Roll No.

2022572(022)

Write a program to display the total which is

Diploma (Fifth Semester)

EXAMINATION, Nov.-Dec., 2021

(Scheme: New) NITTTR

How we can scould an object of a dieself Explain (Branch: CSE)

JAVA PROGRAMMING

Time: Three Hours Maximum Marks: 70

[Minimum Pass Marks: 25

Note: All question are compulsory. Use programming example, whenever it is asked in question.

Attempt any three questions: 3×5=15

- What Is no exception? How are they hundred? (a) Explain the various features of Java.
- (b) Explain various accesses specifies in Java.

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- (c) Java is pure OOP's ? Explain your answer with explanation.
- (d) Write a program to display the output which is given below:

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EXAMINATION, Nov.-Dec. 1021

2. Attempt any three questions:

 $3\times5=15$

- (a) How we can create an object of a class? Explain the use of new keyword.
- (b) Why garbage collection is required in java?
- (c) What is Inheritance? What are its types?
- (d) Explain method over ridding with example.
- (e) Develop a program to calculate factorial of a number.
- 3. Attempt any three questions:

3×5=15

- (a) What is an exception? How are they handled?
- (b) How packages are created and imported in java?

 Explain with example.

- (c) What are the difference betweens interface and Abstract class?
- (d) What is java's API Packages?
- (e) Develop a program to explain user define exception.
- 4. Attempt any one question:

- 5

- (a) Write short on following functions:
 - (i) indexOf()
 - (ii) equals()
 - (iii) length()
- (b) Develop given layout with help of swing class:



(iii) CresinStatement)

5. Attempt any one question:

- (a) Explain the thread life cycle in detail, along with diagram.
- (b) Explain thread synchronization with help of example.

6. Attempt any three questions:

 $3 \times 5 = 15$

- (a) Explain Action Event with example.
- (b) Explain MouseListener with example.
- (c) What are different methods of database connection? Write a short note on it.
- (d) Explain following functions by using it properly in a program:
 - (i) ForName()
 - (ii) getConnection()
 - (iii) CreateStatement()
 - (iv) executeQuery()
 - (v) closing()