(6 pages) **Reg. No. :** .....

Code No. : 9089 **Sub. Code : PCSM 12**

M.Sc. (CBCS) DEGREE EXAMINATION, NOVEMBER 2017.

First Semester

Computer Science

ADVANCED JAVA PROGRAMMING

(For those who joined in July 2017 onwards)

Time : Three hours Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. When a method in a subclass and the corresponding method in the super class have the same signature _____ takes place.
   (a) Interfaces (b) Packages
   (c) Over riding (d) All of the above

2. Which of these packages contain abstract keywords?
   (a) java.lang (b) java.util
   (c) java.io (d) java.io.system

3. Expand CORBA
   (a) Class Object Request Broker Architecture
   (b) Common Object Request Broker Architecture
   (c) Class Oriented Request Broker Architecture
   (d) None

4. An abstract concept that defines a group of technologies that provide one or more services to its client is called
   (a) Container (b) Web server
   (c) Cookies (d) Tier

5. The method which returns one result set object that contains rows, columns and metadata that represent data requested by query.
   (a) executequery( ) (b) update query( )
   (c) connect query( ) (d) None

6. A Join statement which excludes rows of either table that don't have a matching values.
   (a) Outer join (b) Inner Join
   (c) Full outer join (d) All of the above

7. The method which returns an array of cookie objects is
   (a) addcookie( ) (b) setcookie( )
   (c) getCookies( ) (d) Mycookie( )

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8. The method which is automatically invoked when a JSP page is to be destroyed is

(a) void jspDestroy( )

(b) void jsp init( )

(c) void jspservices( )

(d) None

9. A deployment descriptor is written in a file using ———— syntax.

(a) HTML

(b) XML

(c) Both HTML and XML

(d) None

10. Expand IDL :

(a) Interface Data Language

(b) Interface Definition Language

(c) Interface Document Layer

(d) None

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the General form of a class.

Or

(b) Write a note on Throw and Throws statements.

12. (a) Give a brief note on Web Services.

Or

(b) Explain the purpose of Hidden field.

13. (a) What are Callable statements? Explain.

Or

(b) Discuss about DISTINCT modifier.

14. (a) What are servlets? Write the benefits of servlets.

Or

(b) Give a note on Cookies.

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15. (a) Write note on EJB Transaction attribute.

Or

(b) Discuss about Session java bean.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain the structure of an Interface.

Or

(b) Discuss about Constructors.

17. (a) Explain the classification of Clients.

Or

(b) Discuss about session management.

18. (a) Explain the steps for ODBC/JDBC bridge with the Database.

Or

(b) Write a brief note on meta data and its objects.

19. (a) Discuss the various JSP tags.

Or

(b) Explain about the tracking session in Java Servlets.

20. (a) Write a note on

(i) EJB Container

(ii) EJB classes

(iii) EJB Interfaces

Or

(b) Discuss about IDL Interface.

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