

RAN-2511000904011001

Bachelor of Computer Applications (NCF-NEP) (Sem. - IV) Examination September - 2025
Major - 1 - 403 : Java Programming Language (TH) New

Time: 1 Hour]

[Total Marks: 25

સૂચના : / Instructions

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
- (2) All questions are compulsory.
- (3) Figures to the right indicate full marks.

Seat No.:

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Student's Signature

Q. 1. Answer the following (Any 5)

(05)

- Java compiler generates _____ instructions which are machine independent.
A. Source code
B. Byte code
C. Machine code
D. Class code
- Which of the following is the correct statement if you want to create an object of a Robot class?
A. Robot r;
B. Robot r = new Robot();
C. Robot r = new Robot();
D. None of these
- Which of the members cannot be inherited from a super class to subclass?
A. private
B. protected
C. public
D. default
- The statements that a programmer wants to monitor for exceptions should be written in which block?
A. try
B. finally
C. throw
D. catch
- indexOf() method returns ____ if character is not found in the invoking string object.
A. 0
B. -1
C. NULL
D. False
- How is a node inserted at the end of a singly circular linked list?
A. By updating the reference of the last node
B. By creating a new node with a reference to the last node
C. By creating a new node with a circular reference
D. By deleting the last node and inserting a new one
- Java is platform Independent Language.
A. True
B. False

Q.2. A. Compare feature of Java with any other object oriented programming language.

(04)

OR

- A.** Explain iteration control in detail.

- B.** What is interface? How interfaces are created and implemented? Also discuss difference between interfaces and abstract class.

(04)

OR

- B.** Explain method overloading and overriding with example

Q. 3. A. List method of String class. Explain any three methods from string class. **(04)**

OR

A. Explain Exception handling in java with example.

B. What is Thread? Explain thread life cycle. **(04)**

OR

B. What is package? How can we create sub package and import into another class?

Q. 4. What is Link List? Explain operations of create and insert node in single link list. **(04)**

OR

What is Circular Link List? Explain operations of create and insert node in circular link list.
