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Module 4 titled Electronic Fundamentals provides aircraft maintenance technicians with a foundational understanding of electronic principles and components. This knowledge is essential for working on the intricate electronic systems that modern aircraft are equipped with. DGCA AME Module 4 is all about electronic fundamentals. Here you will have 3 submodules and for CAT B1 it's mostly level 1 with diode level 2 and for B2 it's all level 2 and for B3 it's level 1 only. Mod 4 category wise marks this module is mandatory for category B1, B2, and B3 candidates for CAT A. Not applicable advertisement. View all attempt result feedback. AME DGCA Module 04 B1 Electronic Fundamental. This document contains questions about semiconductors, diodes, transistors, integrated circuits, and servomechanisms. It includes 386 multiple choice questions across these topics with explanations provided for some answers. Reverse leakage current when a diode is reverse biased, a small current called reverse leakage current flows. The reverse current of silicon diodes is much smaller than that of germanium diodes. The value of this current increases with an increase in diode temperature. Module 4 Electronic Fundamentals 4.1 Semiconductors 4.1.1 A Diode Symbols, Diode Characteristics and Properties, Diodes in Series and Parallel, Main Characteristics and Use of Silicon Controlled Rectifiers, Thyristors, Light Emitting Diode, Photoconductive Diode, Varistor, Rectifier Diodes, Functional Testing of Diodes. Electronic Fundamentals strictly matches the requirements of part 66 including its content sequence and the required learning levels 1, 2, or 3 needed for an approved B2 Avionics Maintenance Technician program. Electronic Fundamentals strictly matches the requirements of part 66 including its content sequence and the required learning levels 1, 2, or 3 needed for an approved B1 Mechanic Maintenance Technician program. Module 4 Electronic Fundamentals to book this part 66 course simply select the relevant licence category below then choose a date that suits you. Scroll down for information about the course content, price, module length, and delivery method. Please note there is no training on weekends. This document contains 32 multiple choice questions about electronic fundamentals specifically focusing on semiconductors and diodes. The questions cover topics such as the characteristics of different types of diodes like LEDs, Zener diodes, and junction diodes. Note that the required learning levels for the B2 Avionics edition of this book differ from this B1 Mechanical edition with the B2 edition being the more advanced. Each topic is explained with understandable text and exceptional full color illustrations in step by step detail. Understanding of the following terms: open and closed loop systems, feedback, follow up, analogue transducers, principles of operation and use of the following synchro system components: features, resolvers, differential control, and torque transformers, inductance and capacitance transmitters. EASA part 66 module 4 Electronic Fundamentals is subject related to electrical systems of an aircraft. Here we have listed down the syllabus. Module 4 Electronic Fundamentals for EASA part 66 licence category B1. Publisher TTS Integrated Training System 2009. Export citation: BibTeX, EndNote, RefMan. This document provides an overview of electronic fundamentals including: 1. Semiconductor materials like silicon and germanium which can be doped to create p type and n type materials used in diodes and transistors. 2. Diode rectifiers which convert AC to DC like half wave, full wave, and bridge rectifiers. Module 4 covers electronic fundamentals including: semiconductors, diodes, transistors, IC, printed circuit boards, PCB, servomechanisms, principles of synchronous operation. in cucina con le erbe selvatiche ortica papavero tarassaco borragine per realizzare piatti freschi secondo stagione

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