

**ELECTRONICS AND COMMUNICATION ENGINEERING
&
COMMUNICATION AND INFORMATION SYSTEMS
PGQP08 (vi & vii)**

1. Mathematics and Programming Language

- a) Engineering Mathematics
- b) Basic programming Language: C & C+

2. Electronics

- a) Analog Electronics
- b) Digital Electronics

3. Signal Processing

- a) Signals and Systems
- b) Digital Signal Processing
- c) Digital Image Processing

4. Network Theory

- a) Circuit Theory
- b) Network Analysis

5. Electromagnetic

- a) Electromagnetic Theory
- b) Transmission lines and Waveguides
- c) Antennas

6. Communication

- a) Analog Communication
- b) Digital Communication

7. **Integrated Circuits**

- a) Linear Integrated Circuits
- b) Microprocessor
- c) Microcontroller
- d) Basic VLSI

8. **Advanced Communication**

- a) Microwave
- b) Optical
- c) Satellite and Radar
- d) Mobile
- e) Computer Communication and Networks