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B. Tech. 6th Semester (CSE) Examination – May, 2023

ADVANCED JAVA

Paper : PCC-CSE-306-G

Time : Three Hours]   [Maximum Marks : 75

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 at least *one* question from each Unit. Question No. **1** is *compulsory*. All questions carry equal marks.

1. (a) Define CRUD.

    (b) What is WAR File ?

    (c) Define Hibernate Lazy Collection.

    (d) Differentiate between Constructor and Setter Injection.

    (e) What are the advantages of JSP over Servlets ?

    (f) Describe Android R.java file. $6 \times 2.5 = 15$

UNIT – I

2. (a) Describe life cycle of Servlet. 7

   (b) Explain how request dispatcher works in servlets ? 8

3. Explain MVC in JSP. 15

UNIT – II

4. Explain in detail core components of Struts. 15

5. Write a program displaying steps to delete an email using Java Mail API. 15

UNIT – III

6. (a) Explain Hibernate HQL. 5

   (b) Explain Hibernate HCQL. 5

   (c) Explain Hibernate Logging with Log4j. 5

7. Elaborate Spring MVC Tiles with the help of program. 15

UNIT – IV

8. Explain Android Widgets in details. 15

9. Write short note on any *three* of these :   5 × 3 = 15

    (a) Creational Pattern

    (b) Behavioural Pattern

    (c) Structural Pattern

    (d) J2EE Pattern

    (e) Presentation Layer

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