

NOVEMBER/DECEMBER 2019

**BIM53 — JAVA PROGRAMMING**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List down the Java Tokens.
2. What is called Type casting?
3. Give the general syntax of 'if' statement.
4. What is known as Associativity of an operator?
5. Define a class.
6. List down the various visibility control.
7. Define a package.
8. Expand the term API.
9. What is called an Applet?
10. Write the acronym for HTML.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Compare and contrast Java with C and C++.  
Or  
(b) Draw and explain the Java Program structure.
12. (a) Explain the general format of Switch statement with example.  
Or  
(b) Discuss the significance of using 'for' statement.
13. (a) Write short notes on constructors.  
Or  
(b) Elucidate the concept behind Final classes.
14. (a) Describe the steps for Defining, Extending and Implementing Interfaces.  
Or  
(b) Explain the life cycle of a Thread.
15. (a) Differentiate between Application and Applets.  
Or  
(b) Elucidate the process of passing parameters to applets.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. List and explain the Java Features.
17. Discuss the various types of operators.
18. Write short notes on the following  
(a) Static Members  
(b) Abstract Methods and classes
19. Describe in detail about Exception Handling.
20. Expound the Applet life cycle with neat diagram.