

**C 3503**

B.C.A. (Three Year) DEGREE EXAMINATION, OCTOBER/NOVEMBER 2017.

End Semester Examination

Third Semester

Part – II

(Regular/Supplementary)

**OBJECT ORIENTED PROGRAMMING USING JAVA**

*Time : 3 Hours*

*Max. Marks : 70*

**PART — A**

Answer any FIVE of the following. **(5 × 4 = 20 Marks)**

1. What is scope of variable?
2. Explain about JVM.
3. Define “else-if ladder” statement.
4. When do we declare a member of class static?
5. What are the differences between class and interface?
6. What is synchronization? When do we use it?
7. What is an exception? Explain different types of exceptions.
8. Write about Java API packages.

**PART — B**

Answer ALL of the following questions. **(5 × 10 = 50 Marks)**

**UNIT – I**

9. (a) What are the benefits of OOPS?  
Or  
(b) What is a java statement? How do the Java statements differ from those of C and C++?

**UNIT – II**

10. (a) What are the differences between “while” and “do-while” loop?  
Or  
(b) How can you access members and methods in Java? Explain with java program.

Turn Over

UNIT – III

11. (a) Write a statement to declare and instantiate an array to hold marks obtained by student in three subjects.

Or

- (b) Describe different forms of inheritance with example.

UNIT – IV

12. (a) What is the difference between suspending and stopping a thread?

Or

- (b) How many catch blocks can we use with one try block?

UNIT – V

13. (a) Discuss about local applets and remote applets.

Or

- (b) What are the concepts of streams?
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