

# C.U.SHAH UNIVERSITY

## Summer Examination-2016

**Subject Name: Programming With Java - II**

**Subject Code: 4CS04IJV2**

**Branch: B.Sc.IT.**

**Semester: 4**

**Date: 05/05/2016**

**Time: 2:30 To 5:30**

**Marks: 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
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**Q-1. Attempt the following MCQ questions:**

**(14)**

1. Which packages contain the JDBC classes and interfaces?
  - (a) java.lang
  - (b) java.rmi
  - (c) java.sql
  - (d) java.io
2. Which is mostly used with middle-ware components?
  - (a) type 1 driver (JDBC-ODBC bridge)
  - (b) type 2 driver (native API)
  - (c) type 3 driver (net protocol)
  - (d) type 4 driver (native protocol)
3. Which is not the method of connection interface?
  - (a) close()
  - (b) getMetaData()
  - (c) getConnection()
  - (d) commit()
4. Which method is used to send precompiled query to the database?
  - (a) createStatement()
  - (b) prepareStatement()
  - (c) prepareCall()
  - (d) execute()
5. Which method is used to select the records from the table?
  - (a) executeUpdate()
  - (b) execute()
  - (c) executeQuery()
  - (d) all of above
6. Which is not a part of servlet API?
  - (a) javax.servlet
  - (b) javax.servlet.http



- (c) javax.servlet (d) none
7. What is the proper sequence of servlet life cycle?  
(a) init(), service(), destroy() (b) service(), init(), destroy()  
(c) service(), destroy(), init() (d) init(), destroy(), service()
8. doGet() and doPost() method are called via...  
(a) service() (b) init()  
(c) destroy() (d) none
9. getQueryString() is a method of \_\_\_\_\_ class.  
(a) ServletRequest interface (b) ServletResponse interface  
(c) HttpServletRequest interface (d) HttpServletResponse interface
10. sendRedirect method belongs to \_\_\_\_\_ class.  
(a) ServletResponse interface (b) HttpServletResponse interface  
(c) ServletRequest interface (d) HttpServletRequest interface
11. Which method is used to set time for Cookie?  
(a) setTimeout() (b) setMaxAge()  
(c) setMaxTime() (d) none
12. Which is not action element?  
(a) <jsp:action> (b) <jsp:param>  
(c) <jsp:forward> (d) <jsp:plugin>
13. Which is not scripting element in jsp?  
(a) scriptlets (b) declaration  
(c) expression (d) directives
14. getSession( ) returns \_\_\_\_\_ value.  
(a) String (b) Boolean  
(c) HttpSession (d) String

**Attempt any four questions from Q-2 to Q-8**

**Q-2. Attempt all questions.**

**(14)**

- 1) Explain BorderLayout with example. (7)  
2) Describes enterprise architecture style in detail. (7)



- Q-3. Attempt all questions. (14)**
- 1) Explain Stub and Skeleton in detail. (5)
  - 2) Describe J2EE API. (5)
  - 3) Explain difference between Swing and AWT. (4)
- Q-4. Attempt all questions. (14)**
- 1) Write a JDBC program to insert a record in the student table(fields are sno, sname, gender, city, mobileno). (7)
  - 2) Explain type 2 and type3 JDBC Driver in details. (7)
- Q-5. Attempt all questions. (14)**
- 1) Explain servlet life cycle. (8)
  - 2) Explain HttpServletRequest interface and describe any 3 methods. (5)
  - 3) Explain servlet collaboration in details. (4)
- Q-6. Attempt all questions. (14)**
- 1) List out session tracking approaches and explain any 2 in detail. (7)
  - 2) Write a Servlet program to update record in student table(fields are sno, sname, gender, city, mobileno). Update all records where sno is 1001. (7)
- Q-7. Attempt all questions. (14)**
- 1) Explain JSP page directive elements in detail. (7)
  - 2) Write a JSP program to delete record from the student table where sname is "James" and city is "Surendranagar" using html and JSP. (7)
- Q-8. Attempt all questions. (14)**
- 1) Explain JSP action elements in detail. (7)
  - 2) Write a JSP program to display student table data in tabular format (fields are sno, sname, gender, city, mobileno). (7)

