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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Question 1 of 20** | 5.0/ 5.0 Points |   class G {  static void m(Object x) {System.out.print("Object");}  static void m(String x) {System.out.print("String");}  public static void main(String[] args) {m(null);}  }  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: Object |  | | B.Prints: String |  | | C.Compile-time error |  | | D.Run-time error |  | | E.None of the above |  | |
| |  |  | | --- | --- | | **Question 2 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A a1 = new A(); B b1 = new B(); C c1 = new C(); C c2 = new A();  c2.m1(a1); c2.m1(b1); c2.m1(c1);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 3 of 20** | 5.0/ 5.0 Points |   Which of the following modifiers can be applied to the declaration of a field?(Multi choice)   |  | | --- | |  |  |  |  | | --- | --- | | A. abstract |  | | B. final |  | | C. private |  | | D. protected |  | | E. Public |  | |
| |  |  | | --- | --- | | **Question 4 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A a1 = new A(); A b1 = new B(); A c1 = new C(); C c4 = new C();  a1.m1(c4); b1.m1(c4); c1.m1(c4);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 5 of 20** | 5.0/ 5.0 Points |   Which of the following modifiers can be applied to the declaration of a field? (Multi choice)   |  | | --- | |  |  |  |  | | --- | --- | | A. abstract |  | | B. final |  | | C. private |  | | D. protected |  | | E. Public |  | |
| |  |  | | --- | --- | | **Question 6 of 20** | 5.0/ 5.0 Points |   class Red {  public int a; public static int b;  public static void main (String[] in) {  Red r1 = new Red(), r2 = new Red(); r1.a++; r1.b++;  System.out.print(r1.a+", "+r1.b+", "+r2.a+", "+r2.b);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: 0, 0, 0, 0 |  | | B.Prints: 0, 1, 1, 1 |  | | C.Prints: 1, 1, 1, 0 |  | | D.Prints: 1, 1, 0, 1 |  | | E.Prints: 1, 1, 0, 0 |  | | F.Prints: 1, 1, 1, 1 |  | | G.Compile-time error |  | | H.Run-time error |  | | I.None of the above |  | |
| |  |  | | --- | --- | | **Question 7 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A a1 = new A(); B b1 = new A(); C c1 = new A(); C c2 = new C();  c2.m1(a1); c2.m1(b1); c2.m1(c1);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 8 of 20** | 5.0/ 5.0 Points |   class G {  static String m(float i) {return "float";}  static String m(double i) {return "double";}  public static void main (String[] args) {  int a1 = 1; long b1 = 2; System.out.print(m(a1)+","+ m(b1));  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: float,float |  | | B.Prints: float,double |  | | C.Prints: double,float |  | | D.Prints: double,double |  | | E.Compile-time error |  | | F.Run-time error |  | | G.None of the above |  | |
| |  |  | | --- | --- | | **Question 9 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A a1 = new A(); B b1 = new B(); C c1 = new C(); A c2 = new C();  c2.m1(a1); c2.m1(b1); c2.m1(c1);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 10 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A c1 = new C(); B c2 = new C(); C c3 = new C(); C c4 = new C();  c4.m1(c1); c4.m1(c2); c4.m1(c3);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B. Prints: ABC |  | | C.Prints: CCC |  | | D. Compile-time error |  | | E. Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 11 of 20** | 5.0/ 5.0 Points |   Which of the following modifiers can be applied to a constructor?   |  | | --- | |  |  |  |  | | --- | --- | | A.private |  | | B.abstract |  | | C. final |  | | D.volatile |  | | E.native |  | | F.None of the above. |  | |
| |  |  | | --- | --- | | **Question 12 of 20** | 5.0/ 5.0 Points |   class G {  static String m(int i) {return "int";}  static String m(float i) {return "float";}  public static void main (String[] args) {  long a1 = 1; double b1 = 2; System.out.print(m(a1)+","+ m(b1));  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: float,float |  | | B.Prints: float,double |  | | C.Prints: double,float |  | | D.Prints: double,double |  | | E.Compile-time error |  | | F.Run-time error |  | | G.None of the above |  | |
| |  |  | | --- | --- | | **Question 13 of 20** | 5.0/ 5.0 Points |   Which of the following modifiers can be applied to a class that is not a nested class? (Multi choice)   |  | | --- | |  |  |  |  | | --- | --- | | A. public |  | | B. protected |  | | C. private |  | | D. abstract |  | | E. static |  | | F. Final |  | |
| |  |  | | --- | --- | | **Question 14 of 20** | 5.0/ 5.0 Points |   Which of the following statements is true?   |  | | --- | |  |  |  |  | | --- | --- | | A.An abstract method can not be overridden by an abstract method. |  | | B.An instance method that is not abstract can not be overridden by an abstract method. |  | | C. An abstract method declaration can not include a throws clause. |  | | D.The body of an abstract method is represented by a set of empty brackets. |  | | E.None of the above. |  | |
| |  |  | | --- | --- | | **Question 15 of 20** | 5.0/ 5.0 Points |   class G {  static String m(float i) {return "float";}  static String m(double i) {return "double";}  public static void main (String[] args) {  char a1 = 1; long b1 = 2; System.out.print(m(a1)+","+ m(b1));  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A. Prints: float,float |  | | B.Prints: float,double |  | | C.Prints: double,float |  | | D.Prints: double,double |  | | E.Compile-time error |  | | F.Run-time error |  | | G.None of the above |  | |
| |  |  | | --- | --- | | **Question 16 of 20** | 5.0/ 5.0 Points |   abstract class A {} // 1  transient class G {} // 2  private class C {} // 3  static class E {} // 4  Suppose these are top-level class declarations and not nested class declarations. Which of these declarations would not produce a compile-time error?   |  | | --- | |  |  |  |  | | --- | --- | | A.1 |  | | B.2 |  | | C.3 |  | | D.4 |  | | E.None of the above |  | |
| |  |  | | --- | --- | | **Question 17 of 20** | 5.0/ 5.0 Points |   class A {} class B extends A {} class C extends B {}  class D {  void m1(A a) {System.out.print("A");}  void m1(B b) {System.out.print("B");}  void m1(C c) {System.out.print("C");}  public static void main(String[] args) {  A c1 = new C(); B c2 = new C(); C c3 = new C(); D d1 = new D();  d1.m1(c1); d1.m1(c2); d1.m1(c3);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 18 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A c1 = new C(); B c2 = new C(); C c3 = new C(); C c4 = new C();  c4.m1(c1); c4.m1(c2); c4.m1(c3);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: CCC |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |
| |  |  | | --- | --- | | **Question 19 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D extends C {  void m1(D d) {System.out.print("D");}  public static void main(String[] args) {  A a1 = new A(); B b1 = new B(); C c1 = new C(); D d1 = new D();  d1.m1(a1); d1.m1(b1); d1.m1(c1);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: AAA |  | | B.Prints: ABC |  | | C.Prints: DDD |  | | D.Prints: ABCD |  | | E.Compile-time error |  | | F.Run-time error |  | | G.None of the above |  | |
| |  |  | | --- | --- | | **Question 20 of 20** | 5.0/ 5.0 Points |   class A {void m1(A a) {System.out.print("A");}}  class B extends A {void m1(B b) {System.out.print("B");}}  class C extends B {void m1(C c) {System.out.print("C");}}  class D {  public static void main(String[] args) {  A c1 = new C(); C c2 = new C(); c1.m1(c2);  }}  What is the result of attempting to compile and run the program?   |  | | --- | |  |  |  |  | | --- | --- | | A.Prints: A |  | | B.Prints: B |  | | C.Prints: C |  | | D.Compile-time error |  | | E.Run-time error |  | | F.None of the above |  | |