



MS – 371

VI Semester B.A./B.Sc. Examination, May 2016
(Freshers) (Semester Scheme) (2015 – 16 Only)
COMPUTER SCIENCE – VII
Object Oriented Programming using Java

Time : 3 Hours

Max. Marks : 70

Instruction : Answer *all* the Sections.

SECTION – A

- I. Answer **any ten** questions. **Each** questions carries **two** marks. **(2×10=20)**
- 1) Mention the different access specifiers used in JAVA.
 - 2) What is the purpose of import statement ?
 - 3) Mention any two differences between C and JAVA.
 - 4) What is a Byte Code ?
 - 5) Mention the two ways in which a thread can be created in JAVA.
 - 6) What is an applet ? Write the syntax and an example of applet.
 - 7) What is finalizer method ? Give an example.
 - 8) What is a package ? Mention any two API packages of JAVA.
 - 9) How do we set priority of a Thread ? Give example.
 - 10) What is a wrapper class ? Mention the method used to convert a string to primitive data type.
 - 11) What is JVM ? Explain.
 - 12) What is an abstract class ?

P.T.O.



SECTION – B

II. Answer **all** the questions. **Each** question carries **ten** marks. **(10×5 = 50)**

- 13) a) Explain any five features of JAVA. **5**
b) What is command line arguments ? Explain with an example. **5**

OR

- a) Explain loops in JAVA with example. **5**
b) Explain switch statement with an example. **5**
- 14) a) What is inheritance ? Explain the different types of inheritance used in JAVA. **5**
b) Explain super and this keyword in JAVA with an example. **5**

OR

- a) Explain static members with example. **5**
b) Explain final keyword with example. **5**
- 15) a) What is constructor ? Explain the different types of constructors. **5**
b) Write a JAVA program to find area of a cube using different types of constructors. **5**

OR

- a) Explain any five string functions with example. **5**
b) Write a JAVA program to reverse a string. **5**
16. a) What is an interface ? Explain defining and implementing interfaces with an example. **5**
b) Differentiate between method overriding and method over loading. **5**

OR

- a) Explain scope of variables with example. 5
- b) Discuss various visibility modifiers used in JAVA. 5
- 17) a) What is a thread ? Explain thread life cycle of JAVA. 5
- b) What is an exception ? Explain exception handling mechanism of JAVA. 5
- OR
- a) Explain the applet life cycle mechanism of JAVA. 5
- b) What is a stream ? Explain different types of stream classes. 5
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