

**647510**

**BITjavCC5260**

**Seat No: \_\_\_\_\_**

**B.Sc.(IT) Semester - 5 (CBCS) Examination**

**Oct/Nov. - 2018**

**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) JDBC stands for\_\_\_\_\_.
  - (2) What is J2EE?
  - (3) What is RMI?
  - (4) List-out various JDBC driver types.
- Q-1(B) Answer the following question.(Any one) (02)
- (1) Explain basic JDBC steps for Database Connectivity.
  - (2) Explain Stub and Skeleton.
- Q-1(C) Answer the following question.(Any one) (03)
- (1) Explain Database MetaData interface.
  - (2) Explain Statement interface.
- Q-1(D) Answer the following question.(Any one) (05)
- (1) Explain RMI architecture.
  - (2) Explain Connection interface.
- Q-2(A) Answer the following question. (04)
- (1) List-out Servlet life cycle methods.
  - (2) Client request come through\_\_\_\_\_method.
  - (3) Who does control life cycle of a servlet?
  - (4) What is proper sequence of servlet life cycle?
- Q-2(B) Answer the following question.(Any one) (02)
- (1) Explain get Cookies().
  - (2) What is the role of Servlet's Web.xml file?
- Q-2(C) Answer the following question.(Any one) (03)
- (1) Explain Servlet Life cycle.
  - (2) Explain getSession() and add Cookie().
- Q-2(D) Answer the following question.(Any one) (05)
- (1) Explain Cookie with servlet API.
  - (2) Explain Session with servlet API.
- Q-3(A) Answer the following question. (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 HttpSession AttributeListener?

- Q-3(B) Answer the following question.(Any one) (02)  
(1) What is Listener in Servlets?  
(2) What is Filter in Servlets?
- Q-3(C) Answer the following question.(Any one) (03)  
(1) What is servlet filter? How does it works?  
(2) Explain ServletContextListener.
- Q-3(D) Answer the following question.(Any one) (05)  
(1) Explain ServletRequestListner and ServletContexAttributelListner.  
(2) Explain HttpSessionListener with suitable example.
- Q-4(A) Answer the following question. (04)  
(1) List-out JSP scopes.  
(2) %@... %this JSP notation used for \_\_\_\_\_.  
(3) List-out JSP scripting elements.  
(4) JSP stands for\_\_\_\_\_.
- Q-4(B) Answer the following question.(Any one) (02)  
(1) Explain JSP Comment.  
(2) How to use Predefined variables in JSP?
- Q-4(C) Answer the following question.(Any one) (03)  
(1) Explain JSP action.  
(2) Explain JSP Directives.
- Q-4(D) Answer the following question.(Any one) (05)  
(1) Explain page directive in JSP with example.  
(2) Explain sharing beans in JSP.
- Q-5(A) Answer the following question. (04)  
(1) In MVC, When user performs\_\_\_\_\_controller is notified.  
(2) In,MVC, Model may notify\_\_\_\_\_if it has been modified.  
(3) Give full form of MVC.  
(4) Give full form of JSPL
- Q-5(B) Answer the following question.(Any one) (02)  
(1) Explain c:out and c:forEach.  
(2) Explain c:import and c:url.
- Q-5(C) Answer the following question.(Any one) (03)  
(1) Explain MVC architecture.  
(2) Explain advantages of MVC.
- Q-5(D) Answer the following question.(Any one) (05)  
(1) Explain JSP Expression Language.  
(2) Explain use of EL operators.

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