

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore-641043.**

**Master's Degree Examination – NOV 2017  
Semester I**

**Class : I PG  
Major : M.Sc. Information Technology**

**Time: 3 hours  
Max. Marks: 60**

**17MITC02 ADVANCED JAVA PROGRAMMING**

**Part A**

**10 x 1/2 = 5**

**Choose the correct answer**

1. \_\_\_\_\_ cannot be used for a variable name in Java?  
a) identifier b) keyword c) identifier & keyword d) None of the mentioned
2. \_\_\_\_\_ cannot be inherited from a base class in Java programming.  
a) Constructor b) final method c) Both d) None
3. RMI Architecture which layer intercepts method calls made by the client/redirects these calls to a remote RMI service?  
a) Stub & Skeleton Layer b) Application Layer  
c) Remote Layer d) Transport Layer
4. Which is a one-way communication only between the client and the server, which is not only a reliable but also there is no confirmation regarding reaching the message to the destination?  
a) TCP/IP b) UDP c) Both a & b d. None of the above
5. \_\_\_\_\_ is a special type of program that is embedded in the webpage to generate the dynamic content.  
a) Packages b) Applet c) Inheritance d) Event handling
6. Which of these methods are used to register a keyboard event listener?  
a) KeyListener() b) addKistener() c) addKeyListener() d) eventListener()
7. Which method is used to send the same request and response objects to another servlet in RequestDispatcher ?  
a) forward() b) sendRedirect()  
c) Both A & B d) None of the above
8. The JDBC-ODBC bridge is  
a) Multithreaded b) Singlethreaded c) Both of above d) None of above
9. In JSP page directive which attribute defines the MIME(Multipurpose Internet Mail Extension) type of the HTTP response?  
a) import b) Content Type c) Extends d) Info
10. A JSP page consists of which tags?  
a) HTML tags b) JSP tags c) Both A & B d) None of the above

**Part B**

**5 x 4 = 20**

**Answer ALL questions**

**Each answer should not exceed 200 words or one page**

11. a) Explain about the features and characteristics of JAVA.

(OR)

b) Discuss about Swing features.

12. a) Explain about the advantages of RMI.

(OR)

b) Write short notes on JVM.

13. a) Write short notes on applets.

(OR)

b) Explain about event handling.

14. a) Write short notes on JDBC.

(OR)

b) Explain about Servlet.

15. a) Discuss about JSP. (OR)

b) Explain the benefits of EJB.

**Part C**

**5 x 7 = 35**

**Answer ALL questions**

**Each answer should not exceed 600 words or three pages**

16. a) Explain about Inheritance.

(OR)

b) Differentiate Swing and AWT Components.

17. a) Discuss in detail about RMI Architecture.

(OR)

b) Write in detail about Java Networking.

18. a) Explain briefly about HTML applet tags.

(OR)

b) Explain about event class and event listener.

19. a) Discuss in detail about the types of JDBC drivers.

(OR)

b) Write in detail about the database connectivity with JDBC using servlet.

20. a) Discuss in detail about JSP tags.

(OR)

b) Differentiate Entity bean and Session bean.

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