

B.Sc.(IT) Semester - 5 (Remedial) (CBCS) Examination**March/April-2023(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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- Q.1(A) Attempt Following. (04)
1. RMI stands for.
 2. Which sign used for prepared statement?
 3. What is metadata?
 4. ODBC stands for.
- Q.1(B) Attempt any One. (02)
1. Explain Database metadata.
 2. List types of driver for jdbc?
- Q.1(C) Attempt any One. (03)
1. Explain two tier architecture.
 2. Explain ResultSet interface.
- Q.1(D) Attempt Any One. (05)
1. Explain Callable statement with example.
 2. Write a program to demonstrate add new record and display all record using jdbc with mysql database.
- Q.2(A) Attempt Following. (04)
1. What is servlet?
 2. HTTP stands for
 3. What is Cookie?
 4. List different method for session tracking API.
- Q.2(B) Attempt any One. (02)
1. Explain Servlet architecture.
 2. Explain HttpServletResponse Interface.
- Q.2(C) Attempt any One. (03)
1. Explain HttpServletRequest interface..
 2. Explain Cookie with example.
- Q.2(D) Attempt Any One. (05)
1. Explain Servlet Lifecycle with example.
 2. Explain URL Rewriting session tracking API with example.
- Q.3(A) Attempt Following. (04)
1. What is Listener?
 2. What Filter?
 3. List ServletContextAttributeListener method.
 4. List out Benefit of Filter
- Q.3(B) Attempt any One. (02)
1. Explain ServletContext Listener
 2. Explain HttpSession Listener.
- Q.3(C) Attempt any One. (03)
1. Explain Filter in Servlets with example?
 2. Explain filters for preprocessing of request.

- Q.3(D) Attempt Any One. (05)
1. Explain HttpSessionlistener with suitable example.
 2. Explain ServletContextAttributeListener with suitable example.
- Q.4(A) Attempt Following. (04)
1. JSP stands for.
 2. Which sign used to declare script element in jsp?
 3. List different directive elements?
 4. How to declare comment in jsp.
- Q.4(B) Attempt any One. (02)
1. Explain jsp expression.
 2. Explain Directive elements.
- Q.4(C) Attempt any One. (03)
1. Explain action elements.
 2. Write a program to handle arithmetic exception.
- Q.4(D) Attempt Any One. (05)
1. Explain implicit object in jsp.
 2. Write a difference between servlet vsjsp
- Q.5(A) Attempt Following. (04)
1. Full Form of MVC.
 2. List any three Tag library tags.
 3. JSTL stands for
 4. List available operator in EL.
- Q.5(B) Attempt Any One. (02)
1. Explain bean property.
 2. Explain MVC architecture.
- Q.5(C) Attempt Any One. (03)
1. Explain MVC with Request Dispatue.
 2. Explain c:out and C:forEach tags.
- Q.5(D) Attempt Any One. (05)
1. Explain c:.if,c:url,c:import tags.
 2. Explain Collection and implicit object Using EL.
