

Roll No. ....

**67115**

**MCA 3rd Semester (with old notes)**

**Examination – December, 2016**

**OBJECT TECHNOLOGY**

**Paper : MCA-305**

*Time : Three Hours ] [ Maximum Marks : 80*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt five questions in all, selecting at least one from each Unit. All questions carry equal marks.*

**UNIT – I**

1. Why JAVA language is compatible for Internet ? What are characteristics of JAVA and explain each with example. 16

2. (a) What is array of array ? How declare and initialize array of array ? Explain with a matrix multiplication example. 10
- (b) How string different from array ? Explain with example. 6

**UNIT – II**

3. Why multiple inheritance is not supported by Java ? What are types of inheritance ? Explain each by example. 16
4. How package is main part of JAVA ? What are types of Package ? Explain with Creating Your Own Package and inbuilt package. 16

**UNIT – III**

5. How multithreading is strength of JAVA ? How to create a Thread by Extending a Thread class ? Illustrate life cycle of thread through suitable program in Java. 16

6. (a) How to create status window using Applet ? Explain how applet codes embedded into HTML file. 9
- (b) What is role of Input/output in JAVA ? Explain with example reading and writing on files. 7

**UNIT – IV**

7. Explain the following with examples : 5 + 5 + 6
- (a) Layout managers and Menus
- (b) Working with frame
- (c) Managing text output using font metrics
8. What are AWT classes ? What is Java AWT Hierarchy available in JAVA ? Explain with inbuilt methods in a example. 16