

B.Sc.(IT) Semester - 5 (CBCS) Examination**Oct/Nov.- 2024 (Old Course)****CS-26 ADVANCED JAVA PROGRAMMING (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1(A) Answer the following questions. (04)
1. What is ODBC?
 2. What is JDBC?
 3. What is JDBC APIs?
 4. What is J2EE?
- Que. 1(B) Answer the following questions. (ANY ONE) (02)
1. What is Stub?
 2. Which is Skeleton?
- Que. 1(C) Answer the following questions. (ANY ONE) (03)
1. Explain Prepared Statement.
 2. Explain Result Set Meta Data.
- Que. 1(D) Answer the following questions. (ANY ONE) (05)
1. Explain RMI Architecture.
 2. Explain Database Drivers.
- Que. 2(A) Answer the following questions. (04)
1. What is Servlet?
 2. What is Standard CGI Variables?
 3. What is HTTP Status Codes?
 4. What is Cookie Attributes?
- Que. 2(B) Answer the following questions. (ANY ONE) (02)
1. What is Basic Servlet Structure?
 2. What is Packaging Servlets?
- Que. 2(C) Answer the following questions. (ANY ONE) (03)
1. Explain HTTP Response Headers.
 2. Explain Reading Form Data from Servlets.
- Que. 2(D) Answer the following questions. (ANY ONE) (05)
1. Explain Servlet Life Cycle.
 2. Explain Handling Cookies in Servlet Programming.
- Que. 3(A) Answer the following questions. (04)
1. Why filters are used in Servlets?
 2. Explain filters for preprocessing of Request.
 3. Explain filters for post processing of Request.
 4. What is HttpSessionAttributeListener?
- Que. 3(B) Answer the following questions. (ANY ONE) (02)
1. What is Listener in Servlets?
 2. What is ServletRequestListener?

- Que. 3(C) Answer the following questions. (ANY ONE) (03)
1. Explain ServletRequestListener and ServletContextAttributeListener.
 2. Explain HttpSessionListener with suitable example.
- Que. 3(D) Answer the following questions. (ANY ONE) (05)
1. Explain ServletContextListener.
 2. What is Servlet Filter? How does it work?
- Que. 4(A) Answer the following questions. (04)
1. List-out JSP scripting elements.
 2. JSP stands for _____.
 3. What is scope in JSP?
 4. What is Action Elements?
- Que. 4(B) Answer the following questions. (ANY ONE) (02)
1. What is Java Bean?
 2. What is Forward Action?
- Que. 4(C) Answer the following questions. (ANY ONE) (03)
1. Explain sharing Beans in JSP.
 2. Explain JSP Directives.
- Que. 4(D) Answer the following questions. (ANY ONE) (05)
1. Explain page directive in JSP with example.
 2. Explain life cycle of JSP.
- Que. 5 (A) Answer the following questions. (04)
1. Give Full form of MVC.
 2. Give Full form of JSPL
 3. In MVC, when user performs_____ controller is notified.
 4. In MVC, Model may notify_____ if it has been modified.
- Que. 5 (B) Answer the following questions. (ANY ONE) (02)
1. Explain c:import and c:url.
 2. Explain c:out and c:forEach.
- Que. 5 (C) Answer the following questions. (ANY ONE) (03)
1. Explain JSP Expression Language.
 2. Explain use of EL Operators.
- Que. 5 (D) Answer the following questions. (ANY ONE) (05)
1. Explain MVC Architecture.
 2. Explain advantages of MVC.
