**Assignment 6**

**The due date for submitting this assignment has passed.**

**Due on 2018-09-12, 23:59 IST.**

**Assignment submitted on 2018-09-09, 17:39 IST**

***1 point***

If AMIT is encoded as ZLHS and SIMRAN  is encoded as RHLQZM, then how would VIDHYA be encoded as?

 WJEIZB

 UHCGXZ

 XKFJAC

 TGBFWY

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*UHCGXZ*

***1 point***

If SUDARSHAN is encoded as YLSEFYWEG and BHAWANA is encoded as TWEUEGE, how would SHUBH be encoded as?

 TIVCI

 RGTAG

 YWLTW

 WUTEG

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*YWLTW*

***1 point***

Which of the following statements is true?

 Both Caesar cipher and Substitution cipher are the same

 Caesar and Substitution cipher are totally unrelated

 Caesar cipher is a special case of Substitution cipher

 Substitution cipher is a special case of Caesar cipher

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Caesar cipher is a special case of Substitution cipher*

***1 point***

How many winning configurations are possible for a player in the Tic Tac Toe game?

 2

 4

 6

 8

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*8*

***1 point***

What is the game strategy used in the Tic Tac Toe game?

 Divide and Conquer

 Greedy Strategy

 Iterative Search

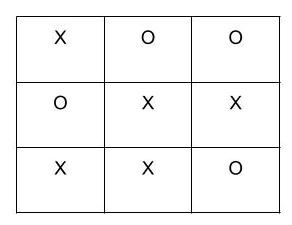
 Min-Max Strategy

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Min-Max Strategy*

***1 point***

  
  
Identify the winner of this game.

 X

 O

 Draw

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Draw*

***1 point***

Which of these statements is true?

 Recursion can solve a few problems which Iteration cannot.

 Iteration can solve a few problems which Recursion cannot.

 Anything that Recursion can solve can be solved by Iteration.

 Recursion and Iteration are totally unrelated.

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*Anything that Recursion can solve can be solved by Iteration.*

***1 point***

Consider the following recursive function  
  
def f(n):  
 if n<0:  
 return -1 \* f ( -1 \* n)  
 elif n==0:  
 return 0  
 else:  
 return 4 + f (n-1)   
  
What would be the output of f(8)?

 12

 4

 32

 2

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*32*

***1 point***

What does the following function do?  
  
def f(n):  
 if n<0:  
 return -1 \* f ( -1 \* n)  
 elif n==0:  
 return 0  
 else:  
 return f(n-1)+2

 Adds 2 to n (i.e calculates n+ 2)

 Subtract 2 from n (i.e. calculates n - 2)

 doubles the value of n (i.e. calculates n \* 2)

 halves the value of n (i.e. calculates the value of n / 2)

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*doubles the value of n (i.e. calculates n \* 2)*

***1 point***

A \_\_\_\_ matrix  is  required to implement tic tac toe.

 4\*4

 5\*5

 2\*2

 3\*3

**Yes, the answer is correct.   
Score: 1**

**Accepted Answers:**

*3\*3*