**TASK A:**  **[10]**

 In this task you are required to create a Make Code program using micro bit by following the below instructions:

1. Go to variable block and create a variable called **number**. [1]
2. Go to variable block and pick **set number to 0** and pick **random number** from maths block and join them together with on **shake** block from input. [2]
3. Set random number value from **1 to 5.** [1]
4. Using **forever** block, **if number = 1** then show string **‘Q’.** [1]
5. If **number = 2** then show string **‘A’.** [1]
6. If **number = 3** then show string **‘T’.** [1]
7. If **number = 4** then show string **‘A’.** [1]
8. If **number = 5** then show string **‘R’.** [1]
9. Run and test your program. [1]

**TASK B: [15]**

 In this task you are required to create a Make Code program using micro bit by following the below instructions:

1. Go to variable block and create variables namely **Number 1 ,** **Number 2** and **Total.** [2]
2. Set **number 1** , **number 2** and **total to 0** and join it with on start block. [2]
3. On **button A pressed**, pick **change number 1 by 1** from variable block and show the number on LED. [3]
4. On **button B pressed**, pick **change number 2 by 1** from variable block and show the number on LED. [3]
5. On **button A+B is pressed,** calculate the total by joining the s**et total to** and **+ operator** from math block and show the **total** on LED screen by show

total. [3]

1. Set **total, number 1 and number 2 to 0** and join it with **on shake** from input block. [1]
2. Run and test your program. [1]