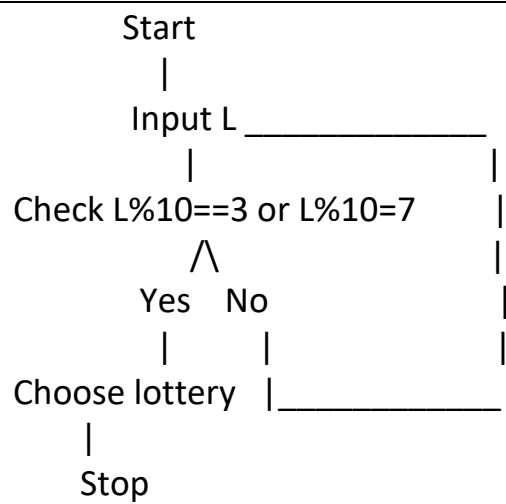


CO	Cognitive Level	Q. No.	Question	Marks
3	Create	1	Suppose Rahul wants to buy a lottery, his astrologist has suggested him to buy such a ticket whose last digit of ticket number is 3 or 7. He keeps on searching for a lottery ticket till he finds desired ticket. Write pseudocode and draw a flowchart to help Rahul to select the ticket.	5
2	Understand and Analyse	2	How a source code is converted into machine code through compilation process? Differentiate primary and secondary memory	2+2
3	Create	3	WAP to draw the pattern on the right using loops?	4
3	Evaluate	4	<p>Determine Output assuming there is no syntactical error.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>A.</p> <pre>#include &lt;stdio.h&gt; void main() {     printf("Computers\bScience %.2f",25.6347); }</pre> </div> <div style="width: 45%;"> <p>B.</p> <pre>#include &lt;stdio.h&gt; void main() {     int i=4,j;     for(;i&lt;=8;)     {         for(j=12;j&gt;=5;)         {             j--;         }         i++;     }     printf("%d--%d",i,j); }</pre> </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>C.</p> <pre>#include &lt;stdio.h&gt; void main() {     int i='A',j,k;     j=++i;     printf("%c\n",j);     k=j--;     printf("%d\t%c\n",i,k);     i--k;     printf("%d\t%d\t%d\t%d",i,j,k,++k); }</pre> </div> </div>	2+2+3

Solutions:

### 1. Flowchart



### Pseudocode

```
Start
1. Input lottery number L
2. Check if L%10 is either 3 or 7
3. If yes then choose lottery ticket and stop
4. If not then repeat step no. 1 for another lottery ticket
```

### 2. Compilation process flowchart, differences

3.

```
#include <stdio.h>
void main()
{
    int i,j;
    for(i=1;i<=3;i++)
    {
        for(j=1;j<=i;j++)
        {
            printf("(2*%d=%d)\t",j,2*j);
        }
        printf("\n");
    }
}
```

4.

A. ComputerScience 25.63

B. 9--4

C.

B

66    B

65    65    66    66