

Circuit analysis practice problems

- Using KVL and KCL, determine the unknown currents I_C , I_D and the unknown voltages V_B and V_D in the circuit given in Fig.1.



Figure 1: Practice problem

- Using series/parallel rule, determine the current I in Fig.2.



Figure 2: Practice problem

- Using branch current method, determine the unknown currents I_1 , I_2 and I_3 in the circuit given in Fig.3.



Figure 3: Practice problem

Circuit Analysis Questions And Answers

JL Elias



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how research in this area has progressed and what the prospects are for the future Electronic Circuits-I Atul. P. Godse, Uday A. Bakshi, 2020-11-27 The book covers all the aspects of theory analysis and design of Electronic Circuits for the undergraduate course The concepts of biasing of BJT JFET MOSFET along with the analysis of BJT FET and MOSFET amplifiers are explained comprehensively The frequency response of amplifiers is explained in support The detailed essential of rectifiers filters and power supplies are also incorporated in the book The book covers biasing of BJT JFET and MOSFET and analysis of basic BJT JFET and MOSFET amplifiers with Hybrid equivalent circuits It also includes the Darlington amplifier discussion amplifiers using Bootstrap technique multistage amplifiers differential amplifiers and BiCMOS cascade amplifier The in depth analysis of the frequency response of various amplifiers is also included in the book Finally the book covers all the aspects of rectifiers types of filters linear regulators power supplies and switching regulators The book uses straightforward and lucid language to explain each topic The book provides the logical method of describing the various complicated issues and stepwise methods to make understanding easy The variety of solved examples is the feature of this book The book explains the subject's philosophy which makes understanding the concepts evident and makes the subject more interesting **Electric Circuits** David A. Bell, 1994 **A Guide to Professional Engineering Examination, Electrical** A. R. Seth, 1994 This book contains 255 problems their solutions The problems are practical encompass diverse areas within the field of electrical engineering The problem solving is made easy through a simple short cut explanatory approach The questions are carefully designed to parallel the format degree of difficulty of those on board exams The book will be useful to the electrical engineering students faculty consulting engineers as well as engineers serving the industry the government Why struggle over problems which are already solved for you Order this book today move one step closer in quest for P E license Each book costs 44 95 plus S H 7 00 LA residents add 8% sales tax SDR Publications Inc 504 769 4393 P O Box 64971 Baton Rouge LA 70896 **s8dyaf8b** Podgor, Ellen, Electrical Principles for the Electrical Trades Vol 1 Jim Jennesson, Bob Harper, 2014-10-11 This sixth edition of the classic textbook Electrical Principles for the Electrical Trades has been thoroughly revised It contains many new and updated areas that reflect current technology and practices Volume 1 of the new edition features new and updated content on electrical principles The text is a suitable resource for teachers and tradespeople as well as an excellent choice for classes of apprentice and non apprentice trainees *InfoWorld*, 1994-09-26 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects **Questions-and-answers** Leo Paul Ruth, 1980 **Basic Electronic Circuits Simplified** Nelson Hibbs, 1972 **Electrical Installation Record**, 1917 *Radio World*, 1929

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