

B.Sc.(IT) Semester – 5 (Remedial) (CBCS) Examination**February/March. -2020****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) | Answer the following questions. | (04) |
| | (1) Full form of RMI. | |
| | (2) Full form of JDBC. | |
| | (3) What is connection? | |
| | (4) List-out various JDBC driver types. | |
| Q.1(B) | Answer the following questions (any one) | (02) |
| | (1) Explain basic JDBC steps for database connectivity. | |
| | (2) Explain stub and skeleton. | |
| Q.1(C) | Answer the following questions (any one) | (03) |
| | (1) Explain result set meta data. | |
| | (2) Explain prepared statement. | |
| Q.1(D) | Answer the following questions (any one) | (05) |
| | (1) Explain database meta data. | |
| | (2) Explain callable statement. | |
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| Q.2(A) | Answer the following questions. | (04) |
| | (1) List-out servlet life cycle methods. | |
| | (2) Full form of HTTP. | |
| | (3) Who does control life cycles of a servlet? | |
| | (4) Which method is used to retrieve request parameters? | |
| Q.2(B) | Answer the following questions (any one) | (02) |
| | (1) Explain getcookies(). | |
| | (2) Explain basic servlet structure. | |
| Q.2(C) | Answer the following questions (any one) | (03) |
| | (1) Explain servlet life cycle. | |
| | (2) Explain HTTP response headers. | |
| Q.2(D) | Answer the following questions (any one) | (05) |
| | (1) Explain cookie with servlet API. | |
| | (2) Differentiate: session cookies vs. persistent cookies. | |
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| Q.3(A) | Answer the following questions. | (04) |
| | (1) Why filters are used in servlets? | |
| | (2) Explain filters for pre processing of request. | |
| | (3) Explain filters for post processing of request. | |
| | (4) What is HttpSessionAttributeListener? | |
| Q.3(B) | Answer the following questions (any one) | (02) |
| | (1) What is listener in servlets? | |
| | (2) What is servletRequestListener? | |
| Q.3(C) | Answer the following questions (any one) | (03) |
| | (1) Explain ServletRequestAttributeListner. | |
| | (2) Explain ServletContextListener. | |

- Q.3(D) Answer the following questions (any one) (05)
(1) What is filters? How does it work?
(2) Explain HttpSessionListener with suitable example.
- Q.4(A) Answer the following questions. (04)
(1) List-out JSP scopes.
(2) What is template Text?
(3) List-out JSP scripting elements.
(4) JSP stands for _____
- Q.4(B) Answer the following questions (any one) (02)
(1) Explain JSPExpression.
(2) What is custom tag?
- Q.4(C) Answer the following questions (any one) (03)
(1) Explain scope.
(2) Explain JSP directives.
- Q.4(D) Answer the following questions (any one) (05)
(1) Explain XML syntax for expressions with example.
(2) Explain sharing beans in JSP.
- Q.5(A) Answer the following questions. (04)
(1) What is c:remove?
(2) What is c:url?
(3) Give full form of MVC.
(4) Give full form of JSTL.
- Q.5(B) Answer the following questions (any one) (02)
(1) Explain c:out and c:forTokens.
(2) Explain c:if and c:choose
- Q.5 (C) Answer the following questions (any one) (03)
(1) Explain MVC architecture.
(2) Explain advantages of MVC.
- Q.5(D) Answer the following questions (any one) (05)
(1) Explain JSP expression language.
(2) Explain sharing between Servlets and JSP.
