

# QUAID-I-AZAM UNIVERSITY

(Department of Electronics)

## MPhil/PhD Admission Test Sample Test Paper

**40 Multiple Choice Questions from basic BS/BE/MSc Electronics curriculum.**

- Q1). Coulomb is the unit of
- Field strength
  - Charge
  - Permittivity
  - Force
- Q2). The method by which objects of one class get the properties of objects of another class is known as
- Inheritance
  - Abstraction
  - Encapsulation
  - Polymorphism
- Q3). As the spacing between plates in a capacitor is made smaller, all other things being equal:
- The capacitance increases
  - The capacitance decreases
  - The capacitance does not change
  - The voltage-handling ability increases
- Q4). The output is in phase with the input in a
- common-base configuration
  - common-emitter configuration
  - common-collector configuration
  - More than one of the above
- Q5). Output of a Linear Time Invariant (LTI) system can be determined by evaluating the
- Additive operation
  - Multiplication operation
  - Division operation
  - Convolution operation
- Q6). The Fourier Series expansion of signals is valid for the class of
- Periodic signals
  - Absolutely summable signals
  - Aperiodic signals
  - Bandlimited signals
- Q7). An angle of 1 radians is equal to
- 180 degrees
  - $\pi/180$  degrees
  - $180/\pi$  degrees
  - $\pi$  degrees