

DEPARTMENT OF ELECTRICAL ENGINEERING
INTERNAL ASSESSMENT, SESSION 22-23(S)
TH- 4, GENERATION TRANSMISSION & DISTRIBUTION
4TH SEMESTER **F.M=20 TIME- 1 Hr**

Answer **ALL** questions

[2X5=10]

1. A) State KELVIN'S LAW for most economic choice of conductor size.
B) defined critical disruptive voltage?
C) Defined ACSR conductor?
D) Defined voltage regulation of a transmission line?
F) Defined sag in a transmission line?

Answer **any two** questions

[5X2 =10]

2. Defined corona in an overhead transmission line? Explain the factors affecting corona.
- 3 An overhead line has a span of 150m between level support the weight of the conductor 1.78kg /m & working tension is 2000kg. The wind pressure is 1.5kg / m. find the slant sag & vertical sag.
4. Write short notes on Hydro Power Plant?