Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	726
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No
Revisit allowed for group Instructions? :	Yes
Maximum Instruction Time :	0
Minimum Instruction Time :	0
Group Time In :	Minutes
Revisit Section :	Yes
Action on Revisit Section :	View and Edit
Navigate To Group Summary From Last Question? :	No
Disable Submit Button During Assessment? :	No
Section Selection Time? :	0
No of Optional sections to be attempted :	0

Sem1 CT

Section Id :	64065359238
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	14
Number of Questions to be attempted :	14
Section Marks :	50
Display Number Panel :	Yes
Section Negative Marks :	0
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	No
Section Maximum Duration :	0
Section Minimum Duration :	0
Section Time In :	Minutes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	640653122904
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 640653825575 Question Type : MCQ

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "FOUNDATION LEVEL : SEMESTER I : COMPUTATIONAL THINKING (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406532776069. ✔ YES

6406532776070. ✖ NO

Question Number : 2 Question Id : 640653825576 Question Type : MCQ

Correct Marks : 0

Question Label : Multiple Choice Question

Scores

SeqNo	Name	Gender	DateOfBirth	TownCity	Mathematics	Physics	Chemistry	Total
0	Bhuvanesh	M	7 Nov	Erode	68	64	78	210
■ ■ ■								
29	Naveen	M	13 Oct	Vellore	72	66	81	219

Words

SeqNo	Word	PartOfSpeech	LetterCount
0	It	Pronoun	2
■ ■ ■			
64	cane.	Noun	4

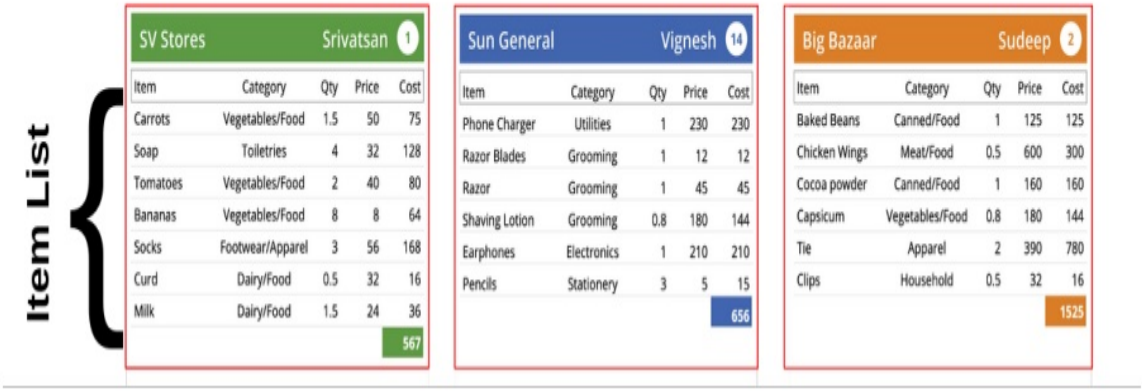
Library

SeqNo	Name	Author	Genre	Language	Pages	Publisher	Year
0	Igniting Minds	Kalam	Nonfiction	English	178	Penguin	2002
■ ■ ■							
29	Malgudi Days	Narayan	Fiction	English	150	Indian Thought	1943

Olympics

SeqNo	Name	Gender	Nationality	Host country	Year	Sport	Medal
0	Karnam Malleswari	F	Indian	Australia	2000	Weightlifting	Bronze
			- - -				
49	Michael Phelps	M	American	China	2008	Swimming	Gold

Three sample cards out of 30 for Shopping Bills dataset



Options :

6406532776071. ✔ Useful Data has been mentioned above.

6406532776072. ✖ This data attachment is just for a reference & not for an evaluation.

Sub-Section Number : 2

Sub-Section Id : 640653122905

Question Shuffling Allowed : Yes

Question Number : 3 Question Id : 640653825577 Question Type : MSQ

Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

The given information represents "Scores" dataset and it may have some mistakes with respect to the sanity of data. Identify all rows with such mistakes. It is a Multiple Select Question (MSQ).

Row no.	Field	Value
Row 1	Card number	1
Row 2	Name	Harish
Row 3	Gender	M
Row 4	Date of Birth	30 November
Row 5	Mathematics	62
Row 6	Physics	145
Row 7	Chemistry	91
Row 8	Total	398

Options :

6406532776073. ✖ Row 1: Incorrect data type of card number

6406532776074. ✔ Row 4: Invalid Date of Birth

6406532776075. ✔ Row 6: Physics score is out of range

6406532776076. ✔ Row 8: Total score is out of range

Sub-Section Number : 3

Sub-Section Id : 640653122906

Question Shuffling Allowed : Yes

Question Number : 4 Question Id : 640653825578 Question Type : MCQ

Correct Marks : 4

Question Label : Multiple Choice Question

The given pseudocode is executed using "Scores" dataset. Let **B** be a positive integer. What does the procedure **DoSomething** compute?

```
Procedure DoSomething (B)
    C = 0, D = 101
    while(Table 1 has more rows){
        Read the first row X in Table 1
        if(X.Physics > C){
            C = X.Physics
        }
        if(X.Chemistry < D){
            D = X.Chemistry
        }
        Move X to Table 2
    }
    if(C - D >= B){
        return (False)
    }
    else{
        return(True)
    }
End DoSomething
```

Options :

6406532776077. ✖ Returns "True" if and only if the difference between the maximum Physics marks and the minimum Chemistry marks is at least **B**

6406532776078. ✖ Returns "True" if and only if the difference between the maximum Chemistry marks and the minimum Physics marks is at most **B**

6406532776079. ✔ Returns "True" if and only if the difference between the maximum Physics marks and the minimum Chemistry marks is less than **B**

6406532776080. ✖ Returns "True" if and only if the difference between the maximum Chemistry marks and the minimum Physics marks is less than **B**

Question Number : 5 Question Id : 640653825586 Question Type : MCQ

Correct Marks : 4

Question Label : Multiple Choice Question

The following pseudocode is executed using the "Scores" dataset. What will **A** represent at the end of the execution?

```
A = 0
while(Pile 1 has more cards){
    Read the top card X from Pile 1
    A = A + isInSeq(X)
    Move X to Pile 2
}
Procedure isInSeq(X)
    if(X.Physics < X.Mathematics){
        if(X.Mathematics < X.Chemistry){
            return(1)
        }
    }
    return(0)
End isInSeq
```

Options :

6406532776103. ✔ Number of students with highest marks in Chemistry and lowest marks in Physics.

6406532776104. ✖ Number of students with highest marks in Mathematics and lowest marks in Physics.

6406532776105. ✖ Number of students with highest marks in Physics among the three subjects.

6406532776106. ✖ Number of students with lowest marks in Physics and highest marks in Mathematics.

Question Number : 6 Question Id : 640653825588 Question Type : MCQ

Correct Marks : 4

Question Label : Multiple Choice Question

The following pseudocode is executed using the "Library" dataset.

```
A = 0, count = 0
while(Table 1 has more rows){
    Read the first row X from Table 1
    if(X.Year > A){
        A = X.Year
    }
    Move X to Table 2
}
while(Table 2 has more rows){
    Read the first row Y from Table 2
    if(Y.Year != A){
        count = count + 1
    }
    Move Y to Table 1
}
```

What will **count** represent at the end of execution of the above pseudocode?

Options :

6406532776111. ✖ Number of books which were published after the least recent year.

6406532776112. ✖ Number of books which were published in the least recent year.

6406532776113. ✔ Number of books which were published after the most recent year.

6406532776114. ✖ Number of books which were published in the most recent year.

Sub-Section Number : 4

Sub-Section Id : 640653122907

Question Shuffling Allowed : Yes

Question Number : 7 Question Id : 640653825579 Question Type : MSQ

Correct Marks : 4 Max. Selectable Options : 0

Question Label : Multiple Select Question

The following pseudocode is executed using the "Words" dataset. At the end of the execution, **A** captures the number of nouns with letter count at least four and at most eight. Choose the correct code fragment(s) to complete the pseudocode. It is a Multiple Select Question (MSQ).

```
A = 0
while(Table 1 has more cards){
    Read the first row X from Table 1
    if(CheckSomething(X, 4, 8)){
        A = A + 1
    }
    Move X to Table 2
}
Procedure CheckSomething(Y, C1, C2,)
    if(Y.PartOfSpeech == "Noun"){
        **********
        ****Fill the code******
        **********
    }
    else{
        return(False)
    }
End CheckSomething
```

Options :

6406532776081. ✖

```
    if(C1 >= Y.LetterCount and Y.LetterCount <= C2){
        return(True)
    }
    else{
        return(False)
    }

```

6406532776082. ✔

```
    if(C1 <= Y.LetterCount and Y.LetterCount <= C2){
        return(True)
    }
    else{
        return(False)
    }

```

6406532776083. ✖

```
    if(C1 <= Y.LetterCount and Y.LetterCount <= C2){
        return(False)
    }
    else{
        return(True)
    }

```

```
    if(C1 > Y.LetterCount or Y.LetterCount > C2){
        return(False)
    }
    else{
        return(True)
    }

```

6406532776084. ✔

Question Number : 8 Question Id : 640653825580 Question Type : MSQ
Correct Marks : 4 Max. Selectable Options : 0

Question Label : Multiple Select Question

The following pseudocode is executed using the "Words" table. At the end of the execution, **count** stores the number of pairs of verbs such that both verbs have either the same letter count or both end with a full stop, but not both. Choose the correct code fragment to complete the pseudocode.

```
count = 0
while(Table 1 has more rows){
    Read the first row X in Table 1
    Move X to Table 2
    if(X.PartOfSpeech == "Verb"){
        while(Table 1 has more rows){
            Read the first row Y in Table 1
            Move Y to Table 3
            if(X.PartOfSpeech == Y.PartOfSpeech){
                ********************************
                *********Fill the Code*********
                ********************************
            }
        }
        Move all rows from Table 3 to Table 1
    }
}
```

Options :

6406532776085. ✔

```
if(X.LetterCount == Y.LetterCount){
    count = count + 1
}
else{
    if(X.Word and Y.Word end with a full stop){
        count = count + 1
    }
}
```

6406532776086. ✖

```
if(X.LetterCount == Y.LetterCount){
    count = count + 1
}
if(X.Word and Y.Word end with a full stop){
    count = count + 1
}
```

6406532776087. ✔

```
if(X.Word and Y.Word end with a full stop){
    count = count + 1
}
else{
    if(X.LetterCount == Y.LetterCount){
        count = count + 1
    }
}
```

6406532776088. ✖

```
if(X.LetterCount == Y.LetterCount or X.Word and Y.Word end with a full stop){
    count = count + 1
}
```

Question Number : 9 Question Id : 640653825585 Question Type : MSQ
Correct Marks : 4 Max. Selectable Options : 0
Question Label : Multiple Select Question

In the "Shopping Bills" dataset, the procedure **countBills** counts the number of bills from Big Bazaar with total amount more than the average total bill amount. Assume that the variable **Avg** holds the value of the average total bill amount. Choose the correct code fragment(s) to complete the procedure. It is a Multiple Select Question (MSQ).

```
Procedure countBills()
    Count = 0
    while(Pile 1 has more cards){
        Read the top card X from Pile 1
        **********************
        ** Fill the code   **
        **********************
        Move card X to Pile 2
    }
    return(Count)
End countBills
```

Options :

6406532776099. ✔

```
if(X.ShopName == "BigBazaar"){
    if(X.TotalBillAmount > Avg){
        Count = Count + 1
    }
}
```

6406532776100. ✔

```
if(X.TotalBillAmount > Avg){
    if(X.ShopName == "BigBazaar"){
        Count = Count + 1
    }
}
```

6406532776101. ✖

```
if(X.TotalBillAmount > Avg or X.ShopName == "BigBazaar"){
    Count = Count + 1
}
```

6406532776102. ✔

```
if(X.TotalBillAmount > Avg and X.ShopName == "BigBazaar"){
    Count = Count + 1
}
```

Sub-Section Number :	5
Sub-Section Id :	640653122908
Question Shuffling Allowed :	Yes

Question Number : 10 Question Id : 640653825581 Question Type : MSQ
Correct Marks : 5 Max. Selectable Options : 0
Question Label : Multiple Select Question

The following pseudocode is executed using the "Words" dataset. At the end of the execution, **A** represent number of sentences with average letter count less than the average letter count of dataset. Identify all such mistakes (if any). Assume that all statements not listed in the options below are free of errors. It is a Multiple Select Question (MSQ).

```
1  SumT = 0, CountT = 0, B = 0
2  while(Table 1 has more rows){
3      Read the first row X in Table 1
4      CountT = CountT + 1
5      SumT = SumT + X.LetterCount
6      Move X to Table 2
7  }
8  B = SumT / CountT
9  SumS = 0, CountS = 0, A = 0, C = 0
10 while(Table 2 has more rows){
11     Read the first row X in Table 2
12     CountS = CountS + 1
13     SumS = SumS + X.LetterCount
14     if(X.Word ends with a full stop){
15         C = SumS / CountT
16         if(C > B){
17             A = A + 1
18         }
19         SumS = 0, CountS = 0
20     }
21     Move X to Table 1
22 }
```

Options :

6406532776089. ✖ Line 8: Incorrect expression for B

6406532776090. ✔ Line 15: Incorrect expression for C

6406532776091. ✔ Line 16: Incorrect conditional statement

6406532776092. ✖ No mistake

Question Number : 11 Question Id : 640653825584 Question Type : MSQ
Correct Marks : 5 Max. Selectable Options : 0
Question Label : Multiple Select Question

Two words are said to be conjugate if they fulfill following conditions:

- They are different words.
- Number of vowels are same in both words.
- Number of consonants are different in both words.

For a row **X** in the "Words" dataset, assume that **vCount(X)** return the number of vowels in **X**.*Word*. At the end of the execution, **count** stores the number of conjugate pairs. Choose the correct code fragment(s) to complete the pseudocode. It is a Multiple Select Question (MSQ).

```
count = 0
while(Table 1 has more rows){
    Read the first row X in Table 1
    Move X to Table 2
    while(Table 1 has more rows){
        Read the first row Y in Table 1
        ******************
        * Fill the code *
        ******************
        Move Y to Table 3
    }
    Move all rows from Table 3 to Table 1
}
```

Options :

```
if(X.Word == Y.Word){
    if(X.LetterCount == Y.LetterCount){
        if(vCount(X) == vCount(Y)){
            count = count + 1
        }
    }
}
```

6406532776095. ✖

```
if(X.Word != Y.Word){
    if(X.LetterCount != Y.LetterCount){
        if(vCount(X) == vCount(Y)){
            count = count + 1
        }
    }
}
```

6406532776096. ✔

6406532776097. ✖

```
if(X.Word != Y.Word){
    if(vCount(X) == vCount(Y)){
        if(X.LetterCount - vCount(X) == Y.LetterCount - vCount(Y)){
            count = count + 1
        }
    }
}
```

```
if(X.Word != Y.Word){
    if(vCount(X) == vCount(Y)){
        if(X.LetterCount - vCount(X) != Y.LetterCount - vCount(Y)){
            count = count + 1
        }
    }
}
```

6406532776098. ✔

Sub-Section Number : 6
Sub-Section Id : 640653122909
Question Shuffling Allowed : Yes

Question Number : 12 Question Id : 640653825582 Question Type : SA
Correct Marks : 3
Question Label : Short Answer Question

Consider the procedure **mSum** as shown below.

```
Procedure mSum(A, B, C)
    Sum = 0
    if(A >= C and A >= B){
        Sum = B + C
    }
    else{
        if(B >= C and B >= A){
            Sum = A + C
        }
        else{
            Sum = A + B
        }
    }
    return(Sum)
End mSum
```

What will be the value of **mSum(4,4,2)** ?

Response Type : Numeric
Evaluation Required For SA : Yes

Show Word Count : Yes
Answers Type : Equal
Text Areas : PlainText
Possible Answers :
6

Sub-Section Number : 7
Sub-Section Id : 640653122910
Question Shuffling Allowed : Yes

Question Number : 13 Question Id : 640653825583 Question Type : SA
Correct Marks : 5
Question Label : Short Answer Question

The following pseudocode is executed using a dataset similar to the "Words" dataset, based on the following paragraph.

"Surrounded by nature, Susan often takes a stroll, savoring the soothing sounds of chirping birds. Rustlings in the trees suggest squirrels beginning their day, searching for sustenance. Surely, the beauty of a sunrise holds unparalleled magic."

```
count = 0, flag = True
while(Table 1 has more rows){
    Read the first row X in Table 1
    Move X to Table 2
    if(flag){
        if(1st letter of X.Word == 's'){
            if(2nd letter of X.Word == 'u'){
                count = count + 1
            }
        }
    }
    if(X.word ends with full stop){
        flag = False
    }
}
```

What would be the value of **count** at the end of the execution of the above pseudocode? Assume that upper case and lower case are ignored during comparison of letters.

Response Type : Numeric
Evaluation Required For SA : Yes
Show Word Count : Yes
Answers Type : Equal
Text Areas : PlainText
Possible Answers :
2

Sub-Section Number : 8
Sub-Section Id : 640653122911
Question Shuffling Allowed : Yes

Question Number : 14 Question Id : 640653825587 Question Type : MCQ
Correct Marks : 5
Question Label : Multiple Choice Question

The following pseudocode is executed using the "Scores" dataset. What will **count** represent at the end of the execution?

```
count = 0
while(Table 1 has more rows){
    Read the first row X in Table 1
    Move X to Table 2
    while(Table 1 has more rows){
        Read the first row Y in Table 1
        Move Y to Table 3
        count = count + findPair(X, Y)
    }
    Move all rows from Table 3 to Table 1
}
Procedure findPair(X, Y)
    A = False, B = False
    if(X.Gender == Y.Gender){
        A = True
    }
    if(X.CityTown == Y.CityTown){
        B = True
    }
    if((A and B) or (not A and not B)){
        return(1)
    }
    return(0)
End findPair
```

Options :

6406532776107. ✖ **count** represents the number of pairs of students having either the same gender or from the same city or both.

6406532776108. ✖ **count** represents the number of pairs of students having the same gender and from the same city.

6406532776109. ✔ **count** represents the number of student pairs who either share the same gender and come from the same city, or who share neither the same gender nor the same city.

6406532776110. ✖ **count** represents the number of pairs of students having the same gender but not from the same city.

Sem1 English1

Section Id :	64065359239
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	24
Number of Questions to be attempted :	24
Section Marks :	50
Display Number Panel :	Yes
Section Negative Marks :	0
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	No
Section Maximum Duration :	0
Section Minimum Duration :	0
Section Time In :	Minutes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	640653122912
Question Shuffling Allowed :	No

Question Number : 15 Question Id : 640653825589 Question Type : MCQ

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "FOUNDATION LEVEL : SEMESTER I : ENGLISH I (COMPUTER BASED EXAM)"

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CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406532776115. ✔ YES

6406532776116. ✖ NO

Sub-Section Number :	2
Sub-Section Id :	640653122913
Question Shuffling Allowed :	No

Question Id : 640653825590 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix

Question Numbers : (16 to 25)