

B.Sc.(IT) Semester - 5 (CBCS) Examination**Oct/Nov. - 2021(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) **Answer the following questions.** (04)
- (1) Full form of RMI.
 - (2) Full form of JDBC.
 - (3) Full form of API
 - (4) Explain Connection.
- Q.1(B) **Answer the following question. (Any one)** (02)
- (1) Explain Prepared Statement.
 - (1) Write down the needs of JDBC.
- Q.1(C) **Answer the following question. (Any one)** (03)
- (1) Explain Result Set in brief.
 - (2) Explain RMI Architecture in brief.
- Q.1(D) **Answer the following question. (Any one)** (05)
- (1) Write down the connectivity program which performs insert & display operation using JDBC.
 - (3) Explain Database Drivers in brief.
- Q.2(A) **Answer the following questions.** (04)
- (1) Define Servlet.
 - (2) What is session?
 - (3) What is Cookies?
 - (4) Explain Http Request.
- Q.2(B) **Answer the following question. (Any one)** (02)
- (1) List out the attribute of cookies.
 - (2) What do you mean by session tracking?
- Q.2(C) **Answers the following question. (Any one)** (03)
- (1) Differentiating Session Cookies V/s Persistent Cookies.
 - (2) Explain Http Servlet Request & Http Servlet Response.
- Q.2(D) **Answer the following question. (Any one)** (05)
- (1) Explain the life cycle for the Servlet in brief.
 - (2) Write a code to manage the cookie which performs the operation like remembering username & password & deleting the cookie.
- Q.3(A) **Answer the following questions.** (04)
- (1) Define init () method of Servlet filter.
 - (2) Define filter.
 - (3) Which package used for filter interface?
 - (4) What is Http Session?
- Q.3(B) **Answer the following question. (Any one)** (02)
- (1) Explain Servlet Request Listener interface method.
 - (2) Explain Post-processing: servlet request
- Q.3(C) **Answers the following question. (Any one)** (03)
- (1) Explain the Servlet Context Listener Interface method.
 - (2) Explain Pre-processing: servlet request
- Q.3(D) **Answer the following question. (Any one)** (05)
- (1) Explain the Http Session Listener Interface method with suitable example.
 - (2) Explain Servlet Context, Servlet Request, Http Session and Attribute Listener with suitable example.

- Q.4(A) **Answer the following questions.** (04)
- (1) Full form of JSP.
 - (2) Full form of EL.
 - (3) Full form of XML
 - (4) How to comment the code in JSP.
- Q.4(B) **Answer the following question. (Any one)** (02)
- (1) Explain the JSP Declaration tag.
 - (2) Explain the JSP Scriptlet let tag.
- Q.4(C) **Answers the following question. (Any one)** (03)
- (1) Explain JSP Directives tags with example.
 - (2) Explain JSP Include tag with Example program
- Q.4(D) **Answer the following question. (Any one)** (05)
- (1) List out all the JSP Standard Action Element in JSP & explain them.
 - (2) Explain the JSP life Cycle in brief.
- Q.5(A) **Answer the following questions.** (04)
- (1) Full form of MVC.
 - (2) Full form of JSTL.
 - (3) What do you mean by Model in MVC?
 - (4) Define JSP.
- Q.5(B) **Answer the following question. (Any one)** (02)
- (1) Explain c: redirect & c: import work of tag library.
 - (2) List out & explain JSP scope Variables in brief.
- Q.5(C) **Answers the following question. (Any one)** (03)
- (1) Explain Taglib Tag in brief.
 - (2) List out the implicit objects of the Expression Language.
- Q.5(D) **Answer the following question. (Any one)** (05)
- (1) Difference between Servlet V/s JSP.
 - (2) Explain MVC architecture in brief.
