

Roll No. ....

**67145**

**MCA 3rd Semester (With New  
Notes) (Non CBCS)**

**Examination – December, 2018**

**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 *one* question from each Unit. Question No. 1 is **compulsory**. All questions carry equal marks.

1. (a) What is thread priority ?  
(b) What do you mean by byte code ?  
(c) What do you mean by HTML tag ?  
(d) What is Iterator ?  
(e) What are runtime exceptions ?  
(f) What is synchronization ?  
(g) What is the difference between error and an exception ?  
(h) What is this variable ? 2 × 8 = 16

### UNIT – I

2. What do you mean by java's magic ? What is relation between java and internet ? Explain the features of java with example. 16
3. Explain the following with example :  $4 \times 4 = 16$
- (a) Arrays
  - (b) String
  - (c) Object reference variable
  - (d) automatic garbage collection

### UNIT – II

4. (a) What is importance of Packages in java ? What are various methods of importing packages ? Explain. 10
- (b) Discuss the various levels of access protection available for packages. 6
5. Explain the following with example :  $5 + 6 + 5$
- (a) Interface
  - (b) Multiple inheritance
  - (c) Abstract Classes

### UNIT – III

6. Why Multithreading is special feature in java ? What is life cycle of a Thread ? Explain with suitable example. 16

7. What is use of applet ? How applet differ from main () method ? Explain the life cycle of applet using example. 16

### UNIT – IV

8. Explain the following with example :  $5 + 6 + 5$
- (a) Window fundamentals
  - (b) Layout managers and Menus
  - (c) Creating a frame window in an applet
9. How AWT classes bring interactivity in application ? What are various inbuilt method and classes ? Explain with suitable example. 16
-