

GOTT SERIES (CBT) – BASIC ELECTRICAL AND ELECTRONIC

Model Number : GOTT-EE101-M07

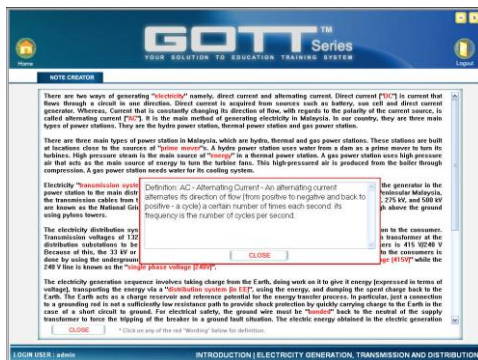


DESCRIPTION

EE101 course module is about the fundamentals of Electrical and Electronic Engineering, for example, DC, AC, Electromagnetism and etc. In order to ease down the referencing resources in this course module; it is incorporated with some features like, Search, Book Mark, Note Creator and Vocabulary Pronunciation Assistant. Below is the list of the 9 chapters covered in this course module with its associated sub-topics:-



GOTT SERIES : COMPUTER BASED TRAINING SYSTEM (CBT) – BASIC ELECTRICAL AND ELECTRONIC



Summary



Topics Content



Bookmark



Evaluation Test

GOTT SERIES (CBT) – BASIC ELECTRICAL AND ELECTRONIC

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Below is the list of the chapters covered in this course module with its associated sub-topics:-

CHAPTERS	
INTRODUCTION	
Sub-Topics :	Importance of and need for Electricity in Daily Life Other Forms of Energy Converted from Electricity Electrical Energy Resources Generation, Transmission and Distribution of Electricity Consumer Circuit
SAFETY	
Sub-Topics :	Introduction Safety Rules Effects of Electrical Accidents First Aids
DIRECT CURRENT CIRCUIT (DC)	
Sub-Topics :	Introduction Quantities and Units Electrical Measuring Instruments Resistor Ohm's Law Kirchhoff's Law Resistor in DC Circuit Procedure to Connect Ammeter and Voltmeter in a DC Circuit
ALTERNATING CURRENT CIRCUIT (AC)	
Sub-Topics :	Introduction AC Waveforms Capacitor Inductor Types of AC Circuit
ELECTROMAGNETISM	
Sub-Topics :	Introduction Magnetic Effect Principle of Electromagnetism Applications of The Principle of Electromagnetism

CHAPTERS	
TRANSFORMER	
Sub-Topics :	Introduction Basic Construction of a Transformer Basic Operations of a Transformer Loss and Efficiency for Transformers Application of a Power Transformer
SEMICONDUCTOR	
Sub-Topics :	Introduction Classification of Materials Types of Semiconductor Current Flow in Semiconductor
DIODE	
Sub-Topics :	Introduction The Construction and Symbol of a Diode The Diode Operation Diode I-V Characteristic Curve Basic Diode Circuit Diode Application
BIPOLARTRANSISTOR	
Sub-Topics :	Introduction Construction and Symbol of Transistor Transistor Configuration Biasing Requirement for Transistor Operation Transistor Operation for Common-Emitter Configuration I-V Characteristic Curve for the Common-Emitter Configuration Direct Current (DC) Biasing Transistor Applications Operational Amplifier

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
(CBT) BASIC ELECTRONIC AND ELECTRONIC	GOTT-EE101-M07	820-207

* Proposed design only, subject to changes without any notice.