

## 2. PPL-Unit Test 2-Unit 2

Total points 21/25



Syllabus: Unit 2

\* Instructions:

All questions are compulsory. Each question carries 1 mark.

Maximum Marks: 25

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0 of 0 points

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PPL Unit 2 MCQ Test

11 of 12 points

✓ What will be the output of the following Java program?

1/1

```
class comma_operator
{
    public static void main(String args[])
    {
        int sum = 0;
        for (int i = 0, j = 0; i < 5 & j < 5; ++i, j = i + 1)
            sum += i;

        System.out.println(sum);
    }
}
```

- ☐ 5
- ☒ 6
- ☐ 14
- ☐ Compilation error



✓ Which of this statement is incorrect?

1/1

- ☐ switch statement is more efficient than a set of nested ifs
- ☒ two case constants in the same switch can have identical values
- ☐ switch statement can only test for equality, whereas if statement can evaluate any type of boolean expression
- ☐ it is possible to create a nested switch statements



✓ The variable which can be accessed by all modules in a program , are called ----- 1/1

- ☐ Local variables
- ☐ Internal variables
- ☐ External variable
- ☒ Global variables ✓

✗ Discriminated unions are supported by----- 0/1

- ☐ C
- ☐ C++
- ☐ ML
- ☒ All of these ✗

Correct answer

- ☒ ML

✓ In C, reference is declared using symbol----- 1/1

- ☐ \*
- ☒ & ✓
- ☐ &&
- ☐ !



✓ Choose the correct statement

1/1

- ☐ Reference must be initialized within a function
- ☐ Reference must be initialized outside a function
- ☒ Reference must be always initialized ✓
- ☐ None of these

✓ Choose the correct statement I The variable and its reference are linked together II We can change the value of variable via its reference 1/1

- ☐ Only I
- ☐ Only II
- ☒ Both I & II ✓
- ☐ None of these

✓ Explicit type conversion is known as -----

1/1

- ☐ Conversion
- ☒ Casting ✓
- ☐ Separation
- ☐ None of these



✓ Looping in a program means-----

1/1

- ☐ Jumping to the specified branch of program
- ☒ Repeat the specified lines of code ✓
- ☐ Both of above
- ☐ None of these

✓ What is required to reference an element in an array?

1/1

- ☐ Array name
- ☐ Index value of the element
- ☐ Element value
- ☒ Both a and b ✓

✓ Functions and subprograms are both same

1/1

- ☐ true
- ☒ false ✓



✓ Which among the following best defines abstraction?

1/1

- ☐ Hiding the implementation
- ☐ Showing the important data
- ☐ Hiding the important data
- ☒ Hiding the implementation and showing only the features ✓

### PPL Unit 2 MCQ Test

10 of 13 points

✓ Abstraction can apply to \_\_\_\_\_

1/1

- ☒ Control and data ✓
- ☐ Only data
- ☐ Only control
- ☐ Classes

✓ When there is multiple IF and a single ELSE then the ELSE part doesn't get a clear view to go with which IF, this problem is called

1/1

- ☐ dangling if problem
- ☐ Multiple if problem
- ☒ dangling else problem ✓
- ☐ None of the above



✗ In Logically-Controlled Loops repetition control is based on

0/1

- ☐ counter
- ☐ Boolean experssion
- ☒ combination of the A & B
- ☐ None of the above



Correct answer

- ☒ Boolean experssion

✓ In which type Binding of subscript ranges and storage allocation is dynamic and can change any number of times

1/1

- ☐ Fixed heap dynamic array
- ☒ Heap-dynamic array
- ☐ Stack-dynamic array
- ☐ Static array



✓ Relational operator always have lower precedence than the arithmetic operators

1/1

- ☒ True
- ☐ False



✓ In which type subscript ranges are statically bound, but the allocation is done at declaration elaboration time during execution 1/1

☒ Fixed stack-dynamic array ✓

☐ Stack-dynamic array

☐ Fixed heap dynamic array

☐ Heap-dynamic array

✓ An unordered collection of data elements that are indexed by an equal number of values called keys are called ----- 1/1

☐ Rectangular array

☐ Jagged Arrays

☐ Record

☒ Associative Arrays ✓

✓ Heterogeneous Arrays supported by which of the following language 1/1

☐ c

☐ Ada

☒ Python ✓

☐ ML





✗ Which of the following is the correct usage of conditional operators used in C? 0/1

☒ `a>b ? c=30 : c=40;` ✗

☐ `a>b ? c=30;`

☐ `max = a>b ? a>c?a:c:b>c?b:c`

☐ `return (a>b)?(a:b)`

Correct answer

☒ `max = a>b ? a>c?a:c:b>c?b:c`

✓ Which of the following statement allow the programmer to make the control to the beginning of the loop, without executing the next statement inside the loop? 1/1

☐ While

☒ Continue ✓

☐ Go to

☐ If



✓ In which order do the following gets evaluated

1/1

1. Relational
2. Arithmetic
3. Logical
4. Assignment

☒ 2134



☐ 1234

☐ 4321

☐ 3214



✗ The attributes of three arithmetic operators in some programming language are given below.

0/1

Operator	Precedence	Associativity	Arity
+	High	Left	Binary
-	Medium	Right	Binary
*	Low	Left	Binary

The value of the expression  $2 - 5 + 1 - 7 * 3$  in this language is \_\_\_\_\_ ?

☒ 3



☐ 9

☐ 1

☐ 2

Correct answer

☒ 9

✓ Which of the following is the correct order of evaluation for the below expression?  $z = x + y * z / 4 \% 2 - 1$  1/1

☒ \* / % + - =



☐ = \* / % + -

☐ / \* % - + =

☐ \* % / - + =

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