Roll No. ....

67191

MCA 4th Semester CBCS Scheme

w. e. f. 2017-18

Examination – May, 2019

ADVANCED JAVA PROGRAMMING

Paper : 17MCA34C1

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 Class ?   2 × 8 = 16

    (b) What is CSS ?

    (c) What is JTree ?

    (d) What is MVC ?

    (e) What is TOMCAT Server ?

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(f) What is javax.servlet ?

(g) What is HTTP request ?

(h) What is DOM ?

UNIT – I

2. (a) What is applet life cycle ? Write an applet program to display the message "A simple applet".   6

    (b) What are different list tags available in HTML ? Explain each.   6

    (c) What is event handling ? Explain.   4

3. (a) What are various features of Java Script ? Explain.   6

    (b) How can you incorporate Java Script into an HTML page ? Write an example.   6

    (c) What is XML scheme ? Explain.   4

UNIT – II

4. (a) What is Swing in JAVA ? Explain hierarchy of swing classes with example.   10

    (b) Write a program in java to illustrate the use of two swing control.   6

5. Explain the following with example :   4 × 4 = 16

    (a) BDK Introspection

    (b) AWT controls

    (c) AWT hierarchy

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(d) Java Bean advantages

UNIT – III

6. (a) What is Served life cycle ? Explain various methods with example. 10

(b) Write a Servlet program which accepts two numbers using POST methods and display the maximum of them. 6

7. Explain the following with example : 4 × 4 = 16

(a) Security issues in JSP

(b) Reading Servlet parameters

(c) Reading initialization parameter

(d) JSP Processing

UNIT – IV

8. (a) What is RMI ? Give the architecture of RMI and discuss the functions of each layer. Also Explain RMI registry ?

(b) What are scripting elements ? Explain JSP objects. 6

(c) What is role of dynamic contents in JSP ? Explain with example. 4

9. (a) Explain JSP Object scope : 6

(i) Page

(ii) Request

(iii) Session

(b) What is struts framework ? Explain with example. 6

What is CGI programming ? Explain. 4

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