**ODD 2020**

**Tutorial Sheet - 5**

**Software Development Fundamentals – I (15B11CI111)**

| **Course Outcomes (CO)** | |
| --- | --- |
| **CO1** | Explain various phases of software development life cycle |
| **CO2** | Explain various data types, memory allocation schemes, precedence of arithmetical and logical operations, and need of array, and structures |
| **CO3** | Draw the flow chart and write the high level code for different problems |
| **CO4** | Apply and implement functions with or without pointers for different problems |
| **CO5** | Demonstrate and implement various operations like traverse, insertion, deletion, *etc.* on files |

**Note: Students are advised to submit their solutions to their respective tutorial faculties**

Q1. What will be the output of the C program, if input is **6**?

#include<stdio.h>

int main()

{

int i;

for(i = 0; i>9; i+=3)

{

printf("for ");

}

return 0;

}

**Q2.** What will be the output of the C program by considering 'b' as a User input?

#include<stdio.h>

int main()

{

int i = 1, j = 1;

for(--i && j++ ; i<10; i+=2)

{

printf("loop ");

}

return 0;

}

**Q3.** What will be the output of the C program?

#include<stdio.h>

int main()

{

for(5;2;2)

printf("Hello");

return 0;

}

**Q4.** What will be the output of the C program?

#include<stdio.h>

int main()

{

   int n;

   for (n = 9; n!=0; n--)

     printf("n = %d", n--);

   return 0;

}

**Q5.** What will be the output of the C program?

#include <stdio.h>

int main()

{

    int c = 5, no = 10;

    do {

        no /= c;

    } while(c--);

    printf ("%dn", no);

    return 0;

}

**Q6: Write C programs to print following patterns:**

**.**







