 =10 Marks)
Answer any FIVE questions

1. Define Cloud Computing
2. What are the benefits of Cloud Computing?
3. List the eight basic components of Cloud Computing.
4. What are the uses of Cloud Computing?
5. Write the basic characteristics of Cloud Computing.
6. Define File Structure.
7. List the types of Data Stores.

PART B – (5 ×1 = 5 Marks)
Answer any ONE question

8. State and explain the types of Cloud Computing
9. What are the data types used in Cloud Computing?

PART C – (10× 1 = 10 Marks)
Answer any ONE question

10. Explain the architecture of Cloud Computing in detail
11. List and explain the services in Cloud Computing.

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DEPARTMENT OF COMPUTER SCIENCE

UNIT TEST 1
Subject: IOT AND ITS APPLICATIONS

Class: III B.Sc (CS)   **Date: 12/01/2023**
Max.Marks: 25   **Code:**

PART A (5 × 2 =10 Marks)
Answer any FIVE questions

1. Define IOT
2. Discuss IOT Challenges
3. What is vision of IoT?
4. What is Machine to Machine communication (M2M)?
5. Explain different Characteristics of IoT.
6. Explain Internet of Things (IoT) with example.
7. Which device we called IoT device explain with example.

PART B – (5 × 1 = 5 Marks)
Answer any ONE question

8. Brief about IoT Applications.
9. Discussion on emerging industrial structure for IoT

PART C – (10× 1 = 10 Marks)
Answer any ONE question

10. Detailed description about an IoT architecture outline.
11. Explain M2M Value Chains, IoT Value Chains

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DEPARTMENT OF COMPUTER SCIENCE

UNIT TEST 1
Subject: WEB TECHNOLOGY

Class: II B.Sc (CS)　　　　　　**Date: 12/01/2023**
Max.Marks: 25　　　　　　　　**Code: SE24A**

PART A (5 × 2 = 10 Marks)
Answer any FIVE questions

1. Expand PHP.
2. Define variables
3. What is datatype?
4. State constants
5. Define operators
6. What is string?
7. Define ternary operator.

PART B – (5 × 1 = 5 Marks)
Answer any ONE question

8. What are the datatypes used in PHP? Explain with suitable example
9. Explain about variables in PHP? how they hold values? Explain with suitable example.

PART C – (10× 1 = 10 Marks)
Answer any ONE question

10. Explain briefly about operators in PHP.
11. Explain conditional statements with suitable example.

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DEPARTMENT OF COMPUTER SCIENCE
UNIT TEST - I
Subject: Statistics - II

Class : II B.Sc (CS) Date:11/01/2023

Max. Marks:25 Sub. Code: SP3AB

PART A (5 × 2 = 10 Marks)
Answer any five questions

1. Define Probability
2. Write the Axioms of Probability
3. State Addition theorem on Probability.
4. Define dependent event and give example
5. Write the statement for Baye's Theorem
6. If a coin is tossed then what is the probability of getting a Head ?
7. State the multiplication theorem on probability

PART B – (1 × 5 = 5 Marks)
Answer any one question

8. From a bag containing 10 black and 20 white balls, a ball is drawn at random. what is the probability that it is black ?
9. What is the probability of getting a sum 9 from two throws of a dice ?

PART C – (1 × 10 = 10 Marks)
Answer any one question

10. A problem in statistics is given to five students A , B , C , D and E . their chances of solving it are 1 / 2 , 1/3 , 1 / 4 , 1/5 , and 1/6 . what is the probability that the problem will be solved ?
11. Two dice are thrown simultaneously. What is the probability that the sum of the numbers on the faces is divisible by either 3 or 5 ?