

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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P. T. O.

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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