Question # 01

What are the various types of operators in dart? Explain with Examples.

Anwser:

+ Addition Use to add two operands

– Subtraction Use to subtract two operands

-expr Unary Minus It is Use to reverse the sign of the expression

\* Multiply Use to multiply two operands

/ Division Use to divide two operands

~/ Division Use two divide two operands but give output in integer

% Modulus Use to give remainder of two operands

> Greater than Check which operand is bigger and give result as boolean expression.

< Less than Check which operand is smaller and give result as boolean expression.

>= Greater than or equal to Check which operand is greater or equal to each other and give result as boolean expression.

<= less than equal to Check which operand is less than or equal to each other and give result as boolean expression.

== Equal to Check whether the operand are equal to each other or not and give result as boolean expression.

!= Not Equal to Check whether the operand are not equal to each other or not and give result as boolean expression.

is is Gives boolean value true as output if the object has specific type

is! is not Gives boolean value false as output if the object has specific type

& Bitwise AND Performs bitwise and operation on two operands.

| Bitwise OR Performs bitwise or operation on two operands.

^ Bitwise XOR Performs bitwise XOR operation on two operands.

~ Bitwise NOT Performs bitwise NOT operation on two operands.

<< Left Shift Shifts a in binary representation to b bits to left and inserting 0 from right.

>> Right Shift Shifts a in binary representation to b bits to left and inserting 0 from left.

= Equal to Use to assign values to the expression or variable

??= Assignment operator Assign the value only if it is null.

&& And Operator Use to add two conditions and if both are true than it will return true.

|| Or Operator Use to add two conditions and if even one of them is true than it will return true.

! Not Operator It is use to reverse the result.

condition ? expersion1 : expersion2 Conditional Operator It is a simple version of if-else statement. If the condition is true than expersion1 is executed else expersion2 is executed.

expersion1 ?? expersion2 Conditional Operator If expersion1 is non-null returns its value else returns expression2 value.

.. cascading Method It is used to perform multiple methods on the same object.

Question # 02

(5)What is a difference between these operators “?? And?”

Conditional Expressions

Dart has two operators that let you evaluate expressions that might otherwise require ifelse statements −

condition ? expr1 : expr2

If condition is true, then the expression evaluates expr1 (and returns its value); otherwise, it evaluates and returns the value of expr2.

expr1 ?? expr2

If expr1 is non-null, returns its value; otherwise, evaluates and returns the value of expr2

Question # 06

List of All data types in DART:

Numbers – int, double

String

Boolean

List

Map

Runes

Question # 10

LEGAL VARIABLE NAMES

var ABC = 123

var A2 = “Ahsan”

var A\_BC = 123

var A# = “me”

var FOR = “ her “

ILLEGAL VARIABLE NAMES

var 123 = ABC

var 2A = “Ahsan”

var A-BC = 123

Var A = “ me “

Var for = “ her “