SAVITRIBAI PHULE PUNE UNIVERSITY
M.Sc. (Computer Application) SEM-I
Practical Examination (2023 Pattern)
SUBJECT: CA 513 MJP
Lab course based on CA 512 MJ (Cloud Computing)

Time: 3 Hours   **Max. Marks: 35**

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Q.1) Working of Software as a Service (Amazon).   [10 Marks]

Q.2) Create a Google Form to Generate Certificates for a Workshop.   [20 Marks]

OR

Q.2) Developing python Application (average of 5 numbers) Using Google App Engine.
                                                                            [20 Marks]

Q.3) Viva   [5 Marks]

Slip **1**

Time: 3 Hours   **Max. Marks: 35**

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Q.1) Exploring One Drive: Creating and Sharing Documents and Presentations.   [10 Marks]

Q.2) Create and Host a Static Web Page using Any Cloud Provider.   [20 Marks]

OR

Q.2) Developing and Deploying a Simple Web Application using AWS.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **2**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Developing python Application (addition of 10 numbers) Using Google App Engine.   [10 Marks]

Q.2) Create a Web Application and deploy it using Google App Engine for Platform as a Service (PaaS).
[20 Marks]

OR

Q.2) Workings of Google Drive to Create a Spreadsheet (Inventory Management for Office Supplies).
[20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Storage as a Service (SaaS) using Google Drive.   [10 Marks]

Q.2) Practical Implementation of IaaS using Microsoft Azure.   [20 Marks]

OR

Q.2) Create a Google Form for Conducting a Survey on Seminar Feedback.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **4**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Infrastructure as a Service.   [10 Marks]

Q.2) Create and Configure Multiple Virtual Machines.   [20 Marks]

OR

Q.2) Create and Clean Up an AWS Instance.

[20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Developing python Application (addition of 10 numbers) Using Google App Engine.   [10 Marks]

Q.2) Working and Implementation of Software as a Service (Salesforce).   [20 Marks]

OR

Q.2) Create a Virtual Machine using Virtual Box.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **6**

Time: 3 Hours   **Max. Marks: 35**

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Q.1) Create and display hello world application in SalesForce.com using Apex programming Language.
                                                                                                            [10 Marks]

Q.2) Write a Program for Web Feed.   [20 Marks]

                                       OR

Q.2) Launching and Connecting to an Amazon EC2 Instance.   [20 Marks]

 Q.3) Viva   [5 Marks]

Slip **7**

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Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working of Software as a Service (Amazon).   [10 Marks]

Q.2) Create a Docker Instance on Your System.   [20 Marks]

                                              OR

Q.2) Create a Virtual Machine and Perform Basic Shell Commands.   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Exploring OneDrive: Creating and Sharing Documents and Presentations.   [10 Marks]

Q.2) Create and Configure Multiple Virtual Machines.   [20 Marks]

                            OR

                                                                                   [20 Marks]
Q.2) Create and Clean Up an AWS Instance.

Q.3) Viva   [5 Marks]

Slip **9**

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Practical Examination (2023 Pattern)
SUBJECT: CA 513 MJP
Lab course based on CA 512 MJ (Cloud Computing)

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Using Google Drive to Create a Student Registration Form and Automate Data Analysis. [10 Marks]

Q.2) Create and Host a Static Web Page using Any Cloud Provider.   [20 Marks]

OR

Q.2) Developing and Deploying a Simple Web Application using AWS.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **10**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Storage as a Service (SaaS) using Google Drive.   [10 Marks]

Q.2) Practical Implementation of IaaS using Microsoft Azure.   [20 Marks]

OR

Q.2) Create a Google Form for Conducting a Survey on Workshop Feedback.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **11**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Infrastructure as a Service.   [10 Marks]

Q.2) Create and Host a Static Web Page using Any Cloud Provider.   [20 Marks]

OR

Q.2) Workings of storage of a service using own Cloud to make Presentation on types of Clouds (min 5 slides).   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Sign Up for a Free-Tier Google Cloud Account.   [10 Marks]

Q.2) Workings of storage of a service using own Cloud to make Presentation on types of Clouds (min 5 slides).   [20 Marks]

OR

Q.2) Write a Program for Web Feed.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **13**

Time: 3 Hours   **Max. Marks: 35**

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Q.1) Create a Virtual Machine using Virtual Box.   [10 Marks]

Q.2) Launching and Connecting to an Amazon EC2 Instance.   [20 Marks]

OR

Q.2) Create a Docker Instance on Your System.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **14**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working of Software as a Service (Amazon).   [10 Marks]

Q.2) Create IAM User and Set Its Permissions.   [20 Marks]

OR

Q.2) Create Google Form to Accept Details of Students and Create Test Page to Generate Results.
                             .   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Exploring OneDrive: Creating and Sharing Documents and Presentations.   [10 Marks]

Q.2) Create IAM User and Set Its Permissions.   [20 Marks]

OR

Q.2) Workings of Google Drive to Create a Spreadsheet (Inventory Management for Computer Supplies).
.   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Using Google Drive to Create a Registration Form and Automate Data Analysis.   [10 Marks]

Q.2) Developing python Application (factorial of given number) Using Google App Engine.   [20 Marks]

OR

Q.2) Practical Implementation of File Versioning and Collaboration using Storage as a Service.
                                                                                           [20 Marks]

Q.3) Viva   [5 Marks]

Slip **17**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Storage as a Service (SaaS) using Google Drive.   [10 Marks]

Q.2) Practical Implementation of IaaS using Microsoft Azure.   [20 Marks]

OR

Q.2) Create a Google Form for Conducting a Survey on Guest Lecture Feedback.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **18**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Infrastructure as a Service.   [10 Marks]

Q.2) Create a Docker Instance on Your System.   [20 Marks]

OR

Q.2) Create a Virtual Machine and Perform Basic Shell Commands.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **19**

Time: 3 Hours   **Max. Marks: 35**

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Q.1) Working and Implementation of Software as a Service (Salesforce).   [10 Marks]

Q.2) Create Google Form to Accept Details of Students and Create Test Page to Generate Results.
                                                                                          [20 Marks]

OR

Q.2) Create a Virtual Machine and Perform Basic Shell Commands.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **20**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Create a Virtual Machine using Virtual Box.   [10 Marks]

Q.2) Create a Docker Instance on Your System.   [20 Marks]

OR

Q.2) Developing python Application (factorial of given number) Using Google App Engine.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **21**

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working of Software as a Service (Salesforce).   [10 Marks]

Q.2) Create Google Form to Generate Certificates for a Workshop.   [20 Marks]

OR

Q.2) Developing python Application (average of 5 numbers) Using Google App Engine.   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   Max. Marks: 35

_____

Q.1) Working of Software as a Service (Amazon).   [10 Marks]

Q.2) Workings of storage of a service using own Cloud to make Presentation on types of Clouds (min 5 slides).   [20 Marks]

OR

Q.2) Developing and Deploying a Simple Web Application using AWS.   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Create and display hello world application in SalesForce.com using Apex programming Language.
[10 Marks]

Q.2) Workings of Google Drive to Create a Spreadsheet (Billing Invoice for Grocery Items).   [20 Marks]

OR

Q.2) Developing and Deploying a Simple Web Application using AWS.   [20 Marks]

Q.3) Viva   [5 Marks]

Time: 3 Hours   **Max. Marks: 35**

_____

Q.1) Working and Implementation of Storage as a Service (SaaS) using Google Drive.   [10 Marks]

Q.2) Create IAM User and Set Its Permissions.   [20 Marks]

OR

Q.2) Create Google Form to Generate Certificates for a Workshop.   [20 Marks]

Q.3) Viva   [5 Marks]

Slip **25**