

B.Sc.(IT) Semester - 5 (CBCS) Examination**December - 2020 (Old Course)****CS-26 ADVANCED JAVA PROGRAMMING(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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| Q.1(A) | Answer following Questions | (04) |
| | <ol style="list-style-type: none">1. List JDBC Database Driver.2. EJB stand for.....3. Which sign used to prepared statement?4. RMI stand for..... | |
| Q.1(B) | Answer Any One | (02) |
| | <ol style="list-style-type: none">1. Explain RMI architecture.2. Explain JDBC driver types. | |
| Q.1(C) | Answer Any One | (03) |
| | <ol style="list-style-type: none">1. Explain ResultSet interface2. Write a Step to JDBC for Database Connectivity. | |
| Q.1(D) | Answer Any One | (05) |
| | <ol style="list-style-type: none">1. Explain Prepare Statement with example2. Explain Database MetaData | |
| Q.2(A) | Answer following Questions | (04) |
| | <ol style="list-style-type: none">1. Which method is used to initialize a servlet?2. HTTP stands for.....3. What is cookie?4. Which method called more than one time an Servlet Life cycle? | |
| Q.2(B) | Answer Any One | (02) |
| | <ol style="list-style-type: none">1. Explain Servlet structure.2. Write a Code. How to Add Cookie in Client side. | |
| Q.2(C) | Answer Any One | (03) |
| | <ol style="list-style-type: none">1. Explain HttpServletResponse Class.2. Explain initialize parameter. | |
| Q.2(D) | Answer Any One | (05) |
| | <ol style="list-style-type: none">1. Explain Servlet Life-Cycle with Example.2. Explain Session Tracking API | |
| Q.3(A) | Answer following Questions | (04) |
| | <ol style="list-style-type: none">1. What Filter?2. What is Listener?3. List ServletContextAttributeListener method.4. List out Benefit of Filter. | |
| Q.3(B) | Answer Any One | (02) |
| | <ol style="list-style-type: none">1. Explain ServletRequestListener.2. Explain ServletContextlistener. | |
| Q.3(C) | Answer Any One | (03) |
| | <ol style="list-style-type: none">1. Explain Filter in Servlets with example?2. Explain filters for pre processing of request | |
| Q.3(D) | Answer Any One | (05) |
| | <ol style="list-style-type: none">1. Explain HttpSessionlistener with suitable example.2. Explain ServletContextAttributeListener with suitable example. | |
| Q.4(A) | Answer following Questions | (04) |
| | <ol style="list-style-type: none">1. JSP stand for2. List JSP Scripting element.3. What is use of page Directive? | |

4. List out JSP Action Elements.

- Q.4(B) Answer Any One (02)
1. Explain JSP Architecture.
 2. Explain Comment in JSP.
- Q.4(C) Answer Any One (03)
1. Explain JSP scripting element.
 2. Difference between servlet and JSP.
- Q.4(D) Answer Any One (05)
1. Explain implicit objects in JSP.
 2. Explain scope of JSP object.
- Q.5(A) Answer following Questions (04)
1. MVC stands for.....
 2. In MVC, what is the role of Controller?
 3. List Operator in EL
 4. JSTL stand for.....
- Q.5(B) Answer Any One (02)
1. Explain advantages of MVC.
 2. Explain c:out and c:forEach Tags.
- Q.5 (C) Answer Any One (03)
1. Explain Scoped of variables.
 2. Explain c:redirect and c:catch Tags.
- Q.5(D) Answer Any One (05)
1. Explain Implicit Objects Using EL.
 2. Explain MVC Architecture for Web Applicatons.
