



DBK-003-2045002

Seat No. _____

B. Sc. (I.T.) (Sem. V) (CBCS) (W.E.F. 2019) Examination

June - 2022

Advanced Java Programming : CS-26

Faculty Code : 003

Subject Code : 2045002

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

[Total Marks : 70

Instruction : Write any five from below given questions.

- 1 (a) Answer the following : 4
- (1) Give the full form of RMI.
 - (2) Give the full form of RRL.
 - (3) Give the full form of RMIC.
 - (4) How many types of database drivers are there ?
- (b) Explain Database Meta Data. 2
- (c) What is RMI ? 3
- (d) Explain types of JDBC drivers. 5
- 2 (a) Answer the following : 4
- (1) Client side proxy also known as _____.
 - (2) _____ is server side proxy that communicates with the stub.
 - (3) _____ interface represent precompiled SQL statement.
 - (4) _____ interface is used for execute the stored procedure.
- (b) Explain Connection interface. 2
- (c) Explain Statement Interface. 3
- (d) Explain Resultset. 5

- 3 (a) Answer the following : 4
- (1) Give the full form of CGI.
 - (2) Which file is known as deployment descriptor file ?
 - (3) Give the full form of API.
 - (4) Give the list of servlet life cycle steps.
- (b) Explain response header. 2
- (c) Explain Session. 3
- (d) Explain session tracking. 5
- 4 (a) Answer the following : 4
- (1) Give the full form of HTTP.
 - (2) Single Thread Model is implemented by _____
 - (3) In CGI single instance creates multiple _____ in order to process multiple request and response.
 - (4) _____ method returns the exception and caused this servlet exception.
- (b) What is Session Timeouts ? 2
- (c) Explain need for session tracking. 3
- (d) Explain HTTP status codes. 5
- 5 (a) Answer the following : 4
- (1) The servlet specification includes the capability to track key events in your web applications _____.
 - (2) _____ method contains the code that implements the filter.
 - (3) The object of FilterChain is responsible to invoke the next filter or resource in the chain. True or False.
 - (4) For creating any filter, you must implement the filter interface. True or False.
- (b) What is SSL sessions ? 2
- (c) What is Listener ? 3
- (d) What is servlet filter ? 5

- 6 (a) Answer the following : 4
- (1) Filter can use for data compression. True or False
 - (2) init() invoked only once. True or False.
 - (3) _____ is used for monitoring request and response from client to the servlet, or to modify the request and response, or to audit and log.
 - (4) _____ is used to receive notification that an attribute has been added to a session.
- (b) What is Filter ? 2
- (c) Give the list of Event Interface (any four). 3
- (d) Explain HttpSessionAttribute Listener. 5
- 7 (a) Answer the following : 4
- (1) The tag <%= is used for _____.
 - (2) How many scopes re there for jsp objects ?
 - (3) <% -- is used for _____
 - (4) Give the full form of XML.
- (b) Explain Expression tag with example. 2
- (c) Explain Sharing Beans in JSP. 3
- (d) Explain JSP Directive elements. 5
- 8 (a) Answer the following : 4
- (1) JSP code include only jsp tags. True or False.
 - (2) jspDestroy method invokes only once during the life cycle of JSP. True or False.
 - (3) Give full form of JSP.
 - (4) <%@ used for _____ element.
- (b) Explain request implicit object of JSP. 2
- (c) Explain scripting elements. 3
- (d) Explain Action elements in detail. 5

- 9** (a) Answer the following : **4**
- (1) Give the full form of JSTL.
 - (2) <c:out> is used for _____.
 - (3) Give the full form of EL.
 - (4) Give the full form of MVC.
- (b) Explain bean properties. **2**
- (c) Explain EL operators. **3**
- (d) Explain Request Dispatcher. **5**
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- 10** (a) Answer the following : **4**
- (1) empty word is reserve word in EL. True or False.
 - (2) If we change the code in controller, there is no need to recompile the class and redeploy the application. True or False.
 - (3) _____ is popular as it separates the application logic from the user interface layers.
 - (4) Which implicit object of EL maps the given cookie name to the cookie value ?
- (b) What is implicit object of JSTL ? **2**
- (c) What is the use of c:set and c:url ? **3**
- (d) Explain c:out, c:forEach, c:param, c:remove, c:redirect. **5**
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