

Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University), Coimbatore- 641 043
Semester I

Class : I PG
Major : Information Technology

Time: 3 hours
Max. Marks: 60

17MITC02 ADVANCED JAVA PROGRAMMING

Part A 10 x 1/2 = 05
Choose the correct Answer

1. Which of these operators is used to allocate memory to array variable in Java?
a) malloc b) alloc c) new d) new malloc
2. Which of these are selection statements in Java?
a) if() b) for() c) continue d) break
3. If class B is subclassed from class A then which is the correct syntax
a) class B:A{} b) class B extends A{}
c) class B extends class A{} d) class B implements A{}
4. Inheritance relationship in Java language is _____ Relation.
a) Association b) Is-A c) Has-A d) None
5. _____ interface handle sequences.
a) Set b) List c) Comparator d) Collection
6. _____ methods can randomize all elements in a list?
a) rand() b) randomize() c) shuffle() d) ambiguous()
7. Which packages represent interfaces and classes for servlet API?
a) javax.servlet b) javax.servlet.http
c) Both A & B d) None of the above
8. _____ HTTP Request method is non-idempotent?
a) GET b) POST c) BOTH A & B d) None of the above
9. The default username for the mysql database is _____.
a) System b) root c) Both a & b d) None of the above
10. How many types of controls does AWT support?
a) 7 b) 6 c) 5 d) 8

Part B **5 x 4 = 20**
Answer all the questions
Answer should not exceed 200 words or one page

11. a) Explain the features of Java. (OR)
b) Explain variables and its types..
12. a) Discuss about the advantages of RMI. (OR)
b) Illustrate on JVM.
- 13.a) Explain on applets. (OR)
b) Describe event class and listener.
- 14.a) Elaborate the types of JDBC drivers. (OR)
b) Relate the difference between Cookies and Session.
15. a) Explain about the advantages of JSP. (OR)
b) Discuss about the message driven beans.

Part C **5 x 7 = 35**
Answer all the questions
Answer should not exceed 600 words or three pages

- 16.a) Explain in detail about Inheritance. (OR)
b) Compare Swing and AWT Components.
17. a) Explain in detail about the RMI Architecture. (OR)
b) Build Java networking.
18. a) Analyze briefly about HTML applet tags. (OR)
b) Explain about the mouse event handling in detail.
19. a) Evaluate in detail about Servlet life cycle service. (OR)
b) Formulate the database connectivity with JDBC using Servlet.
- 20.a) Explain in detail about JSP directories. (OR)
b) Compare Entity and Session beans.
