1. Which keyword is used to declare a base class method while performing overidding of base class methods?  
a) this  
b) virtual  
c) override  
d) extend

Answer :b  
2. The process of defining a method in subclass having same name & type signature as a method in its superclass is known as?  
a) Method overloading  
b) Method overriding  
c) Method hiding  
d) None of the mentioned

Answer :b

3. Which of the given modifiers can be used to prevent Method overriding?  
a) Static  
b) Constant  
c) Sealed  
d) final

Answer :c

7. What will be the output for the given set of code?

1. **class** A
2. {
3. **public** **virtual** **void** display()
4. {
5. Console.WriteLine("A");
6. }
7. }
8. **class** B: A
9. {
10. **public** **override** **void** display()
11. {
12. Console.WriteLine(" B ");
13. }
14. }
15. **class** Program
16. {
17. **static** **void** Main(**string**[] args)
18. {
19. A obj1 = new A();
20. B obj2 = new B();
21. A r;
22. r = obj1;
23. r.display();
24. r = obj2;
25. r.display();
26. Console.ReadLine();
27. }
28. }

a) A, A  
b) B, B  
c) Compile time error  
d) A, B

Answer :d

8. The modifier used to hide the base class methods is ?  
a) Virtual  
b) New  
c) Override  
d) Sealed

Answer :b

10. What will be the output for the given set of code?

1. **class** a
2. {
3. **public** **void** fun()
4. {
5. Console.WriteLine("base method");
6. }
7. }
8. **class** b: a
9. {
10. **public** new **void** fun()
11. {
12. Console.WriteLine(" derived method ");
13. }
14. }
15. **class** Program
16. {
17. **static** **void** Main(**string**[] args)
18. {
19. b k = new b();
20. k.fun();
21. Console.ReadLine();
22. }
23. }

a) base method  
b) derived method  
c) Code runs successfully prints nothing  
d) Compile time error

Answer :b

7. What will be the output for the given set of code?

1. **class** A
2. {
3. **public** **virtual** **void** display()
4. {
5. Console.WriteLine("A");
6. }
7. }
8. **class** B: A
9. {
10. **public** **override** **void** display()
11. {
12. Console.WriteLine(" B ");
13. }
14. }
15. **class** Program
16. {
17. **static** **void** Main(**string**[] args)
18. {
19. A obj1 = new A();
20. B obj2 = new B();
21. A r;
22. r = obj1;
23. r.display();
24. r = obj2;
25. r.display();
26. Console.ReadLine();
27. }
28. }

a) A, A  
b) B, B  
c) Compile time error  
d) A, B

Answer :d