M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration: 3 Hours

Write a Java Program to implement I/O Decorator for converting uppercase letters to lower case letters. [20 M]

Write a Python program to prepare Scatter Plot for Iris Dataset [20 M]

Create an HTML form that contain the Student Pagistration details and write a

Create an HTML form that contain the Student Registration details and write a JavaScript to validate Student first and last name as it should not contain other than alphabets and age should be between 18 to 50.

[20 M]

Maximum Marks: 70

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration: 3 Hours

Write a Java Program to implement Singleton pattern for multithreading

[20 M]

Write a python program to find all null values in a given dataset and remove them.

[20 M]

Create an HTML form that contain the Employee Registration details and writea

JavaScript to validate DOB, Joining Date, and Salary.

[20 M]

Viva

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration: 3 Hours Maximum Marks: 70 Write a JAVA Program to implement built-in support (java.util.Observable) Weather Q.1 station with members temperature, humidity, pressure and methods mesurmentsChanged(), setMesurment(), getTemperature(), getHumidity(), getPressure() [20 M] Q. 2. Write a python program to make Categorical values in numeric format for a given dataset [20 M] Q. 3. Create an HTML form for Login and write a JavaScript to validate email ID using Regular Expression. [20 M] Viva [10 M]Q.4

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration: 3 Hours Maximum Marks: 70 _______ Write a Java Program to implement Factory method for Pizza Store with createPizza(), Q.1 orederPizza(), prepare(), Bake(), cut(), box(). Use this to create variety of pizza's like NyStyleCheesePizza, ChicagoStyleCheesePizza etc. [20 M] Q. 2 Write a python program to Implement Simple Linear Regression for predicting house [20 M] price. Q. 3 Create a Node.js file that will convert the output "Hello World!" into upper-case [20 M]letters. Viva [10 M] Q.4

Duration : 3 Hours Ma		aximum Marks: 70
Wr	ite a Java Program to implement Adapter pattern for Enumeration ite	erator [20 M]
Wr	ite a python program to implement Multiple Linear Regression for g	iven dataset. [20 M]
Q. 3	Using nodejs create a web page to read two file names from user a of first file into second file.	and append contents [20 M]
Q.4	Viva	[10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Write a Java Program to implement command pattern to test Remote Control

[20 M]

Write a python program to implement Polynomial Linear Regression for given dataset

[20 M]

Q.3. Create a Node.js file that opens the requested file and returns the content to the client.

If anything goes wrong, throw a 404 error.

[20 M]

Q.4 Viva

[10 M]

Duration: 3 Hours Maximum M		larks: 70
Q.1	Write a Java Program to implement undo command to test Ceiling fan.	[20 M]
Q.2.	Write a python program to implement Naive Bayes.	[20 M]
Q. 3	Create a Node.js file that writes an HTML form, with an upload field.	[20 M]
Q.4	Viva	[10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q. 1 Write a Java Program to implement State Pattern for Gumball Machine.

Create instance variable that holds current state from there, we just need to handle all actions, behaviors and state transition that can happen [20 M]

Q.2. Write a python program to implement Decision Tree whether or not to play Tennis.

[20 M]

Q. 3 Create a Node.js file that demonstrates create database and table in MySQL. [20 M]

Q. 4 Viva [10 M]

Duration : 3 Hours		Maximum Marks: 70
Q.1	Design simple HR Application using Spring Framework	[20 M]
Q 2.	Write a python program to implement Linear SVM.	[20 M]
Q. 3	Create a node.js file that Select all records from the "customers" result object on console.	table, and display the [20 M]
Q.4	Viva	[10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement Strategy Pattern for Duck Behavior. Create instance variable that holds current state of Duck from there, we just need to handle all Flying Behaviors and Quack Behavior [20 M]

Q. 2 Write a Python program to prepare Scatter Plot for Iris Dataset. [20 M]

Q. 3 Create a node.js file that Insert Multiple Records in "student" table, and display the result object on console. [20 M]

[10 M]

Q.4

Viva

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a java program to implement Adapter pattern to design Heart Model to Beat Model [20 M]

Q2. Write a python program to find all null values in a given dataset and remove them.

[20 M]

Create a node.js file that Select all records from the "customers" table, and delete the specified record.

[20 M]

Viva [10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement Decorator Pattern for interface Car to define the assemble() method and then decorate it to Sports car and Luxury Car [20 M]

Q. 2 Write a python program to make Categorical values in numeric format for a given dataset [20 M]

Create a Simple Web Server using node js. [20 M]

Duration : 3 Hours	Maximum Marks: 70
Q.1 Write a Java Program to implement an Adapter design Define two classes – Volt (to measure volts) and Sock 120V). Build an adapter that can produce 3 volts, 12 v Implements Adapter pattern using Class Adapter	tet (producing constant volts of
Q.2. Write a Python program to prepare Scatter Plot for Iris I	Dataset [20 M]
Using node js create a User Login System. [20 M]	
Viva	[10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration: 3 Hours Maximum Marks: 70

- Q.1 Write a Java Program to implement Command Design Pattern for Command Interface with execute(). Use this to create variety of commands for LightOnCommand, LightOffCommand, GarageDoorUpCommand, StereoOnWithCDComman. [20 M]
- Q.2. Write a python program to find all null values in a given dataset and remove them.

[20 M]

Write node is script to interact with the filesystem, and serve a web page from a file.

[20 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23
Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and
Web Frameworks

Duration: 3 Hours Maximum Marks: 70

Write a Java Program to implement Facade Design Pattern for HomeTheater

[20 M]

Write a python program to make Categorical values in numeric format for a given dataset [20 M]

Write node js script to build Your Own Node.js Module. Use require ('http') module is a built-in Node module that invokes the functionality of the HTTP libraryto create a local server. Also use the export statement to make functions in your module available externally. Create a new text file to contain the functions in your module called, "modules.js" and add this function to return today's date and time.

[20 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Duration : 3 Hours Maximum Marks: 70

Write a Java Program to implement Observer Design Pattern for number conversion. Accept a number in Decimal form and represent it in Hexadecimal, Octal and Binary. Change the Number and it reflects in other forms also [20 M]

Write a python program to Implement Simple Linear Regression for predicting house price. [20 M]

Create a js file named main.js for event-driven application. There should be a main loop that listens for events, and then triggers a callback function when one of those events is detected.

[20 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement Abstract Factory Pattern for Shape interface.

[20 M].

Q.2. Write a python program to implement Multiple Linear Regression for a given dataset.

[20 M]

Write node js application that transfer a file as an attachment on web and enables browser to prompt the user to download file using express js.

[20 M]

Viva

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a JAVA Program to implement built-in support (java.util.Observable) Weather station with members temperature, humidity, pressure and methods mesurmentsChanged(), setMesurment(), getTemperature(), getHumidity(), getPressure() [20 M]

Q.2. Write a python program to implement Polynomial Linear Regression for given dataset [20 M]

Create your Django app in which after running the server, you should see on the browser, the text "Hello! I am learning Django", which you defined in the index view.

[20 M]

Viva [10 M]

Duration : 3 Hours Maximum Ma		arks: 70
Q.1	Write a Java Program to implement Factory method for Pizza Store with cre orederPizza(), prepare(), Bake(), cut(), box(). Use this to create variety of pilike NyStyleCheesePizza, ChicagoStyleCheesePizza etc.	V ·
Q.2.	Write a python program to implement Naive Bayes.	[20 M]
Q.3 Q.4	Design a Django application that adds web pages with views and templates. Viva	[20 M] [10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement I/O Decorator for converting uppercase letters to lower case letters. [20 M]

Q.2. Write a python program to implement Decision Tree whether or not to play Tennis.

[20 M]

Develop a basic poll application (app). It should consist of two parts:

a) A public site in which user can pick their favourite programming language and vote.

b) An admin site that lets you add, change and delete programming languages.

[20 M]

Viva [10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement command pattern to test Remote Control
[20 M]

Q.2. Write a python program to implement Linear SVM.

Design a Django application: A public site in which user can pick their favourite programming language and vote.

[20 M]

Viva

Duration: 3 Hours Maximum	Marks: 70
Design simple HR Application using Spring Framework	[20 M]
Write a Python program to prepare Scatter Plot for Iris Dataset	[20 M]
Design a Django application: An admin site that lets you add, change and delet	e
programming languages.	[20 M
Viva	[10 M]

Duration : 3 Hours Maximu		aximum Marks: 70
Q. 1	Write a Java Program to implement State Pattern for Gumball Minstance variable that holds current state from there, we just need	d to handle all
	actions, behaviors and state transition that can happen	[20 M]
Q.2.	Write a python program to find all null values in a given dataset an	nd remove them.
		[20 M]
Crea	ate your own blog using Django.	[20 M]
Viva	a	[10 M]

Duration : 3 Hours Max		Maximum Marks: 70
Q.1	Write a Java Program to implement Iterator Pattern for Design Lunch or Dinner Menu	ning Menu like Breakfast, [20 M]
Q.2.	Write a python program to make Categorical values in numeridataset	ic format for a given [20 M]
Im	plement Login System using Django.	[20 M]
Viv	va	[10 M]

Duration : 3 Hours	Maximum Marks: 70
Q.1 Write a Java Program to implement Singleton pattern for multithre	eading [20 M]
Q.2. Write a python program to Implement Simple Linear Regression price.	for predicting house [20 M]
Create a Simple Web Server using node js.	[20 M]
Viva	[10 M]

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Q.1 Write a Java Program to implement Strategy Pattern for Duck Behavior. Create instance variable that holds current state of Duck from there, we just need to handle all Flying Behaviors and Quack Behavior. [20 M]

Q.2. Write a python program to implement Multiple Linear Regression for given dataset. [20 M]

Create a Node.js file that demonstrates create database and table in MySQL.

[20 M]

Viva [10 M]

M.Sc-II (Comp. Sci.) Sem-III Practical Examination -2022-23 Practical Paper(CSUP235) on Software Architecture and Design Patterns, Machine Learning and Web Frameworks

Q.1 Write a Java Program to implement Abstract Factory Pattern for Shape interface.

[20 m]

Q.2. Write a python program to implement Polynomial Linear Regression for given dataset

[20 M]

Create your Django app in which after running the server, you should see on the browser, the text "Hello! I am learning Django", which you defined in the index view.

[20 M]

Viva

[10 M]

Durat	ion : 3 Hours Maximum V	larks: 70
Q.1	Write a JAVA Program to implement built-in support (java.util.Observable) station with members temperature, humidity, pressure and methods mesurmentsChanged(), setMesurment(), getTemperature(), getHumidity(),) Weather
	getPressure()	[20 M]
Q.2.	Write a python program to implement Naive Bayes.	[20 M]
Q.3	Create your own blog using Django	[20 M]
Q.4	Viva	[10 M]

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Q. 1 Write a Java Program to implement State Pattern for Gumball Machine.

Create instance variable that holds current state from there, we just need to handle all actions, behaviors and state transition that can happen [20 M]

Q.2. Write a python program to implement Decision Tree whether or not to play Tennis.

[20 M]

Create a clone of the "Hacker News" website.

[20 M]

Duration : 3 Hours		Maximum Marks: 70
Q.1	Write a Java Program to implement Factory method for Pizz orederPizza(), prepare(), Bake(), cut(), box(). Use this to crelike NyStyleCheesePizza, ChicagoStyleCheesePizza etc.	,
0.2		
Q.2. Q.3	Write a python program to implement Linear SVM. Implement Login System using Django.	[20 M]
Q.3	Implement Login System using Django.	[20 IVI]
Q.4	Viva	[10 M]