

## GUIDELINES FOR MID PAPER

1. For each student, there is a sentence given and you have to apply the following 3 codes on each your own sentence; and convert into ciphertext. 10 marks for each code.
2. You have 5 days for this activity
3. Apply the following 3 codes:
  - (a) Monoalphabetic Cipher
  - (b) Playfair Cipher
  - (c) Vigenere Cipher
4. Step by step process should be mentioned when performing the activity.
5. Convert the word file into pdf and then upload it, no need of zipping here.

- **Test 1 for Javed**

- *The sections on quantum cryptography, quantum properties of squeezed light, and experimental efforts to measure gravitational waves provide adequate introduction to these exciting applications of quantum optics.*

- **Test 2 for Jamil**

- *The implementation of a public key cryptography package needs to ensure that the random number object used in the generation of key pairs cannot be accessed by clients of the package.*

- **Test 3 for Noreen**

- *Components for these systems are now commercially available, and it seems very likely that quantum cryptography will be an important technology long before quantum computers of useful size are constructed.*

- **Test 4 for Sanaullah**

- *In contrast to symmetric cryptosystems, public key cryptography is a form of cryptography which generally allows users to communicate securely without having prior access to a shared secret key.*

- **Test 5 for Arshia**

- *Within those developments, we must ensure confidentiality and integrity in transactions, and the new science of cryptography—using secret codes to keep messages secure—will be vital.*

- **Test 6 for Yasir Rasheed**

- *The projects studied: the design and analysis of encryption algorithms, real-time compression and encryption of information in multi-media network, formal analysis of cryptographic protocols and finite automation cryptography.*