

1st external examination
Utilization of Electrical Energy & Traction,
5th Semester Diploma
Electrical Engineering.

Full marks - 20

- 1 Answer all the questions.
 - (a) which type of AC motor is used for control of speed operation?
 - (b) state the advantages of electric heating.
 - (c) what are the uses of synchronous motor?
 - (d) write the name of solution used for gold plating?
 - (e) what is the formula of candle power?
- (2) state and explain Faraday's laws of electrolysis.
- (3) state and explain Stephen's law of radiation heating?

2nd internal Examination
Utilization of Electrical Energy & Traction
5th Semester Diploma,
Electrical Engineering

Full marks - 20

1. Answer all the questions.

- (a) Define MHCP
- (b) Define brightness
- (c) Define Lumen
- (d) Define radiant energy
- (e) Define luminous flux.

2. A lamp of 400 CP mounted at a height of 3m from the centre of a table $3m \times 3m$. Find the maximum and minimum illumination.

3. Explain magnetic breaking with sketch