

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 x 8 = 16
(b) What is CSS ?
(c) What is JTree ?
(d) What is MVC ?
(e) What is TOMCAT Server ?

- (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 x 4 = 16
(a) JDK Introspection
(b) AWT controls
(c) AWT hierarchy

(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 ? <https://www.haryanapapers.com>
- (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

(c) What is CGI programming ? Explain. 4

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