

Roll No.:

Total No. of Questions : 11] [Total No. of Printed Pages : 4

**PK-426**

**M.Sc. II Semester Computer Science  
(Reg./ATKT) Examination June 2018**

**PROGRAMMING IN JAVA**

**Paper - IV**

*Time Allowed : Three Hours]*

*[Maximum Marks : 85*

**Note : Attempt all questions.**

**Section - A  
Objective Type Questions**

**Q.1. Choose the correct answer: 5×1=5**

i) JVM is a/an \_\_\_\_\_ in Java.

- (a) Compiler
- (b) Interpreter
- (c) Both (a) and (b)
- (d) None of the above

ii) Which of these is not an access specifier in JAVA.

- (a) public
- (b) protected
- (c) byte
- (d) private

YA18-682

PK-426

**P.T.O.**

**(2)**

iii) \_\_\_\_\_ keyword is used for catching any previously uncaught exception.

- (a) Abstract
- (b) Super
- (c) Final
- (d) Finally

iv) Which is not a feature of JAVA.

- (a) Polymorphism
- (b) Multithreading
- (c) Compiled and Interpreted
- (d) None of the above

v) One interface can inherit another by use of the keyword.

- (a) import
- (b) extends
- (c) this
- (d) super

**Section - B  
Descriptive Type Questions**

10×8=80

**Q.2. Why is Java Known as platform independent language? How is Java strongly associated with Internet?**

**OR**

**Describe the various tools used in application development.**

YA18-682

PK-426

**Contd...**

(3)

Q.3. Write the procedure of creating and executing Java applet with suitable program.

OR

Explain the various design features of Java.

Q.4. Explain different type of jumping statements used in Java with the help of example.

OR

What is the difference between variable and constants?

Q.5. Describe the different looping statements in Java.

OR

Describe the following:

- a) Wrapper classes
- b) Objects and methods

Q.6. What is Java Package? Explain various built-in packages.

OR

What do you mean by Abstract Class? How it differ from final class?

(4)

Q.7. Write down the mechanism of exception handling with example.

OR

How the super keyword is used in Java? And why it is used?

Q.8. Explain two ways to create thread in Java.

OR

Explain the concept of synchronization and Inter thread communication. <http://www.onlinebu.com>

Q.9. Explain the Datagram Programming in detail.

OR

Describe the TCP/IP networking in Java.

Q.10. Differentiate between AWT and swings. Explain the working of AWT classes.

OR

Describe various event classes and interfaces.

Q.11. Write the short note on the followings: (any two)

- a) Adapter and Inner classes
- b) Delegation Event Model
- c) Working with Windows
- d) Java Swing Applet

