

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination – Winter 2018

Course: B. Tech in Information Technology

Sem: III

Subject Name: Programming in Java

Subject Code: BTITE305B

Max Marks:60

Date: 10-12-2018

Duration: 3

Hr.

**Instructions to the Students:**

1. Solve ANY FIVE questions out of the following.
2. The level question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

	(Level/CO)	Marks
Q. 1 Solve the following.		
A) Write any two methods of array list class with their syntax.	Application	04
B) Why java became platform independent language? Explain.	Analysis	04
C) State & explain scope of variable with an example.	Remember	04
Q.2 Solve the following.		
A) Explain inheritance and polymorphism features of Java.	Comprehension	04
Explain how interface is used to achieve multiple Inheritance in Java.	Application	04
B)		
C) Define a class and object. Write syntax to create class and object with an example.	Remember	04
Q. 3 Solve the following.		
A) Define applet. Write a program to create an applet to display message "Welcome to java applet".	Remember	04
	Application	
B) Which are the ways to access package from another package? Explain with example.	Comprehension	04
C) Explain applet life cycle with suitable diagram.	Comprehension	04
Q.4 Solve the following.		
A) Write a program to create two thread one to print odd number only and other to print even numbers.	Application	04
B) With proper syntax and example explain following thread methods: (1) wait( ) (2) sleep( ) (3) resume( ) (4) notify( )	Remember	04
	Comprehension	
C) With syntax and example explain try & catch statement.	Comprehension	04

Q. 5 Solve the following.

- A) Give the syntax of following methods of graphics class. Explain their use with suitable program: Comprehension 08
- (i) drawRoundRect( ) (ii) drawPolygon( ) (iii) drawOval( ) (iv) drawString( )
- B) Write a applet program to set background with red colour and foreground with blue colour. Application 04

Q.6 Solve the following.

- A) Write a java program to copy the content of the file "file1.txt" into new file "file2.txt". Application 08
- B) Explain byte stream class in detail. Comprehension 04

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