**HOLIDAY HOME WORK CLASS XI**

**AUTUMN BREAK**

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| 1. Convert binary number 101010 to decimal. 2. Convert the following: 3. 11011110101110­2  to hexadecimal 4. FACE16to binary 5. EB4A16 to decimal 6. B2F16to Octal 7. 36748to binary 8. (125.625)10  to binary |
| 1. Convert binary number 11011110101110 to Hexadecimal. 2. Complete the sequence of following octal numbers: 525, 526, 527, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_. 3. Convert binary number 11111011110101 to octal. 4. ADD the binary numbers 110101 AND 1011111 5. Predict the output and explain the reason behind output of every statement :   5<5 or 10  5<10 or 5  5<(10 or 5)   1. What will be the output of the following code?   x, y=2, 6  x, y=y, x+2  print(x, y)   1. What will be the output of the following:   *num =8795*  *tnum= num*  *x=0*  *while tnum :*  *d= tnum %10*  *tnum= tnum /10*  *x= x \* 10 + d*  *print (x)*   1. Write a program in python to print the following pattern :   1  11  111  1111  11111  11. Write a program in python to print the largest among three numbers .  12. Write a program that reads a string and checks whether it is a palindrome string or not.  13.Write a program to find sum of the series: s=1+x +x2+ x3+……xn |
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