1. Inclined plane method is used to study
   (a) Tracking and erosion resistance of glass insulator
   (b) Corrosion and erosion resistance of ceramic insulator
   (c) Tracking and erosion resistance of polymeric insulator
   (d) Tracking and Corrosion resistance of ceramic, glass and polymeric insulator
   Answer: c) Tracking and erosion resistance of polymeric insulator

2. Rotating wheel and dip facility is used to study aging performance on
   (a) Ceramic and Composite Insulators
   (b) **Composite Insulators**
   (c) Glass and Composite Insulators
   (d) Ceramic, glass and Polymeric Insulators
   Answer: b) Composite Insulators

3. In polymer insulator ageing experimentation, Multiple stresses consists of
   (a) Current, Voltage, humidity, temperature, UV, saltfog, rain
   (b) Frequency, humidity, temperature, UV, saltfog, rain
   (c) Current, humidity, temperature, UV, saltfog, rain
   (d) **Voltage, humidity, temperature, UV, saltfog, rain**
   Answer: d) Voltage, humidity, temperature, UV, saltfog, rain

4. A conductor is a material which allows
   (a) Electric power to pass through it
   (b) Voltage to pass through it
   (c) **Electric current to pass through it**
   (d) Electric current and voltage to pass through it
   Answer: c) Electric current to pass through it

5. ACSR is
   (a) Aluminum conductor steel reinforced
   (b) Aluminum composite steel reinforced
   (c) Aluminum conductor steel resistance
   (d) Aluminum compound steel reinforced
   Answer: a) Aluminum conductor steel reinforced
6. Major types of conductors used for overhead transmission are
   (a) AAC, ACSR, AAAC and AAAR
   (b) AAC, ASSR, AAAC and ACAR
   (c) AAA, ACSR, AAAC and ACAR
   (d) AAC, ACSR, AAAC and ACAR
   Answer: d) AAC, ACSR, AAAC and ACAR

7. Diameter of Bersimis and Lapwing conductor are
   (a) 32.05mm & 38.2mm
   (b) **35.05mm & 38.2mm**
   (c) 35.05mm & 39.2mm
   (d) 30.05mm & 38.2mm
   Answer: b) 35.05mm & 38.2mm

8. A conductor bundle is defined as:
   (a) Combination of more than one conductor per phase spaced from each other
   (b) Only one conductor per phase spaced from each other
   (c) More than one conductor per phase spaced differently from each other
   (d) Combination of minimum of four conductor per phase spaced from each other
   Answer: a) Combination of more than one conductor per phase spaced from each other

9. An individual conductor in a bundle conductor is defined as
   (a) Mini bundle conductor
   (b) Super-conductor
   (c) **Sub-conductor**
   (d) Individual conductor
   Answer: c) Sub-conductor

10. Parameters for conductor bundle selection methodology include:
    (a) Corona, RI, TVI, AN, Electric field, losses, flashover etc
    (b) Corona, RI, AN, Electric field, pollution, thermal etc
    (c) Insulation, Corona, Electric field, Magnetic field, thermal, cost etc
    (d) **Insulation, Corona, RI, AN, Electric field, losses, thermal, clearances etc**
    Answer: d) Insulation, Corona, RI, AN, Electric field, losses, thermal, clearances etc