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C14-CM-602

**4730**

**BOARD DIPLOMA EXAMINATION, (C-14)**

**JUNE—2019**

**DCME—SIXTH SEMESTER EXAMINATION**

**ADVANCED JAVA PROGRAMMING**

*Time : 3 hours ]*

*[ Total Marks : 80*

**PART—A**

3×10=30

**Instructions :** (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List any three AWT controls.

2. List the different sources of events.

3. List the differences between Adapter classes and Inner classes.

4. List the methods of Key Listener interface.

5. List the advantages of servlet.

6. List the interfaces in javax.servlet package.

7. List the different types of JDBC drivers.

8. List any three methods of java.sql. package for managing transactions in Java.

9. Write short note on JSP life cycle.

10. List the benefits of JSP.

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[ Contd....

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**PART—B**

5×10=50

**Instructions :** (1) Answer *any five* questions.  
(2) Each question carries **ten** marks.  
(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. List and explain the methods (along with the required arguments) to display different shapes using graphics class.
12. Explain in detail the delegation even handling mechanism.
13. Explain the purpose of inner class with the help of a Java program to implement Action Listener Interface.
14. Explain in detail the servlet life cycle methods. Write a simple servlet program to print 'Welcome to Servlets' message.
15. Write a Java Servlet to handle HTTP Get Request, along with the necessary html code.
16. Write a Java Application to get all records of a database table and display them on the screen.
17. List and explain different scripting elements of JSP with examples.
18. (a) Write a Java program that illustrates the use of item listener interface.  
(b) What is the purpose of request implicit object of JSP? Write a Java program, along with the required html file, that shows the use of request implicit object of JSP.

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