

9. Explain the following with example :

- (a) Layout Managers and Menus
- (b) AWT Control
- (c) Exploring Text and Graphics 6,6,4

Roll No. :

Total No. of Questions : 9] [Total No. of Pages : 4

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**M.C.A. (Regular) 3rd Semester Current
(CBCS Scheme) Examination, March-2021**

(w.e.f. Dec. 2017-18)

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 nine questions. Question No. 1 is compulsory. Attempt *four* more questions by selecting *one* question from each Unit. All questions carry equal marks.

1. (a) What is Thread Priority ?
- (b) What is Object Reference Variable ?

- (c) What is byte and character ?
- (d) What is Iterator ?
- (e) What is Console Output ?
- (f) What is Synchronization ?
- (g) What is Font Metrics ?
- (h) What is Class Variable ? 2×8=16

Unit-I

2. What do you mean by Java History ? How Java bring drastic changes in Internet ? Explain each feature of Java with example. 16
3. Explain the following with example :
 - (a) Arrays
 - (b) String buffer class
 - (c) Control statement
 - (d) Automatic garbage collection 4×4=16

Unit-II

4. What are problems with multiple inheritance that interface is used in Java ? Explain multiple inheritance and interface with example. 16

5. (a) What is role of Exception Handling ? Explain any *five* Java's common exceptions with example.
- (b) How used various access protection in Java ? Explain with example. 10,6

Unit-III

6. What is Multithreading ? What are commonly used Constructors of Thread Class ? Explain the life-cycle of Thread with suitable example. 16
7. (a) What is used of Applet ? Explain the life-cycle of applet using example.
- (b) What are importance of Input/Output in Java ? Explain with suitable example. 8,8

Unit-IV

8. (a) What are the basic Window fundamentals ? Explain with example.
- (b) How used AWT classes ? Explain any *three* inbuilt AWT classes.
- (c) How creating a frame Window in Applet ? Explain with example. 5,5,6