	Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP)		
	Worksheet -6 (Abstraction & Interfaces)		
Bundle & Subject Name	Advanced Bundle V2 (2025) - Java Programming V2	**Semester**	VI

Answer Key

1. What is abstraction?

    A) Showing all details

    B) Hiding details and showing only important things

    C) Writing complex code

    D) Sharing all information

    Ans: B. Hiding details and showing only important things

2. What type of methods can an abstract class have?

    A) Only abstract methods

    B) Only non-abstract methods

    C) Both abstract and non-abstract methods

    D) No methods at all

    Ans: C. Both abstract and non-abstract methods

3. What is missing in an abstract method?

    A) Method name   B) Return type

    C) Implementation (method body)   D) Method parameters

    Ans: C. Implementation (method body)

4. What can an abstract class contain?

    A) Only abstract methods

    B) Data members, methods, and constructor

    C) Only constructors

    D) Only data members

    Ans: B. Data members, methods, and constructor

5. If you don't implement the abstract method in a class, what must you do?

    A) Make the class abstract   B) Remove the method

    C) Ignore it   D) Make the method non-abstract

    Ans: A. Make the class abstract

6. What does an interface contain?

    A) Only abstract methods   B) Methods with full code

    C) Private variables   D) Regular class methods

    Ans: A. Only abstract methods

7. Are methods in an interface automatically abstract?

    A) Yes, all methods are automatically abstract.

    B) No, you must declare them as abstract.

    C) Only methods starting with abstract.

    D) Only static methods are abstract.

    Ans: A. Yes, all methods are abstract.

8. How does an interface relate to another interface in Java?

    A) An interface extends another interface.

    B) An interface implements another interface.

    C) An interface can't extend anything.

    D) An interface can extend a class.

    Ans: A. An interface extends another interface.

9. What does an interface in Java not contain?

    A) Constructors   B) Abstract methods

    C) Static variables   D) Public methods

    Ans: A. Constructors

10. Can you instantiate an abstract class or an interface in Java?

    A) Yes, both can be instantiated

    B) No, neither can be instantiated

    C) Only an abstract class can be instantiated

    D) Only an interface can be instantiated

    Ans: B. No, neither can be instantiated