



**DA-003-004502**

Seat No. \_\_\_\_\_

**B. Sc. I.T. (Sem. V) (CBCS) Examination**

**March - 2022**

**CS-26 : Advanced JAVA Programming**

**(Old Course)**

**Faculty Code : 003**

**Subject Code : 004502**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Section - I**

- 1 Fill in the blanks : **20**
- (1) MVC stands for \_\_\_\_\_.
  - (2) JSTL stands for \_\_\_\_\_.
  - (3) EIS stands for \_\_\_\_\_.
  - (4) JMS stands for \_\_\_\_\_.
  - (5) What is use of <c:param> tag?
  - (6) JDBC Type-1 driver is also known as \_\_\_\_\_ driver.
  - (7) RMI stands for \_\_\_\_\_.
  - (8) Define Servlet collaboration.
  - (9) What is use of ResultSet metaData?
  - (10) JTA stands for \_\_\_\_\_.
  - (11) Which one is stateless protocol ?
  - (12) What is use of <c:forTokens> tag?
  - (13) Which method is used to get session id?
  - (14) MIME stands for\_\_\_\_\_.
  - (15) What is ServletContext object?
  - (16) What is Session Timeouts?
  - (17) Which package contains JDBC classes?
  - (18) The doGet() method in the example extracts values of the parameter's type and number by using \_\_\_\_\_.
  - (19) JDBC stands for \_\_\_\_\_.
  - (20) Write use of <c:redirect> tag.

## Section - II

- 2 (A) Answer the following (Any **three**) 6
- (1) Explain Stub and Skeleton.
  - (2) Explain <j:forward> tag of JSP.
  - (3) Describe Scriptlet.
  - (4) Explain comments of JSP page.
  - (5) Explain doPost() method.
  - (6) Define HttpSessionAttributeListener.
- (B) Answer the following (Any **three**) 9
- (1) Explain different Database Drivers.
  - (2) Explain JSP life cycle.
  - (3) Explain URL Rewriting with suitable example.
  - (4) Explain Servlet Exception in detail.
  - (5) Explain different methods of HttpServletResponse.
  - (6) Explain any one implicit object of JSP with suitable example.
- (C) Answer the following (Any **two**) 10
- (1) Explain J2EE Architecture.
  - (2) Write a note on Servlet Life Cycle.
  - (3) Explain Filter and Listener in Servlet.
  - (4) Write a note on Servlet Exception.
  - (5) Explain MVC Architecture for Web Application.
- 3 (A) Answer the following (Any **three**) 6
- (1) Explain invalidate() method of session.
  - (2) Define steps for JDBC database connectivity.
  - (3) Explain config object.
  - (4) Explain getQueryString() method.
  - (5) Differentiate: Statement and Prepared Statement.
  - (6) Explain implicit objects in JSP - Expression Language.

- (B) Answer the following (Any **three**) **9**
- (1) Explain ResultSet MetaData.
  - (2) Explain Request Dispatcher class.
  - (3) Explain Scope of JSP variable.
  - (4) Explain Cookie class.
  - (5) Explain <c: forEach> tag with example.
  - (6) Explain page directive in JSP.
- (C) Answer the following (Any **two**) **10**
- (1) Write a note on RMI Architecture.
  - (2) Give difference between Servlet and JSP.
  - (3) Explain Data Sharing between Servlets and JSP with suitable example.
  - (4) Explain Basic Operators in JSP Expression Language.
  - (5) Write a note on HttpSession.
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