Department of Electrical Engineering

 Assignment

 Date:20/04/2020

Course Title Thermodynamic

Module : 02

Instructor: Mujtaba sb

Total: 30

 **Student Detail**

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ID 16529

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Q2. | (a) | 1. Steps that involve precise sequence to solve a problem is called

|  |  |
| --- | --- |
| 1. Statement
 | 1. **Program**
 |
| 1. Utility
 | 1. Routine
 |

1. In an if structure statements are executed only,

|  |  |
| --- | --- |
| 1. When the condition is false
 | 1. When it contain arithmetic operators
 |
| 1. When it contain logical operators
 | 1. **When the condition is true**
 |

1. Which of the following can not be a variable name?

|  |  |
| --- | --- |
| 1. area
 | 1. **\_area**
 |
| 1. 10area
 | 1. area2
 |

1. Which loop process is best when the number of iterations is known?

|  |  |
| --- | --- |
| 1. **for**
 | 1. while
 |
| 1. again
 | 1. all looping processes require that the iterations be known
 |

1. Which special character is in the end of a string to indicate the end?

|  |  |
| --- | --- |
| 1. new line
 | 1. tab
 |
| 1. **null**
 | 1. carriage return
 |

1. A total of **21+1=22**\_\_\_\_ bytes are occupied by the following variable.

txt = “programming fundamentals”1. Commenting the code \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| 1. **Makes a program easy to understand for others.**
 | 1. Make programs heavy, i.e. more space is needed for executable.
 |
| 1. Makes it difficult to compile
 | 1. All of the given options
 |

 | Marks 14 |

**(Q1) ans**

Print(“enter number”)

a=input ()

b=input ()

if (a!=0)& (b%a)==0

print(“true”)

else print(“false”)

**Q1(B)**

**ANS:**

acct\_num=input(“enter account number:\n”)

b\_bal=int(input(“Enter beginning balance: \n”))

Charges =int(input )”total of items charges:\n”))

Credits=int(input(“Total of credits :\n”)

Cre\_lmt=int(input(“credit limit:\n”))

New\_Bal=b\_+charges – credits

If(new\_bal>cre\_lmt):

Print(“credit limit exceeded”)

Output

Credits limit exceeded

**Q3(A)ANSWER**

def function(num):

return 2\*(num\*\*2) - 3\*num

if \_name\_== ‘\_main\_’:

array=[64,44,27,14,5,0,-1,2,9,20]

for I in array:

print(function(i),end=” “)

output

8000 3740 1377 350 35 0 5 2 135 740

**Q3(B)**

For item in seq

Next

 test

Is seq? empty

Statement block

YES

NO