

Roll No. ....

**67110**

**MCA 3rd Semester (CBCS Scheme)**

**w. e. f. Dec. 2017-18**

**Examination – December, 2018**

**OBJECT TECHNOLOGY**

**Paper : 17MCA33C5**

***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 final keyword ? 8 × 2 = 16  
(b) What do you mean by byte code ?  
(c) What do you mean by finally keyword ?  
(d) What is use of delete keyword ?  
(e) What are runtime exceptions ?  
(f) What is extends ?  
(g) What is a command line argument ?  
(h) What is static variable ?

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**UNIT - I**

2. (a) Why Java applications are internet compatible ?  
Explain with example. 5
- (b) Discuss on the advantages and disadvantages of  
Java Object Oriented language. 5
- (c) Write a Java program to sort a given set of strings  
in the alphabetical order where the strings are  
supplied through the command line. 6
3. (a) "Java is called Machine Independent language" -  
Justify this statement with proper example and  
explanation. 5
- (b) What are various control structures available in  
Java ? 5
- (c) Write a Java program to check whether a given  
number is palindrome or not ? 6

**UNIT - II**

4. (a) How to assign the values to the variables in the  
class at the time of creation of object to that class ?  
Explain with example. 6
- (b) How Packages differ from Interfaces ? Explain it  
with a suitable example program to Calculate  
student marks. 10
5. (a) What are the various types of exceptions available  
in Java ? Explain various methods used to handle  
exceptions ? 10
- (b) Discuss the various levels of access protection  
available for packages. 6

**UNIT - III**

6. (a) What is multithreading ? Write a program to  
implement multi thread programming. 12
- (b) Explain thread synchronization. 4
7. (a) What are the different stages in the life cycle of an  
Applet ? Explain with example. 10
- (b) Write an applet to display the mouse cursor  
position in that applet window. 6

**UNIT - IV**

8. (a) What is AWT ? Explain any four AWT controls  
injava with suitable examples. 9
- (b) What is Layout Manager ? Explain any three  
Layout Managers with example programs. 7
9. Explain the following with example : 5 + 6 + 5
- (a) Window fundamentals
- (b) Working with graphics
- (c) Exploring text and graphics
- (d) A WT classes

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