



Date: 23-03-2020

ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆
PREFINAL - VI SEMESTER EXAMINATIONS
BCA - CLOUD COMPUTING

Max. Marks : 75 M
Time : 3 Hours

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. What is cloud computing? Why cloud computing?
2. Explain Security benefits in cloud Scenarios?
3. Explain SPI Framework vs. Traditional Model?
4. Explain Google cloud platform operational benefits?
5. Explain the Differences between public cloud and private cloud?
6. What is Virtualization explain types of Hypervisors?
7. Explain Cloud Service Models?
8. What is software Virtualization?

SECTION - B

Answer the following Questions:

4X5= 20M

9. a) Explain the components of Cloud Computing
OR
b) Explain the Essential Characteristics of a Cloud Computing?
10. a) Explain different security concerns in cloud Scenarios?
OR
b) Explain the Benefits and Limitations of a cloud Scenarios?
11. a) Explain briefly the concept of SPI Framework?
OR
b) Explain the Architecture of a Cloud Computing?
12. a) Explain the services of Google Cloud Platform?
OR
b) Explain the concept of AmazonEC2 IaaS Service provider?
13. a) Explain briefly the concept of Memory and data Virtualization?
OR
b) Explain the architecture of VMware Infrastructure?

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Date: 20-03-2020

ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆
PREFINAL - VI SEMESTER EXAMINATIONS
BCA - E-COMMERCE

Max. Marks : 75 M
Time : 3 Hours

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. Explain Broad Goals of E-Commerce.
2. Scope of E-Commerce.
3. Explain E-Commerce essentials.
4. Explain the progress of E-Commerce in India.
5. Explain dot com companies.
6. Explain B2B hubs.
7. How to develop an E-Commerce strategy?
8. Explain B2C E-Commerce.

SECTION - B

Answer the following Questions:

5X10= 50M

9. a) What is E-Commerce? Explain the functions of E-Commerce?
OR
b) Explain the Main-Activities of E-Commerce.
10. a) Explain Technical Architecture of E-Commerce.
OR
b) What are the advantages and disadvantages of E-Commerce?
11. a) What is B2B Boom? Explain it in detail?
OR
b) Explain Matrix of E-Commerce models.
12. a) How does Online Shopping done? Explain?
OR
b) What are the E-Business applications & B2B applications.
13. a) Explain the role of B2B market place.
OR
b) What is E-Business Architecture and Explain in detail?

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Date: 21-03-2020

ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆
PREFINAL - VI SEMESTER EXAMINATIONS
BCA - OPEN SOURCE SOFTWARE

Max. Marks : 75 M
Time : 3 Hours

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. Explain the applications of OSS.
2. Explain cloning & personalities in LINUX.
3. Explain the data & time functions in MYSQL.
4. Explain objects in PHP.
5. Explain subroutines in PERL.
6. Explain different types of processes in LINUX.
7. Explain the different types the comments in PHP with examples.
8. Explain the signals in LINUX.

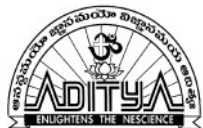
SECTION - B

Answer any FOUR Questions:

4X5= 20M

9. a) What is OSS? Explain the need for Open Source Software
OR
b) What is Open Source Software? Write the advantages and disadvantages of OSS?
10. a) Explain the modes of Linux Operating System. What are the uses Linux?
OR
b) Explain the features of Linux OS. Explain the different types of process in Linux with neat diagram.
11. a) What is MYSQL? Explain the advantages and disadvantages of MYSQL? Explain how to set up an account in MYSQL?
OR
b) Explain the Record Selection Technology in MYSQL.
12. a) Explain various datatypes in PHP with examples.
OR
b) Explain the String Manipulation functions in PHP.
13. a) Explain the features of PERL? Explain different types of variable in PERL.
OR
b) Explain the statements and control statements in PERL

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Date: 26-03-2020

ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆

PREFINAL - VI SEMESTER EXAMINATIONS

BCA - HADOOP & R LANGUAGE

Max. Marks : 75 M

Time : 3 Hours

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. Explain the different Hadoop Operation modes.
2. How are Hadoop Input and output formats useful? Explain?
3. Explain about Hadoop Streaming in detail.
4. Which functions are used for arrays & matrices in R? Explain with examples?
5. Explain the purpose of factors in R.
6. What is a dataframe? Explain with Examples.
7. What are the Graphic functions used to Plot diagrams in R?
8. Explain about different packages and functions in R.

SECTION - B

Answer any FOUR Questions:

4X5= 20M

9. a) Explain the Lifecycle/Stages of Big Data with neat diagram.
OR
b) Explain the Hadoop architecture with a neat diagram.
10. a) Explain the process of Map Reduce Algorithm with an example.
OR
b) What is the use of Hadoop Driver? Explain with a program?
11. a) How Counters, Sorting & Joins are used in Hadoop Reducer?
OR
b) Write any 10 Hadoop Processing Tools with their features.
12. a) Explain the Datatypes in R with examples.
OR
b) What are the Operators in R? Explain with examples?
13. a) Explain the Loop Control Statements in R with programs.
OR
b) Explain in brief about R functions and components with examples.

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Date: 27-03-2020

ADITYA DEGREE COLLEGES

◆ ANDHRA PRADESH ◆
PREFINAL - VI SEMESTER EXAMINATIONS
BCA - ADVANCED SOFTWARE TESTING

Max. Marks : 75 M
Time : 3 Hours

SECTION - A

Answer any FIVE Questions:

5X5= 25M

1. Define and explain about sequential model.
2. Explain about the testing process.
3. Write the steps of Master Test Plan.
4. Define classification of Tree method.
5. Explain about the Random input technique.
6. Write some state Transition Testing Templates.
7. Explain about Data Flow Analysis. (LCSAJ)
8. Explain about the Efficiency Testing.

SECTION - B

Answer any FOUR Questions:

4X5= 20M

9. a) Explain about Product Paradigms.
OR
b) Explain about Metrics and Measurement of Software Testing.
10. a) Define Test Planning. Explain about the Test Planning and Control.
OR
b) Explain the process of Test Implementation and Execution.
11. a) Explain the overview of Test Estimation.
OR
b) Define Risk. Explain about the types of Risks.
12. a) Explain about the Structured Based Techniques.
OR
b) Define and explain about Taxonomies.
13. a) Define and Explain about Usability Testing.
OR
b) Define Reliability Testing. Explain about the Robustness Testing.

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