

**UG-463**

**BMC-35**

**B.Sc. DEGREE EXAMINATION —  
DECEMBER 2018.**

**Third Year**

**Mathematics with Computer Applications**

**INTRODUCTION TO INTERNET  
PROGRAMMING (JAVA)**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE of the following.

1. Discuss about Java constants with example.
2. What are constructors? Discuss about the usage of constructors with examples.
3. Write short notes on : Common Java Exceptions.
4. Write a Java program to illustrate the use of Flow Layout Manager.
5. Write a program in Java to print the row sum of each row in a matrix.

6. Write a program to read  $n$  integers and print the odd numbers in them.
7. Why java is Object – Oriented language? Discuss in Detail.
8. Explain about applet life cycle.

PART B — ( $5 \times 10 = 50$  marks)

Answer any FIVE of the following.

9. Discuss briefly on Data Types in Java with examples.
10. Explain branching and looping statements in Java with suitable examples.
11. Write in detail about wrapper classes in Java.
12. Explain about creating packages and accessing a package with examples.
13. Write an Applet program to draw a computer using the paint method.

14. Discuss in detail about inheritance in java.
  15. Discuss in detail, defining extending and implementing interface with example.
  16. Discuss in detail about Java features.
-