



HA-003-004502

Seat No. _____

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

May / June - 2017

CS - 26 : Advanced Java Programming

Faculty Code : 003

Subject Code : 004502

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

[Total Marks : 70

SECTION - I

1 Answer the following, questions in One Word or One Sentence : **20**

- (1) _____ set the code for HTTP Response.
- (2) `getParameterNames()` will return _____
- (3) What is JDBC?
- (4) Give full form of JMS.
- (5) Which method move cursor of Result Set to specified row number?
- (6) How to invalidate HttpSession?
- (7) JDBC drivers are divided into _____ categories.
- (8) EIS stands for _____
- (9) JTA stands for _____
- (10) Which one is stateless protocol?
- (11) How many objects of a servlet are created?
- (12) Who is responsible to create, the object of servlet?
- (13) Which class is used for Servlet Collaboration?
- (14) What is Cookie?
- (15) Which method is called when jsp page is initialized?
- (16) What are the two ways to include another page in JSP?
- (17) What is JSTL?
- (18) RMI stands for _____
- (19) `PreparedStatement()` will return _____
- (20) How can we execute stored procedures and functions?

SECTION - II

- 2** (a) Answer, the, following : (any **three**) **6**
- (1) Explain: doPost()
 - (2) Explain: getHeaders()
 - (3) Explain: getAttributeNames()
 - (4) Explain: getQueryString()
 - (5) Explain: getWriter()
 - (6) Explain: setMaxInactive Interval()
- (b) Answer the following : (any **three**) **9**
- (1) Explain the Database Meta Data.
 - (2) Explain the Servlet Life Cycle.
 - (3) Explain Servlet Context interface.
 - (4) Briefly explain about Servlet Exceptions.
 - (5) Explain URL rewriting with example.
 - (6) Explain Statement interface.
- (c) Answer the following : (any **two**) **10**
- (1) Explain RMI architecture.
 - (2) Explain Enterprise Architecture of J2EE.
 - (3) Explain different Database Drivers.
 - (4) Write a JSP example receiving input from HTML forms and display them into the JSP page. (First Name, Last Name, Username, Password, address, City)
 - (5) Write a java program that connect with the MySQL database and insert record in the table named Employee. The structure of table is shown below :
- | | |
|---------------|-------------------------------|
| employee_id | (Auto Increment, Primary Key) |
| employee_name | (varchar) |
| designation | (varchar) |
| city | (varchar) |

- 3** (a) Answer the following : (any **three**) **6**
- (1) Explain comments in JSP page.
 - (2) Explain doGet() method.
 - (3) Explain addCookie() method.
 - (4) Explain invalidate() method.
 - (5) Explain config object.
 - (6) Explain doOption() method.
- (b) Answer the following : (any **three**) **9**
- (1) Explain RequestDispatcher class.
 - (2) Explain JSP life cycle.
 - (3) Explain <jsp:forward> action with example.
 - (4) Explain Scripting Elements with example.
 - (5) Explain any three implicit objects of JSP.
 - (6) Explain scope of JSP variable.
- (c) Answer the following : (any **two**) **10**
- (1) Explain ResultSet interface in detail.
 - (2) Explain different methods of Http Servlet Response.
 - (3) Explain different attribute of page directive.
 - (4) Explain Http, Session with example.
 - (5) Write a program to create error page in JSP using page directive.
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