

MCA 3rd Semester Current (CBCS Scheme)

w.e.f. Dec.2017-18 Examination,

November-2019

**OBJECT TECHNOLOGY**

**Paper-17MCA33C5**

*Time allowed : 3 hours]*

*[Maximum marks : 80*

*Note : There shall be nine questions. Question No. 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 final keyword ? 8×2=16  
(b) What do you mean by Process-based Multitasking?  
(c) What do you mean by iterative statement ?  
(d) What is Exception object ?  
(e) What are random access file ?  
(f) What is synchronization ?  
(g) What is Array ?  
(h) What is Static variable ?

**Unit-I**

2. How JAVA become popular language ? How byte-code play important role in JAVA ? Explain the characteristics of Java with example. 16

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3. (a) How String Buffer class differ from String class ? Explain with any five methods of String Buffer and String. 12
- (b) What is Automatic Garbage Collection ? Explain with example. 4

**Unit-II**

4. How Package important in Java ? What are types of package ? Explain with example by taking two user define package then import class from each package Java file. 16
5. (a) Why Multiple Inheritance replace with Interface in JAVA ? Explain with example. 10
- (b) How to make abstract class? Explain with example. 6

**Unit-III**

6. How Multithreading make JAVA as different language ? What is life cycle of a Thread ? Explain with any five inbuilt methods using suitable example. 16
7. Why applet is not pure Java component ? How applet differ from main() method ? Explain the life cycle of applet with any four inbuilt methods. 16

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**Unit-IV**

8. How AWT classes are heavy components ? Explain any inbuilt AWT classes and methods with example. 16
9. How works various components in graphics ? What are various control working with AWT ? Explain with example. 16