



Faculty of Information Technology

Information Management

MID SEM EXAM: October, 2022-2024 (1)

Course Code and Name: INSY 7311

Instructor: Huguette Sandrine Ingenere

Exam Duration: 2 Hours

Date: 17-October-2023

Time: 18:00

Group: B

Total max: 30

Instructions:

- This exam has three mandatory sections
 - For section B – Provide the O/P of programs. Do not explain your O/P
 - For section C- Do not change the Logic of the provided program.
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SECTION A: RESPOND WITH TRUE OR FALSE (10 MARKS)

- 1) A case expression variable can hold more than one data value
- 2) PL/SQL program do not allow to raise a custom error number within a PLSQL program
- 3) The INVALID_CURSOR exception is raised when using a closed cursor
- 4) PL/SQL programs do not support forward referencing
- 5) PL/SQL programs do not support constrained declaration
- 6) PL/SQL programs do not support variable initialization
- 7) The EXCEPTION_INIT () function helps create a new user defined exception
- 8) The sequential control structures implement the conditional branching logic
- 9) The numeric FOR LOOP checks the exit condition on each and every iteration
- 10) The CONTINUE statement is used to exit a simple FOR LOOP

SECTION B: WRITE THE O/P OF THESE PROGRAMS. DO NOT EXPLAIN YOUR O/P (10 MARKS)

1. FOR LOOP (2 MARKS)

i is: 1 and j is: 1

i is: 1 and j is: 2

i is: 1 and j is: 3

i is: 2 and j is: 1

i is: 2 and j is: 2

i is: 2 and j is: 3

i is: 3 and j is: 1

i is: 3 and j is: 2

i is: 3 and j is: 3

2. FOR LOOP (2 MARKS)

1
2
3
10

3. CASE EXPRESSION (2 MARKS)

ERROR

4. WHILE LOOP (2 MARKS)

Counter : 1

Counter : 2

5. SIMPLE LOOP (2 MARKS)

2
3
4

SECTION C: REWRITE THE BELOW PROGRAMS (10 MARKS)

1. Write a program that produces the same O/P as this program using a SIMPLE LOOP **(4 MARKS)**

declare

i number:=1;

n number:=10;

begin

LOOP

dbms_output.put_line('i = ' || i);

i:=i+1;

IF mod(i,4)=0 THEN

i:=i+1;

CONTINUE;

END IF;

IF i > n THEN

```
EXIT;  
END IF;  
END LOOP;  
END;
```

2. What is the O/P of this program? **(2 MARKS)**

10
11
12
13
14
15
16
17
18
19

3. Would there be any change to the O/P if we added a CONTINUE statement between the IF CONDITION and a: =a+3? Explain your answer using **ONLY ONE STATEMENT**. **(3 MARKS)**

4. Referring to program 2 in SECTION C which variable is used as a loop counter (index or iterator)? **(1 MARK)** a

CHEERS AND GOOD LUCK!! 😊