

Cork Institute of Technology
Bachelor of Engineering in Building Services Engineering
(National Diploma in Engineering in Building Services Engineering)

(NFQ – Level 7)

Summer 2005

Electrotechnology – Paper 1

(Time: 3 Hours)

Instructions

Answer FIVE Questions

All Questions carry equal marks.

Examiners: Mr. S. Beljevic
Dr. N. J. Hewitt
Mr. T. Dunne

- Q1. (a) Using a sketch outline the theory in relation to charge separation in the storm cloud.
(6 marks)
- (b) Explain what is meant by the term rolling sphere and why is it important when designing lightning protection system?
(8 marks)
- (c) Outline and explain the most important factors taken into consideration for the lightning protection?
(6 marks)
- Q2. Relative to the protective relay:
- (a) Name four general function of a relay.
(4 marks)
- (b) Name at least five incoming signal to a relay.
(4 marks)
- (c) Name four basic requirements that must be taken into account when designing the protection system, and briefly explain each of them.
(8 marks)
- (d) Name at least four principals that must be taken into account when designing the protective relays.
(4 marks)

Electrotechnology Question Paper 2march 24

B Lingard



Electrotechnology Question Paper 2march 24:

Unveiling the Magic of Words: A Overview of "**Electrotechnology Question Paper 2march 24**"

In a world defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**Electrotechnology Question Paper 2march 24**," a mesmerizing literary masterpiece penned with a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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