# Basic Digital Electronics Objective Questions With Answers

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In this 2020 Digital electronics interview questions and answers. These Digital electronics interview questions are divided into two parts are as follows: Part 1 – Digital Electronics Interview Questions (Basic) This first part covers basic Interview Questions and Answers. Q1.What is the difference between Latch and Flip-flop? Answer:

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Digital Electronics Interview Questions A list of top frequently asked Digital Electronics Interview Questions and answers are given below. 1) What is the difference between Latch And Flip-flop? The difference between latches and Flip-flop is that the latches are level triggered and flip-flops are edge triggered.

~~Top 39 Digital Electronics Interview Questions - javatpoint~~
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Objectives • At the end of the course you should – Be able to design and construct simple digital electronic systems – Be able to understand and apply Boolean logic and algebra – a core competence in Computer Science – Be able to understand and build state machines

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MCQs of Basic Electronics 50 Questions. Basic Electronics questions and answers with explanation for interview, competitive examination and entrance test.. For ANS 1=A, 2=B, 3=C, 4=D. 1. A resistor with colour bands: red-red-red-gold, has the value: 22k 5%; 2k2 5%

~~MCQs of Basic Electronics, 50 Questions~~
Question 20 : A P_N junction diode conducts: Option-1 : more current in one direction and this current in the opposite direction : Option-2 : equal currents in both direction: Option-3 : no currents in either direction: Option-4 : more current on one direction and almost zero current in the opposite direction

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Basic level question to test your skills on electronics, keep calm and join the basic electronics quiz

~~Basic Electronics Quiz 1 - Theorycircuit~~
Here you can find Digital Electronics interview questions with answers and explanation. Why Digital Electronics? In this section you can learn and practice Digital Electronics (Questions with Answers) to improve your skills in order to face the interview, competitive examination and various entrance test (CAT, GATE, GRE, MAT, Bank Exam, Railway Exam etc.) with full confidence.

~~Digital Electronics Questions and Answers~~
To make it easy for you guys, I've collected a few basic electronics questions from different topics and organized them into different sections. Initially, I'll be concentrating majorly on multiple choice type questions and in the future I'll add the explanations and some short answer type questions.

~~Basic Electronics Questions for Interviews and Answers~~
Short Questions 1. Define Gates. 2. List out the basic gates. 3. Define AND Gate. 4. What do you mean by logic circuit? 5. How to obtain dual of a given expression. 6. What do you mean by truth table? 7. Define variable. 8. What is Redundancy Law? 9. Define complement. 10. List out the Postulates. 11. What is the method of perfect induction? 12. Define OR Gate. 13.

~~Department of Computer Science & Technology~~
GATE ECE Digital Circuits's Number System and Code Convertions, Boolean Algebra, Logic Gates, Combinational Circuits, Sequential Circuits, Semiconductor Memories, Logic Families, Analog to Digital and Digital to Analog Converters Previous Years Questions subject wise, chapter wise and year wise with full detailed solutions provider ExamSIDE.Com

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"Digital Electronics Multiple Choice Questions and Answers" pdf to download is a revision guide with a collection of trivia quiz questions and answers pdf on topics: Analog to digital converters, BICMOS digital circuits, bipolar junction transistors, BJT advanced technology dynamic switching, BJT digital circuits, CMOS inverters, CMOS logic gates circuits, digital logic gates, dynamic logic circuits, emitter coupled logic (ECL), encoders and decoders, gallium arsenide digital circuits, introduction to digital electronics, latches & flip flops, MOS digital circuits, multivibrators circuits, number systems, pass transistor logic circuits, pseudo NMOS logic circuits, random access memory cells, read only memory rom, semiconductor memories, sense amplifiers and address decoders, spice simulator, transistor transistor logic (TTL) to enhance teaching and learning. Digital Electronics Quiz Questions and Answers pdf also covers the syllabus of many competitive papers for admission exams of different universities from electronics engineering textbooks on chapters: Analog to Digital Converters MCQs: 17 Multiple Choice Questions. BICMOS Digital Circuits MCQs: 31 Multiple Choice Questions. Bipolar Junction Transistors MCQs: 139 Multiple Choice Questions. BJT Advanced Technology Dynamic Switching MCQs: 26 Multiple Choice Questions. BJT Digital Circuits MCQs: 32 Multiple Choice Questions. CMOS Inverters MCQs: 55 Multiple Choice Questions. CMOS Logic Gates Circuits MCQs: 51 Multiple Choice Questions. Digital Logic Gates MCQs: 37 Multiple Choice Questions. Dynamic Logic Circuits MCQs: 34 Multiple Choice Questions. Emitter Coupled Logic (ECL) MCQs: 63 Multiple Choice Questions. Encoders and Decoders MCQs: 33 Multiple Choice Questions. Gallium Arsenide Digital Circuits MCQs: 69 Multiple Choice Questions. Introduction to Digital Electronics MCQs: 127 Multiple Choice Questions. Latches & Flip Flops MCQs: 81 Multiple Choice Questions. MOS Digital Circuits MCQs: 40 Multiple Choice Questions. Multivibrators Circuits MCQs: 24 Multiple Choice Questions. Number Systems MCQs: 48 Multiple Choice Questions. Pass Transistor Logic Circuits MCQs: 24 Multiple Choice Questions. Pseudo NMOS Logic Circuits MCQs: 44 Multiple Choice Questions. Random Access Memory Cells MCQs: 37 Multiple Choice Questions. Read Only Memory ROM MCQs: 149 Multiple Choice Questions. Semiconductor Memories MCQs: 42 Multiple Choice Questions. Sense Amplifiers and Address Decoders MCQs: 51 Multiple Choice Questions. SPICE Simulator MCQs: 29 Multiple Choice Questions. Transistor Transistor Logic (TTL) MCQs: 117 Multiple Choice Questions. "Analog to Digital Converters MCQs" pdf covers quiz questions about analog to digital converter, digital to analog converter, and seven segment display. "BICMOS Digital Circuits MCQs" pdf covers quiz questions about introduction to BICMOS, BICMOS inverter, and dynamic operation. "Bipolar Junction Transistors MCQs" pdf covers quiz questions about basic transistor operation, collector characteristic curves, current & voltage analysis, DC load line, derating PD maximum, maximum transistor rating, transistor as amplifier, transistor characteristics & parameters, transistor regions, transistor structure, transistors, and switches. "BJT Advanced Technology Dynamic Switching MCQs" pdf covers quiz questions about saturating & non-saturating logic, and transistor switching times. "BJT Digital Circuits MCQs" pdf covers quiz questions about BJT inverters, Diode Transistor Logic (DTL), Resistor Transistor Logic (RTL), and RTL SR flip flop. "CMOS Inverters MCQs" pdf covers quiz questions about circuit structure, CMOS dynamic operation, CMOS dynamic power dissipation, CMOS noise margin, and CMOS static operation. 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"Emitter Coupled Logic (ECL) MCQs" pdf covers quiz questions about basic gate circuit, ECL basic principle, ECL families, ECL manufacturer specification, electronics and speed, electronics: power dissipation, fan out, signal transmission, thermal effect, wired capability. "Encoders and Decoders MCQs" pdf covers quiz questions about counter, decoder applications, decoder basics, decoding and encoding, encoder applications, encoder basics. "Gallium Arsenide Digital Circuits MCQs" pdf covers quiz questions about buffered FET logic, DCFL disadvantages, GAAS DCFL basics, gallium arsenide basics, logic gates using mesfets, mesfets basics, mesfets functional architecture, RTL vs DCFL, schottky diode FET logic. "Introduction to Digital Electronics MCQs" pdf covers quiz questions about combinational & sequential logic circuits, construction, digital & analog signal, digital circuits history, digital electronics basics, digital electronics concepts, digital electronics design, digital electronics fundamentals, electronic gates, FIFO & LIFO, history of digital electronics, properties, register transfer systems, RS 232, RS 233, serial communication introduction, structure of digital system, synchronous & asynchronous sequential systems. "Latches & Flip Flops MCQs" pdf covers quiz questions about CMOS implementation of SR flip flops, combinational & sequential circuits, combinational & sequential logic circuits, d flip flop circuits, d flip flops, digital electronics interview questions, digital electronics solved questions, JK flip flops, latches, shift registers, SR flip flop. 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"Pseudo NMOS Logic Circuits MCQs" pdf covers quiz questions about pseudo NMOS advantages, pseudo NMOS applications, pseudo NMOS dynamic operation, pseudo NMOS gate circuits, pseudo NMOS inverter, pseudo NMOS inverter VTC, static characteristics. "Random Access Memory Cells MCQs" pdf covers quiz questions about dynamic memory cell, dynamic memory cell amplifier, random access memory cell types, static memory cell. "Read Only Memory ROM MCQs" pdf covers quiz questions about EEPROM basics, EEPROM history, EEPROM introduction, EEPROM ports, EEPROM specializations, EEPROM technology, extrapolation, ferroelectric ram, FGMOS basics, FGMOS functionality, flash memory, floating gate transistor, mask programmable ROMS, mask programmable ROMS fabrication, MOS ROM, MRAM, programmable read only memory, programmable ROMS, rom introduction, volatile and non-volatile memory. "Semiconductor Memories MCQs" pdf covers quiz questions about memory chip organization, memory chip timing, types of memory. "Sense Amplifiers and Address Decoders MCQs" pdf covers quiz questions about column address decoder, differential operation in dynamic rams, operation of sense amplifier, row address decoder, sense amplifier component, sense amplifier with positive feedback. "SPICE Simulator MCQs" pdf covers quiz questions about spice ac analysis, spice dc analysis, spice dc transfer curve analysis, spice features, spice introduction, spice noise analysis, spice transfer function analysis, spice versions. "Transistor Transistor Logic (TTL) MCQs" pdf covers quiz questions about characteristics of standard TTL, complete circuit of TTL gate, DTL slow response, evolution of TTL, inputs & outputs of TTL gate, low power Schottky TTL, multi emitter transistors, noise margin of TTL, Schottky TTL, Schottky TTL performance characteristics, TTL power dissipation, wired logic connections.

In the recent years there has been rapid advances in the field of Digital Electronics and Microprocessor.This book is intended to help students to keep pace with these latest developments.The Present book is revised version of earlier book'Introduction to Digital Computers'by the same author.Now this book is written in a lucid and simple language,which gives clear explanation of basics of Digital Electronics,Computers and icroprocessors.

A great way for technicians to learn about digital techniques and computers DESCRIPTION As computer technology has evolved, there have been two groups of people: the hardware group that understands the machine, and the software group that codes in high-level programming languages. This book puts the two together by providing an understanding of the nuts and bolts of digital devices and implementing hardware operations by coding a microController. We use the Arduino microController, which is embraced by the world-wide maker community of well over 300,000 people of all ages and technical backgrounds. The projects start at ground level and scaffold upward to fun challenges. We begin with a background on digital circuitry and cover the operation of the Arduino microController. From there, we examine digital logic gates, which are the building blocks of computer hardware, and see how they make decisions. Next, we explore how digital devices work with numbers and do arithmetic along with how they count binary numbers. We also see how data moves between points in serial or parallel form as we build and test the circuitry to do the work. The topic of random number generation is explained, and we design a few simple computer games to see how this all works and have some fun. The book leads up to the reader producing a final capstone project. The format of the book is perfect for a digital electronics high school or college course, but easy enough to follow so that anyone with a basic background in DC circuits will have an enjoyable time with the many projects. KEY FEATURES 1. Work with (gates) the building blocks of computers 2. Discover logic circuits that can make decisions 3. See how computers work with ones and zeros 4. Understand how computers count and keep track of numbers 5. Build and test memory circuits 6. Implement hardware using code 7. Have fun while learning about the Arduino WHAT WILL YOU LEARN You will learn that there is nothing mysterious about the digital devices that make up a computer, or the code that programs a computer to function. We cover the basic

hardware as it is constructed into functional sections of a modern computer. You will learn about gates, flip-flops, registers, counters, and data I/O. WHO THIS BOOK IS FOR Anyone with a background in electricity and electronics with the knowledge of constructing circuits on a breadboard should have no problem using this book. It is designed for people with inquisitive minds in the hope that both the hardware projects and code samples are modified by the reader to gain additional information. TABLE OF CONTENTS 1. A Bit about Arduino. 2. Digital Function Implementation. 3. Designing Functional Computer Circuits. 4. Memory Devices. 5. Registers and Numbers. 6. Counters. 7. Multiplexing and demultiplexing. 8. Addresses, specialized counters, and serial monitor interaction. 9. Random Numbers 10. Interactive I/O 11. Capstone project

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The present book aims to provide a thorough account of the type of questions asked in various competitive examinations conducted by UPSC, public sector organizations, private sector companies etc. and also in GATE It covers almost all the important and relevant topics, namely

For close to 20 years, Basic Electronics: Devices and Circuits has provided fundamental knowledge of the subject to all students. Each chapter focuses on the core concepts and clearly elucidate the fundamental principles, methods and circuits involved in electronics.