

- (b) Writing on file
- (c) Random access file
- (d) Stream benefits

Roll No.

67110

MCA 3rd Semester (CBCS Scheme)

UNIT - IV

- 8.** (a) Write a program to handle mouse events and mouse motion events. **8**
- (b) What is the significance of Layout managers ?
Discuss briefly various layout managers. **8**

w.e.f. Dec. 2017-18

Examination – November, 2017

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 :** There shall be 9 questions. Question Number 1 will be **compulsory** and in addition to the compulsory question, students have to attempt **four** more questions selecting **one** from each Unit. All questions shall carry equal marks.
- 1.** (a) What is the API in java ? **8 × 2 = 16**
- (b) What is overriding method ?

- (c) What is finalize () ?
- (d) What is abstract class ?
- (e) What do you mean synchronization in java ?
- (f) What is parseInt() method ?
- (g) What is Unicode in java ?
- (h) What is inner class ?

UNIT - II

- 4. (a) How to Creating Packages and Accessing a Package ? Explain with examples. 9
- (b) Write a Java program to find the area and perimeter of square and circle using interface. 7

- 5. (a) What are the different forms of inheritance ? Explain with example. 8
- (b) What is interface ? How to create it and access it ? Explain with example. 8

UNIT - I

- 2. (a) What do you mean by OOPs language ? List and explain the applications of OOPS. 6
- (b) How garbage collector plays its role ? Explain. 5
- (c) Give a brief note on operators in java. 5

- 3. (a) What is array ? How arrays are declared and initialized ? Explain with examples. 6
- (b) Write a java program to check the given string is a palindrome or not. 6
- (c) What automatic garbage collection ? Explain. 4

- 7. Explain with the example :
 - (a) I/O basics
- $4 \times 4 = 16$