

(6 pages)

Reg. No. :

Code No. : 8784

Sub. Code : KCSM 13

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2016.

First Semester

Computer Science

ADVANCED JAVA PROGRAMMING

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Which of this class is super class of every class in Java?
- (a) String class (b) Object class
- (c) Abstract class (d) ArrayList class

2. Which of this keyword must be used to inherit a class?
- (a) super (b) this
- (c) extent (d) extends
3. Which component does the Entity bean represent the persistent data stored in the database?
- (a) Server-side component
- (b) Client-side component
- (c) Server and client side component
- (d) None of the above
4. How many types of session beans are available in EJB?
- (a) 2 (b) 3
- (c) 4 (d) 5
5. A view is which of the following?
- (a) A virtual table that can be accessed via SQL commands
- (b) A virtual table that cannot be accessed via SQL commands
- (c) A base table that can be accessed via SQL commands
- (d) A base table that cannot be accessed via SQL commands

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6. Which of the following is valid SQL for an Index?
- CREATE INDEX ID
 - CREATE INDEX ID;
 - ADD INDEX ID
 - REMOVE INDEX ID;
7. In HTTP Request Which Asks for the loop back of the request message, for testing or troubleshooting?
- PUT
 - OPTIONS
 - DELETE
 - TRACE
8. In the HTTP Request method which is non-idempotent?
- GET
 - POST
 - BOTH (a) and (b)
 - None of the above
9. Which of the following is true for CORBA?
- Protocol for distributed computing
 - Specification for distributed objects
 - Components can be language neutral
 - None
10. JSP embeds in _____ in _____.
- Servlet, HTML
 - HTML, Java
 - HTML, Servlet
 - Java, HTML

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write note on constructor.

Or

- (b) Explain interface with example.

12. (a) What are distributive systems? Explain.

Or

- (b) Mention the Enterprise application strategy.

13. (a) Explain the concept of joining tables.

Or

- (b) What are tables? Write down its syntax.

14. (a) Write a simple Java servlet.

Or

- (b) Write note on working with cookies.

15. (a) Explain about session java bean.

Or

- (b) Write about the IDL interface.

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PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write note on inner and anonymous inner classes.

Or

- (b) Explain about Exception handling.

17. (a) Illustrate J2EE multi tier architecture.

Or

- (b) Describe the enterprise application-client session management.

18. (a) Explain about JDBC drivers and JDBC packages.

Or

- (b) Write in detail about calculating data and VIEW in SQL.

19. (a) Explain about anatomy of java servlet.

Or

- (b) Write about JSP and JSP tags.

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20. (a) Write in detail about Message Driven bean.

Or

- (b) Explain Java IDL and CORBA.
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