

**OFFICER IN CHARGE OF AN ENGINEERING WATCH
(750KW OR MORE)
PHASE I – FINAL EXAMINATION - BATCH 05
(ELECTROTECHNOLOGY)
(TOTAL MARKS 100 - PASS MARK 50%)**

- ◆ Neatness in handwriting and clarity in expression, Illustration of an answer with clear sketches/diagrams carries full marks.
- ◆ Electronic devices capable of storing and retrieving data are not allowed

Answer 5 Questions (3 from A & 2 from B)

Duration: 3.0 Hours

Date: SEPT- 2020

SECTION A

1. With reference to safety in Electrical Generation

- a. Describe Synchronising of generators (04 marks)
- b. What are the key parametres monitored during the 'Synchronising procedure' (04 marks)
- c. Briefly explain the synchronizing procedure (12 marks)

(Total 20 marks)

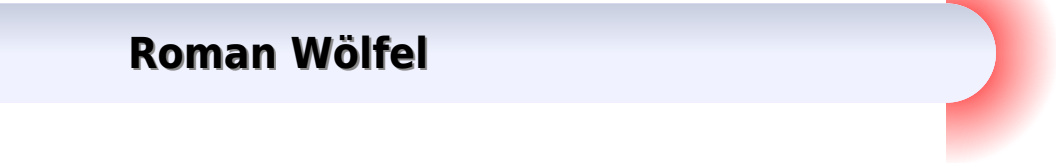
2. With reference to generators

- a. Explain why space heaters are fitted inside the generators (04 marks)
- b. What are the main components of AVR (06 marks)
- c. sketch a block diagram of AVR (10 marks)

(Total 20 marks)

2011 November Electrotechnology Question Paper Memorandum

Roman Wölfel



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