**Exam 24/8/2024**

**1. Define a function in Dart. How do you declare a function with optional and named parameters?**

**2. Explain the difference between synchronous and asynchronous functions in Dart.**

**3. What is the role of the async and await keywords in Dart? How are they used in asynchronous functions?**

**4. How do anonymous functions (lambdas) work in Dart? Provide an example.**

**5. What is the difference between positional and named parameters in Dart functions?**

**6. How can you pass a function as a parameter to another function in Dart? Provide an example.**

**7. What is a class in Dart, and how do you create an instance of a class?**

**8. What is inheritance in Dart? How do you implement inheritance in Flutter apps?**

**9. Explain polymorphism in Dart with examples. How does Flutter make use of this concept?**

**10. What is an abstract class in Dart, and how is it used? What are the advantages of using abstract classes in Flutter?**

**11. Describe the difference between extends and implements in Dart. When would you use each?**

**12.Explain encapsulation and how getters and setters are used in Dart to enforce it.**

**13. How does Dart handle method overriding? Provide an example of how you would override a method in a Flutter app.**