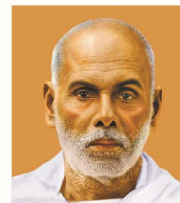
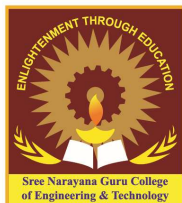


Sree Narayana Guru College of Engineering & Technology

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307

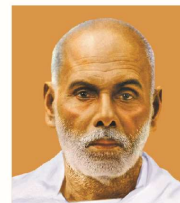


QUESTION PAPER - ASSIGNMENT AND TUTORIAL



Sree Narayana Guru College of Engineering & Technology

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



ASSIGNMENT



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY**

ASSIGNMENT	1	Academic Year / Semester	2022-23/01
Subject name with code	221TCE008 STRUCTURAL DYNAMICS	Branch	COMPUTER AIDED STRUCTURAL ENGG
Date of Issue	14/11/2022	Date of submission	

Q.No	QUESTIONS	Marks	CO	Level
1	<p>A vibrating system consist of a mass 5 kg, spring of stiffness 120 N/m and a damper with a damping coeff of 5 N.s/m. Determine.</p> <p>a) Damping factor</p> <p>b) Natural frequency & damped frequency</p> <p>c) Logarithmic decrement</p> <p>d) Ratio of 2 successive amplitudes</p> <p>e) No. of cycles after which the initial amplitude is reduced to 25%</p>	10	1	3

CO - Course Outcome [CO]

CO 1: Model and analyse single-degree of freedom Systems subjected to free vibration

LEVEL - Bloom's Taxonomy Level

Level 1: Remember
Level 2: Understand
Level 3: Apply

Moyth
HOD

Leena
Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PATTANUR
KANNUR
PAGE 2 OF 3



SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY

ASSIGNMENT	1	Academic Year / Semester	2022-23/01
Subject name with code	221TCE008 STRUCTURAL DYNAMICS	Branch	Computer aided Structural Engg
Date of Issue	14/11/22	Date of submission	24/11/22

ANSWER SCHEME

Q.No		Marks
1.	Damping factor = 0.102	— 2
	Natural frequency = 4.9 rad/sec	— 1
	Damped natural frequency = 4.87 rad/sec	— 1
	Logarithmic decrement = 0.64	— 2
	Ratio between 2 consecutive amplitudes $\frac{x_1}{x_2} = 1.896$	— 2
	No. of cycles after 25% reduction = 2.166 \approx 3 cycles	— 2

[Handwritten signature]

May 4
HOD

Dr.
DR. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY**

ASSIGNMENT	2	Academic Year / Semester	2022-23/01
Subject name with code	221TCE008 STRUCTURAL DYNAMICS	Branch	COMPUTER AIDED STRUCTURAL ENGINEERING
Date of Issue	9/12/2022	Date of submission	

Q.No	QUESTIONS	Marks	CO	Level
1	Explain different types of vibration isolation in detail.	10	2	2

CO - Course Outcome [CO]

CO2: Analyse SDOF systems subjected to different dynamic forces and understand the concept of vibration isolation

LEVEL - Bloom's Taxonomy Level

Level 1: Remember

Level 2: Understand

Level 3: Apply

M. HOD
HOD

Leena

PAGE 2 OF 3

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY**

ASSIGNMENT	2	Academic Year / Semester	22-23/Mtech-S1
Subject name with code	Structural dynamics 22ITCE008	Branch	CAS-M.tech
Date of Issue	9/12/22	Date of submission	16/12/22

ANSWER SCHEME

Q.No		Marks
1.	Vibration isolation - General	2
	Passive isolation (Explanation, methods, significance)	4
	Active isolation (Explanation, methods, significance)	4

[Signature]
9/12/22

[Signature]

[Signature]
HOD

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

ASSIGNMENT	3	Academic Year / Semester	22-23 / 01
Subject name with code	STRUCTURAL DYNAMICS 221TCE008	Branch	Mtech CAS
Date of Issue	4/01/23	Date of submission	11/01/23

Q.No	QUESTIONS	Marks	CO	Level
1	<p>Determine the natural frequencies & mode-shapes for the shear building</p>	10	3	3

CO - Course Outcome [CO]

CO 3: Perform dynamic analysis of MDOF systems

LEVEL - Bloom's Taxonomy Level

Level 1: Remember

Level 2: Understand

Level 3: Apply

May 4
HOD

Leena
Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

TECHNOLOGY

ASSIGNMENT	3	Academic Year / Semester	22-23/01
Subject name with code	STRUCTURAL DYNAMICS 22ITCE008	Branch	Mtech CAS
Date of Issue	4/01/23	Date of submission	11/01/23

ANSWER SCHEME

Q.No		Marks
1	<p>Mass matrix — 1</p> <p>Stiffness matrix — 2</p> <p>Characteristic equation</p> <p>Natural frequencies</p> <p>$\omega_1 = 14.5 \text{ rad/s}$</p> <p>$\omega_2 = 31.1 \text{ rad/s}$</p> <p>$\omega_3 = 46.1 \text{ rad/s}$</p> <p>Modes</p> <p>(1) $\begin{Bmatrix} 0.644 \\ 0.3 \end{Bmatrix}$</p> <p>(2) $\begin{Bmatrix} -0.601 \\ -0.676 \end{Bmatrix}$</p> <p>(3) $\begin{Bmatrix} -2.57 \\ 2.47 \end{Bmatrix}$</p>	<p>— 1</p> <p>— 2</p> <p>— 4</p> <p>— 3</p>

[Signature]
4/01/23

[Signature]
HOD

[Signature]

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

Assignment no.	4	Academic Year / Semester	2022-23 / 01
Subject name with code	STRUCTURAL DYNAMICS 221TCE008	Branch	M.TECH CAS
Date of Issue	18/01/23	Date of submission	25/01/23

Q.No	QUESTIONS	Marks	CO	Level
1	<p>Find the damped vibration response of the 2-storey shear building due to harmonic excitation</p> <p>$\{P(t)\} = \{P_0\} \sin \omega t$ & $c = \sqrt{\frac{k m}{200}}$</p>	10	4	3

CO - Course Outcome [CO]

CO 4 : Perform the analysis of MDOF systems subjected to forced vibration

LEVEL - Bloom's Taxonomy Level

Level 1 : Remember

Level 2 : Understand

Level 3 : Apply

Maya
HOD

Leena
Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING

& TECHNOLOGY

Assignment no.	4	Academic Year / Semester	2022-23 / 01
Subject name with code	STRUCTURAL DYNAMICS 221TCE008	Branch	M. TECH CAS
Date of Issue	18/01/23	Date of submission	25/01/23

ANSWER SCHEME

Q.No		Marks
1	Equation of motion & $[M]$, $[K]$, $[C]$, matrices — 1 Solving the characteristic equation and finding the values of natural frequencies & mode shapes $\omega_1 = \sqrt{\frac{k}{m}}$ $\omega_2 = \sqrt{\frac{2k}{m}}$ $\{\phi_1\} = \begin{Bmatrix} 0.5 \\ 1 \end{Bmatrix}$ $\{\phi_2\} = \begin{Bmatrix} -1 \\ 1 \end{Bmatrix}$ — 3 Formation of uncoupled matrices $[M^*]$, $[K^*]$, $[C^*]$, $\{P^*\}$ — 3 Calculation of generalized coordinates $q(t)$ — 2 Calculation of Displacement response $x(t) = \sum \{\phi\} q(t)$ — 1	

[Signature]
18/01/23

[Signature]

HOD

[Signature]

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING

& TECHNOLOGY

Assignment no.	5	Academic Year / Semester	2022-23 M TECH S1.
Subject name with code	STRUCTURAL DYNAMICS 22ITCE 008	Branch	M TECH CAS
Date of Issue	02/02/23	Date of submission	09/02/23

Q.No	QUESTIONS	Marks	CO	Level
1	Form the differential equation for axial vibration of rods.	10	5	2.

CO - Course Outcome [CO]

CO 5 : Perform the dynamic analysis of distributed parameter systems

LEVEL - Bloom's Taxonomy Level

Level 1 : Remember

Level 2 : Understand

Level 3 : Apply

Maya
HOD

Leena
Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PANNUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY

Assignment no.	5	Academic Year / Semester	2022-23 / 01
Subject name with code	STRUCTURAL DYNAMICS 22ITCE008	Branch	M.TECH CAS
Date of Issue	02/02/23	Date of submission	09/02/23

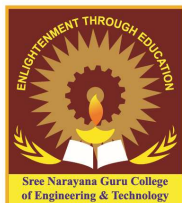
ANSWER SCHEME

Q.No		Marks
1	Free body diagram — 3 stress-strain & axial force relations. — 3 Differential eqn of motion from the free body diagram. — 3 General solution — 1	10

02/02/2023

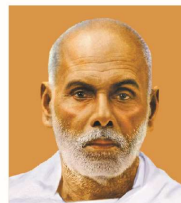
HOD

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR

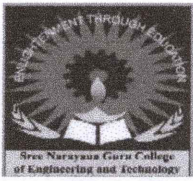


Sree Narayana Guru College of Engineering & Technology

CHALAKKODE P.O., KOROM, PAYYANUR, KANNUR-670 307



TUTORIAL



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
PAYYANNUR, KANNUR

<i>Tutorial</i>	1	<i>Academic Year / Semester</i>	2022-23/5
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	14/09/2022	<i>Date of submission</i>	29/09/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Illustrate the following java program: 1. Check the given number is prime or not 2. Check the given number is odd or even 3. Check the given string is palindrome or not 4. Print Fibonacci series 5. Matrix Addition 6. Sum of elements in an array. 7. Print a pyramid series	35	I	2

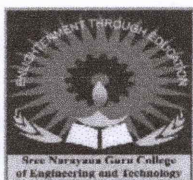
CO - Course Outcome [CO]

CO 1: Implement programs in Java which use data types, operators, control statements, built in packages & interfaces, Input/output streams and Files.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

PAYYANNUR, KANNUR

ANSWER KEY/VALUATION SCHEME

<i>Tutorial</i>	1 (SCHEME)	<i>Academic Year / Semester</i>	2022-23/5
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	14/09/2022	<i>Date of submission</i>	29/09/2022


<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	<p>Illustrate the following java program:</p> <ol style="list-style-type: none">1. Check the given number is prime or not2. Check the given number is odd or even3. Check the given string is palindrome or not4. Print Fibonacci series5. Matrix Addition6. Sum of elements in an array.7. Print a pyramid series <p>Each programs – 5 marks</p>	35	I	2

CO - Course Outcome [CO]

CO 1: Implement programs in Java which use data types, operators, control statements, built in packages & interfaces, Input/output streams and Files.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
PAYYANNUR, KANNUR

<i>Tutorial</i>	2	<i>Academic Year / Semester</i>	2022-23/5
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	1/10/2022	<i>Date of submission</i>	10/10/2022


<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	<p>Illustrate the following UML diagram:</p> <ol style="list-style-type: none">1. Use case for Movie Reservation System.2. Use case for Online Music Player System.3. Class diagram for a Library Management System.4. Class diagram for Online Movie Ticket Booking.5. Activity diagram for Food Ordering System.	25	I	2

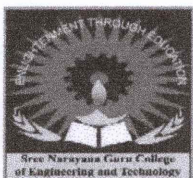
CO - Course Outcome [CO]

CO 1: Implement programs in Java which use data types, operators, control statements, built in packages & interfaces, Input/output streams and Files.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
PAYYANNUR, KANNUR

ANSWER KEY/VALUATION SCHEME

<i>Tutorial</i>	2 (SCHEME)	<i>Academic Year / Semester</i>	2022-23/5
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	1/10/2022	<i>Date of submission</i>	10/10/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	<p>Illustrate the following UML diagram:</p> <ol style="list-style-type: none">1. Use case for Movie Reservation System.2. Use case for Online Music Player System.3. Class diagram for a Library Management System.4. Class diagram for Online Movie Ticket Booking.5. Activity diagram for Food Ordering System. <p>Diagram- 5 marks each</p>	25	I	2

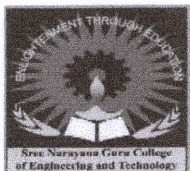
CO - Course Outcome [CO]

CO 1: Implement programs in Java which use data types, operators, control statements, built in packages & interfaces, Input/output streams and Files.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY**

<i>Tutorial</i>	3	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	07/10/2022	<i>Date of submission</i>	14/10/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Demonstrate the following control statements in Java: i. Decision Making /Selection Statements ii. Looping Statements iii. Jump Statements	10	2	2

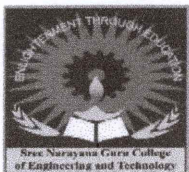
CO - Course Outcome [CO]

CO 2 :To get thorough knowledge of java languages and to utilize the features of java like datatypes, operators, control statements etc and how to use the object oriented concepts - classes, objects ,constructors, data hiding, inheritance and polymorphism.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY
PAYYANUR, KANNUR

Answer key /Valuation Scheme

<i>Tutorial</i>	3(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	07/10/2022	<i>Date of submission</i>	14/10/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Demonstrate the following control statements in Java: i. Decision Making /Selection Statements ii. Looping Statements iii. Jump Statements Syntax and Flowchart – 5 marks for each , Programming Example – 5 marks for each	30	2	2

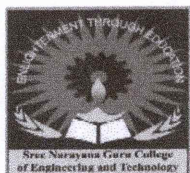
CO - Course Outcome [CO]

CO 2 : To get thorough knowledge of java languages and to utilize the features of java like datatypes, operators, control statements etc and how to use the object oriented concepts - classes, objects ,constructors, data hiding, inheritance and polymorphism.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

<i>Tutorial</i>	4	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	17/10/2022	<i>Date of submission</i>	25/10/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Contrast the difference between Method overloading and Method Overriding.	5	2	2
2.	Define abstract class.	5	2	1
3.	Compare and contrast class and abstract class.	5	2	2


CO - Course Outcome [CO]

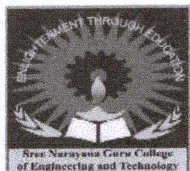
CO 2 : To get thorough knowledge of java languages and to utilize the features of java like datatypes, operators, control statements etc and how to use the object oriented concepts - classes, objects ,constructors, data hiding, inheritance and polymorphism.

LEVEL - Bloom's Taxonomy Level

Level 1: Remenmbering

Level 2: Understanding


DR. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY, KANNUR

Answer Key/Valuation Scheme

<i>Tutorial</i>	4(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	17/10/2022	<i>Date of submission</i>	25/10/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Contrast the difference between Method overloading and Method Overriding. Any 5 points – 5 marks	5	2	2
2.	Define abstract class. Definition -1 mark, Explanation – 4 marks	5	2	1
3.	Compare and contrast class and abstract class. Comparison – 5 marks	5	2	2

CO - Course Outcome [CO]

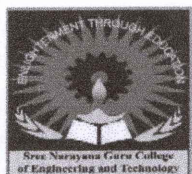
CO 2 : To get thorough knowledge of java languages and to utilize the features of java like datatypes, operators, control statements etc and how to use the object oriented concepts - classes, objects ,constructors, data hiding, inheritance and polymorphism.

LEVEL - Bloom's Taxonomy Level

Level 1: Remembering

Level 2: Understanding


DR. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY**

<i>Tutorial</i>	5	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	31/10/2022	<i>Date of submission</i>	11/11/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Develop a java package named primepackage, with a class Prime containing a static method that check whether a number is prime or not and returns that information. Import this package in another class and use to check a number is prime or not.	5	3	3
2.	Illustrate a java package named "even" package with a class Even containing a static method to check whether a given number is even or not.	5	3	2
3.	Contrast the difference between packages and interface.	5	3	2

CO - Course Outcome [CO]

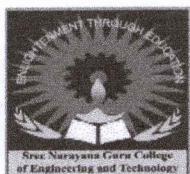
CO 3: To understand the utilization of built in packages & interfaces and to illustrate how robust programs can be written in Java using exception handling mechanism , Input/ Output Streams and Files in Java to develop programs

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding

Level 3: Applying

DR. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING &
TECHNOLOGY PAYYANNUR, KANNUR**

Answer Key / Valuation Scheme

<i>Tutorial</i>	5(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	31/10/2022	<i>Date of submission</i>	11/11/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Develop a java package named primepackage, with a class Prime containing a static method that check whether a number is prime or not and returns that information. Import this package in another class and use to check a number is prime or not. Syntax and logic -2.5 mark , Program – 2.5 marks.	5	3	3
2.	Illustrate a java package named “even” package with a class Even containing a static method to check whether a given number is even or not. Syntax and logic -2.5 mark , Program – 2.5 marks.	5	3	2
3.	Contrast the difference between packages and interface. Any 5 points -5 marks.	5	3	2

CO - Course Outcome [CO]

CO 3: To understand the utilization of built in packages & interfaces and to illustrate how robust programs can be written in Java using exception handling mechanism , Input/ Output Streams and Files in Java to develop programs

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding

Level 3: Applying

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

<i>Tutorial</i>	6	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	22/11/2022	<i>Date of submission</i>	30/11/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Explain in detail following file handling operations in java: i. Create a file ii. Get information of a file iii. Read from a file iv. Write to a file v. Delete a file	10	3	2

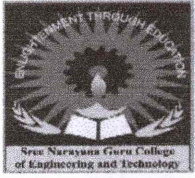
CO - Course Outcome [CO]

CO 3: To understand the utilization of built in packages & interfaces and to illustrate how robust programs can be written in Java using exception handling mechanism , Input/ Output Streams and Files in Java to develop programs

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

Valuation Key/ Answer Scheme

<i>Tutorial</i>	6(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	22/11/2022	<i>Date of submission</i>	30/11/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Explain in detail following file handling operations in java: i. Create a file ii. Get information of a file iii. Read from a file iv. Write to a file v. Delete a file Each operation with simple java program – 10 marks.	10	3	2

CO - Course Outcome [CO]

CO 3: To understand the utilization of built in packages & interfaces and to illustrate how robust programs can be written in Java using exception handling mechanism , Input/ Output Streams and Files in Java to develop programs

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

<i>Tutorial</i>	7	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	02/12/2022	<i>Date of submission</i>	15/12/2022


<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Illustrate different event classes and event listener interface in java.	10	4	2

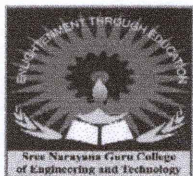
CO - Course Outcome [CO]

CO 4: To provide basic exposure for the application of programs in java using multithreading, string handling mechanisms, collection framework and event handling mechanisms.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PATTANUR
KANNUR



SREE NARAYANA GURU COLLEGE OF ENGINEERING & TECHNOLOGY

Valuation Key/ Answer Scheme

<i>Tutorial</i>	7(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	02/12/2022	<i>Date of submission</i>	15/12/2022


<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Illustrate different event classes and event listener interface in java. List out the event class and event listener interface- 2 marks, Explanation – 8 marks.	10	4	2

CO - Course Outcome [CO]

CO 4: To provide basic exposure for the application of programs in java using multithreading, string handling mechanisms, collection framework and event handling mechanisms.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANJUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

<i>Tutorial</i>	8	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	12/12/2022	<i>Date of submission</i>	21/12/2022

<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Explain in detail different Swing layout managers in Java swing.	10	5	2

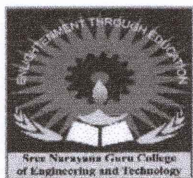
CO - Course Outcome [CO]

CO 5: To impart the techniques of creating GUI based applications and database connectivity.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding

Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYYANUR
KANNUR



**SREE NARAYANA GURU COLLEGE OF ENGINEERING
& TECHNOLOGY**

Valuation Key/ Answer Scheme

<i>Tutorial</i>	8(Scheme)	<i>Academic Year / Semester</i>	2022-23/ 3
<i>Subject name with code</i>	CST 205 OBJECT ORIENTED PROGRAMMING USING JAVA	<i>Branch</i>	CSE
<i>Date of Issue</i>	12/12/2022	<i>Date of submission</i>	21/12/2022


<i>Q.No</i>	<i>QUESTIONS</i>	<i>Mark</i>	<i>CO</i>	<i>Level</i>
1.	Explain in detail different Swing layout managers in Java swing. List out the Swing layout manager - 2 marks, Explanation with figures- 8 marks.	10	5	2

CO - Course Outcome [CO]

CO 5: To impart the techniques of creating GUI based applications and database connectivity.

LEVEL - Bloom's Taxonomy Level

Level 2: Understanding


Dr. LEENA A. V.
PRINCIPAL
SREE NARAYANA GURU COLLEGE OF
ENGINEERING & TECHNOLOGY, PAYANUR
KANNUR