

**GLS UNIVERSITY**  
**Faculty of Computer Applications & IT**  
**IMCA SEM V**

**222301504 Cross Platform Mobile Application Development**  
**Assignment – 2**

<b>Q-1.</b>	<b>Do as Directed</b>
1.	Define dart:
2.	Diffrentiate the dart and flutter.
3.	_____ converts the Dart code in the optimized JavaScript code with the help of the dar2js compiler and runs on all modern web-browser. It compiles the code at build time.
4.	_____ converts the byte code in the machine code (native code), but only code that is necessary.
5.	Dart _____ is defined as an immutable object, which means it can't be changed or modified during the execution of the program
6.	Dart _____ is similar to an array, which is the ordered collection of the objects.
7.	Define the types of list:
8.	Dart provide a _____ method to check for the error with custom message.
9.	If we define variable like, int? x; then x is nullable or non-nullable.
10.	For in is the valid type of loop in dart.[True/False]
11.	The _____ function is a predefined method in Dart.
12.	Dart is extensively use to create single-page websites and web-applications.[True/False]
13.	The variable cannot contain special characters such as whitespace, mathematical symbol, runes, Unicode character, and keywords.[True/False]
14.	Differentiate var vs dynamic.
15.	The _____ keyword can turn variables into class variables and methods into class methods.
<b>Q-2.</b>	<b>Answer the following questions:</b>
1.	Explain the features of dart programming language.
2.	Explain dart supported platform in detail.
3.	Explain the following types of variable with example. a.var b.dynamic c.const d.finally
4.	Explain the properties of string data type.
5.	Explain the operators in dart with example.
6.	Explain the conditions and loops with example.