PYTHON

(WORKSHEET-1 ANSWERKEY)

Q=1) (C)

Q=2) (B)

Q=3) (C)

Q=4) (A)

Q=5) (D)

Q=6) (C)

Q=7) (A)

Q=8) (C)

:- MULTIPLE CORRECT ANSWERS

Q=9) (A) (C)

Q=10) (A) (B)

Q=11) Ans=)   Number = int(input("Enter a number"))

Factorial = 1

For I in range (number, 0,-1):

Factorial = factorial * i

Print("Factorial of "number, is: "factorial)

Q=12) Ans=) number = int(input("Enter a number:"))

```
If number <1:
    Print("Number needs to be greater than 1")
Elif number ==1
    Print(number,  "is   neigther   prime   nor
composite")
  else:
    for divisor in range (2,number//2)+1):
    if (number % divisor)==0:
    print(number, "is a composite number")
    break
  else:
    print(number,"is a prime number")
```

```
Q=13) Ans=)  number  = int(input('Enter a number :'))
        temp=number
        Rev=0
      While(number>0):
          dig = number % 10
          rev = rev * 10 + dig
          number = number //10
```

```python
        if (temp ==rev):
                print("The number is palindrome!")
        else:
                print("not palindrome!")
```

Q=14) Ans=)

```python
def pythogoras(opposite_side,adjacent_side,hypotenuse):
    if opposite_side == str("x"):
        return ("Opposite = "+str(((hypotenuse**2)-(adjacent_side**2))**0.5))
    elif adjacent_side == str("x")
        return ("Adjacent = "+str(((hypotenuse**2)-(opposite_side**2))**0.5))
    elif hypotenuse == str("x")
        return ("hypotenuse = "+str(((opposite_side**2)+(adjacent_side**2))**0.5))
    else:
        return "you know the answer!"
```

Q=15) Ans=) def char_frequency(str1):

```
Dict = {}
For n in str1:
Keys = dict.keys()
If n in keys:
 Dict[n] +=1
else:
  dict[n]=1
return dict
```