Name: Roll:___   Date:

Subject: Programming Fundamentals and Object-Oriented Concepts   Class Test 1
Time: 1 hour   Option A   Marks: 30

1. State True/False along with justification in each case :-   (3 x 3)
    A. C is a procedural programming language.
    B. The function main() is an user-defined function.
    C. A function is called recursive if it uses the stack.

2. State how the programming construct pairs are related in each case:- (3 x 2)
    A. Function prototypes ⇔ Pre-processing directives.
    B. Data Hiding ⇔ Private access protection.

3. Write C-program codes which assume a text file containing comma separated item-names and:-
    1) Picks up a random name from it (Say, "Ape" from within the stock of names),
    2) Then forms a linked-list structure in memory [eg. Ape->Eel->Lemur...& so on],
    3) And lastly preserves the list along with its word count in a binary file for later uses.   (15)