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BEE 215 Autumn 2020 Fundamentals of Electrical Engineering Problem 3. (20 points) The switch in the circuit has been closed a long time before opening at  $t = 0$ . For  $t > 0$ , find a.  $v_o(t)$ . (b)  $i_o(t)$ .

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Problem. The voltage across a 5-k $\Omega$  resistor is 16 V. Find the current through the resistor. Solution.  $v = iR \Rightarrow i = v/R = (16/5) \text{ mA} = 3.2 \text{ mA}$ . Solutions Manual for Fundamentals of Electric Circuits 6th Edition by Alexander IBSN 0078028221 Full Download: <http://downloadlink.org/product/solutions-manual-for-fundamentals-of-electric-circuits-6th-edition-by-alexander-ibsn-0078028221/>.

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Chapter 1 Introduction 1.1 Themes 1 From its beginnings in the late nineteenth century, electrical engineering has blossomed from focusing on electrical circuits for power, telegraphy and telephony to focusing on a much broader range of disciplines.

**Fundamentals of Electrical Engineering I**

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Fundamentals of Electrical Engineering- Electric Circuits and Networks-K. S. Suresh Kumar 2008-08-05 Electric Circuits and Networks is designed to serve as a textbook for a two-semester undergraduate course on basic electric circuits and networks.

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2. Basic Electrical Engineering By T.K.Nagasarkar and M.S. Sukhija Oxford University Press. 3. Electrical and Electronic Technology by hughes Pearson Education. REFERENCES : 1. Theory and Problems of Basic Electrical Engineering by D.P.Kothari & I.J. Nagrath PHI. 2. Principles of Electrical Engineering by V.K Mehta, S.Chand Publications. 3.

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