

## Task No.3

### Part 1: Multiple Choice 1.

1. Which keyword is used to refer to the current instance of a class in

Dart methods?

- A) self
- B) this
- C) me
- D) current

Sol: B) this

2. What happens if a subclass overrides a method from the superclass in Dart?

- A) The method in the superclass is removed
- B) Both methods are called when the subclass method is invoked
- C) The method in the superclass is ignored
- D) The subclass method replaces the method in the superclass

Sol: D) The subclass method replaces the method in the superclass

3. How many types of constructors are there in Dart?

- A) Two: primary and secondary
- B) Three: default, named, and factory
- C) Four: instance, static, default, and factory
- D) Constructors are not supported in Dart

Sol: B) Three: default, named, and factory

4. How do you apply a mixin to a class in Dart?

- A) By using the 'extends' keyword
- B) By using the 'implements' keyword
- C) By using the 'with' keyword
- D) By using the 'mixin' keyword

Sol: C) By using the 'with' keyword

5. Which of the following is true about mixins in Dart?

- A) Mixins can have constructors
- B) Mixins can be instantiated directly
- C) Mixins cannot contain any code
- D) Mixins can only be applied to abstract classes

Sol: A) Mixins can have constructors