1/61

1205E585

Candidate's Seat No:_____

IMSc DS (NEP) Sem.2 Examination

DSC-M-DTSC-123

Object Oriented Programming with Java

Time : 1-00 Hours] **May-2025** **[Max. Marks : 25**

Instructions: All questions are compulsory. Use of non-programmable scientific calculator is allowed.

Q.1 **(a)** Explain If Else features of Java in Detail **(05)**

(b) Explain final keyword in java with Example. **(05)**

OR

(a) Explain For Loop Statement in Java with Example. **(05)**

(b) Explain the concept of arrays in java with Example. **(05)**

Q.2 **(a)** Explain the concept of multi level inheritance in java with Example. **(05)**

(b) Explain the concept of this keyword in Java with example. **(05)**

OR

(a) Explain the concept of try catch finally in java with Example. **(05)**

(b) Define Thread. Explain different Priorities of Thread. **(05)**

Q.3 Attempt any **FIVE** out of **SIX:**(Each carry 01 mark) **(05)**

(1) **What does the super keyword refer to in Java?**

a) The current class
b) The base (parent) class
c) A static method
d) A final method

(2) **Which of the following blocks must be used to handle exceptions in Java?**

a) try
b) catch
c) finally
d) All of the Above

(3) **What is the index of the first element in a Java array?**

a) 0
b) 1
c) -1
d) Depends on Array Type

(4) **What happens if you declare a method as final in Java?**

a) The method can be overridden in subclasses
b) The method cannot be inherited
c) The method cannot be overridden
d) The method must be static

(5) **Which keyword is used in Java to inherit a class?**

a) implement
b) import
c) extends
d) inherit

(6) **What is the purpose of the this keyword in Java?**

a) It refers to the parent class
b) It refers to the current object
c) It creates a new object
d) It destroys the current object

**** All the Best ****