

APJ Abdul Kalam Technological University
Third Semester M. Tech Degree Examination, December 2016
Cluster: Kollam
Branch: Electrical and Electronics Engineering
Specialisation: Power Systems
Subject: 02EE7221.1 EHVAC AND DC TRANSMISSION
SYSTEM

Time: 3 Hrs

Max. Marks: 60

Instructions: *Answer All Questions from Part A.*
 Answer Two Full questions from Part B.

PART A

1. *List the different types of Corona loss formula.*
2. *With neat block diagram explain the measuring circuit for Audible Noise.*
3. *Explain the phenomenon of overvoltages caused by interruption of low inductive and capacitive current.*
4. *Explain the working of digital recorder and the measurement of partial discharges.*

(4 x 9=36)

PART B

5. (a) *With a neat diagram explain the different components of a HVDC transmission system. (8)*
(b) *With neat diagrams explain the different types of HVDC links. (4)*
6. (a) *Write short notes on different types of AC filters, carrier frequency and RI noise.(6)*
(b) *Write short notes on DC filters. (6)*
7. (a) *Write short notes on planning for HVDC Transmission. (6)*
(b) *Write the design of a single tuned filter. (6)*

(2 x 12=24)
