

University of Asia Pacific  
Dept. of Computer Science and Engineering  
Lab Test – 01 (Part-2), Spring-2021  
Course Code: CSE 404 Course Title: Artificial Intelligence and Expert Lab Systems  
Total Marks: 10 Time: 20 (15+5) Min

Answer the following question:

1. Suppose the following rule is given:

[10]

bigger(X,Y) :- Y is X-1.

If you run the code and check (ignore the warnings), you will get the following output:

?- bigger(10,9).

**true.**

?- bigger(10,8).

**false.**

Write a recursion function using the above rule that will give the following output:

?- bigger(100,1).

**true .**

?- bigger(10,1).

**true .**

?- bigger(1000,1)

**true .**

?- bigger(10,8).

**true|**