



# HAPPY HOLIDAYS



## CLASS XI COMPUTER SCIENCE HOLIDAYS HOMEWORK



1. Use **draw.io** to create following flowcharts:-
  - a. Input radius of a circle and calculate the area.
  - b. Input two numbers and exchange their values.
  - c. Accepts the marks of five subjects of a student and display the average marks.
  - d. Input Principal, Rate of Interest and Time (in years) and calculate Compound Interest.
  - e. Input a number and display whether a number is even or odd.
  - f. Input three numbers and display the largest number.
  - g. Input a natural number and calculate its factorial.



2. Convert the following(Do it in class register):

- a.  $(CAFE)_{16} = ( ? )_2$
- b.  $(1010111100)_2 = ( ? )_8$
- c.  $(435)_8 = ( ? )_{10}$
- d.  $(90.75)_{10} = ( ? )_{16}$
- e.  $(10000111)_2 = ( ? )_{16}$

3. .HTM file of Crossword puzzle will be e-mailed to you. After completing the puzzle send the screenshot.

