

R13**Code No: 813AQ****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA III Semester Examinations, January - 2018****JAVA PROGRAMMING****Time: 3 Hours****Max. Marks: 60****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A**5 × 4 Marks = 20**

- 1.a) How and Where this reference is used in java programming? [4]
- b) What are the different ways of using super keyword? [4]
- c) Explain about string tokenizer. [4]
- d) Differentiate between checked and unchecked exceptions. [4]
- e) Explain different types of layout managers. [4]

PART - B**5 × 8 Marks = 40**

- 2.a) How does Java implement platform independence? [4+4]
- b) Explain about method binding.

OR

- 3.a) Discuss about static methods with examples.
- b) Explain different types of parameter passing mechanism available in java. [4+4]

- 4.a) What is the difference among final, finally and finalize? [4+4]
- b) Explain about abstract classes.

OR

5. What are packages? In how many ways packages can be created? Explain the steps to create packages? [8]

6. Explain about File management using File class. [8]

OR

7. Explain client server interaction with datagrams. [8]

8. What is meant by exceptions? Whether Java is having automatic exception handling mechanism? [8]

OR

9. Differentiate between multi threading and multitasking. [8]

- 10.a) State and explain with a sample Java program various layout managers? [4+4]
- b) Discuss how to pass parameters to Applets.

OR

11. Explain about various Event Listener interfaces with their syntax. [8]

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