



Digital Assignment

1. Make a study on DNA cryptography
 - a. Definition of DNA Cryptography
 - b. Objective of DNA Cryptography
 - c. Explain the following DNA based Encryption Techniques
 - i. DNA random One Time Pad Based
 - ii. DNA chip-based cryptography
 - iii. DNA Fragmentation
 - iv. DNA Steganography
 - d. Compare any two of the above mentioned encryption technique.

2. In AES algorithm , let the key be

87	F2	4D	97
EC	6E	4C	90
4A	C3	46	E7
8C	D8	95	A6

Here each column is represented as a word (W_0, W_1, W_2, W_3). Show the step by step process to compute the word W_4 .