

SECTION - I

Roll No.

24469

B. Tech. 7th Semester (IT)

Examination – May, 2019

ADVANCED JAVA

Paper : CSE-409-F

Time : Three Hours] [Maximum Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all, selecting *one* question from each Section. Question No. 1 is *compulsory*.

1. Write a short note on the following :

- (a) Differentiate between Overloading and Overriding.
- (b) Explain types of inheritance.
- (c) Briefly explain digital signatures.
- (d) What are the roles of client and server ?

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- 2. (a) How to implementing the servers ? Explain with the help of examples. 10
- (b) Write down about advanced socket programming in detail. 10
- 3. (a) What is multithreading ? Mention its advantages and write a program that implement multithreading. 12
- (b) Explain the exception handling in Java. 8

SECTION - II

- 4. What is Remote Method Invocation ? Explain the steps for setup the RMI in detail. 20
- 5. Briefly explain : 20
 - (i) Scrollable and Updatable Result Sets
 - (ii) Meta Data
 - (iii) JAVA IDL & CORBA
 - (iv) RMI with SOAP

SECTION - III

- 6. What is Java Swing ? How we can implement lists and tables using swing ? <https://www.haryanapapers.com>
- 7. Explain the following with reference to AWT : 20
 - (a) Image Manipulation
 - (b) Shapes & Areas
 - (c) Clipping

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SECTION – IV

8. Explain the following : 20
- (a) Encryption
 - (b) Security manager & permission
 - (c) Property editors
9. Write a short note on : 20
- (a) Class Loader.
 - (b) Byte code verification
 - (c) Bean writing process
 - (d) Customizers
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