

Security Package Delivery Check List and Points Distribution

Requirement		Comments		Points
Individual Mark		Must show up and answer question and points are given according the quality of the answer		5
Mandatory Algorithms	1	General Ceaser. [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
	2	Monoalphabetic. [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
	3	Autokey vigenere. [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
	4	Repeating key Vigenere. [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
	5	PlayFair. [4+]	- Encryption [2] - Decryption [2] - Cryptanalysis [Bonus (5)]	4+
	6	Hill Cipher. [5]	- Encryption [2] - Decryption [2] - Cryptanalysis [1]	5
	7	Rail Fence of depth Level n. [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
	8	Columnar [3]	- Encryption [1] - Decryption [1] - Cryptanalysis [1]	3
Choose one	9	DES. [10] And 3-DES [4]	- DES Encryption [5] - DES Decryption [5] - 3DES Encryption [2] - 3DES Decryption [2]	14
	10	Multiplicative Inverse using Extended Euclid's. [2]	- Multiplicative Inverse using Extended Euclid's	2
		AES. [12]	- Encryption [6] - Decryption [6]	12
Mandatory Algorithms	11	RC4. [5]	- Encryption [2] - Decryption [2]	4
Choose one	12	RSA. [5]	- Public and Private key generation [3] - Encryption/Decryption (power factorization) [2]	5
	13	Diffie-Hellman key exchange. [5]		5
Bonus	14	MD5 [5]		+5
UI and Clean Code [Bonus]		Linking the DLL to interactive UI [5], Clean Code [5] (grade based on quality)		+10
Total Points				50+