B. T. Con	No.: rtuonline.com 6E6094 Tech. (Sem. VI) (Back) Examination, April-May 2018 nputer Sc. & Engg. 4(O) Programming in Java CS, IT
Time : 3 H	
Questions necessary. Use of fo	t any five questions, selecting one question from each unit. All arry equal marks. Schematic diagrams must be shown whereve Any data you feel missing suitably be assumed and stated clear Units of quantities used / calculated must be stated clearly. Illowing supporting material is permitted during examination. and in form No. 205)
1. <u>NIL</u>	. 2. <u>NIL</u>
	UNIT - I
1 (a)	What is JAVA Virtual machine? Explain the features of JAVA.
(b)	What are JAVA byte code? Explain different JAVA applications in deta
	OR
1 (a)	
(b)	Write a JAVA program to implement matrix multiplication if matrix is the order of 2/2.

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What is constructor? Write a program to pass an object as a parameter. 2 (a) (b) What is abstract class? Explain in detail. OR What is inheritance? Explain its type in detail. (a) What is the use of final keyword in inheritance? Also explain method (b) overloading with a suitable example. UNIT - III rtuonline.com What is package? Explain various inbuilt packages in detail. (a) (b) What are the advantages of interface in JAVA? Explain with a suitable example. 8 OR What is string Buffer Class? Explain. 3 (a) 8 Explain atleast 5 string functions and its operation in detail. (b) 8 UNIT - IV What is exception? What are the difference between error and exception?

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What are the different keywords used to handle an exception in exception

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(b)

handling?

- 4 (a) What are the types of exception in a user program ?
 - (b) Explain different file modes in detail with a suitable example.

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UNIT - V

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- 5 (a) What are applets? Write an applet program to draw a polygon.
 - (b) What are threads? Explain the life cycle of thread with different thread functions.

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OR

Write short notes on : (any two)

8×2=16

- (i) Thread synchronization
- (ii) Applet Architecture
- (iii) Thread object and thread priority

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