

## B. D. COLLEGE OF ENGINEERING, SEVAGRAM

### Department of Electrical Engineering

#### Quiz – I

#### Subject: (Elective-II) EHVAC & HVDC Power Transmission System

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- 1) By increasing the transmission voltage double of its original value, the same power can be despatched keeping the line loss
  - a) Equal to its original value
  - b) Half of original value
  - c) Double the original value
  - d) **One-fourth of original value**
- 2) which of the following distribution systems is preferred for good efficiency and high economy
  - a) Single-phase, 2-wire system
  - b) 2-ph, 3-wire system
  - c) **3-ph, 3-wire system**
  - d) 3-ph, 4-wire system
- 3) The main reason for using high voltage for long distance power transmission is
  - a) **Reduction in transmission losses**
  - b) Reduction in time of transmission
  - c) Increase in system reliability
  - d) None of the above
- 4) The highest transmission voltage used in India is
  - a) 400 kv
  - b) 220 kv
  - c) 132 kv
  - d) **765 kv**
- 5) Corona loss in a transmission line is dependent on
  - a) **Diameter of a conductor**
  - b) Material of the conductor
  - c) Height of the conductor
- 6) Corona is
  - a) Partial breakdown of air
  - b) **Complete breakdown of air**
  - c) Sparking between lines
- 7) With bundled conductors
  - a) The corona inception voltage increases
  - b) **The corona inception voltage decreases**
  - c) The corona inception voltage remain unaffected
- 8) Extra high voltage transmission means
  - a) Voltage less than 400kv
  - b) **Voltage in the range of 400-750kv**
  - c) Voltage grater than 750
- 9) Bundled conductors are used for EHV transmission lines primarily for reducing the
  - a) **Corona loss**
  - b) Surge impedence
  - c) Voltage drop across the line
  - d) None of the above
- 10) ACSR conductors have
  - a) All conductors made of aluminium
  - b) **Outer conductors made of aluminium**
  - c) Inner conductors made of aluminium
  - d) No conductors made of aluminium