

Viva Questions

- a) The ripple factor of half wave rectifier is_____ (1 Mark)
- b) Discuss the importance of peak inverse voltage in the rectifier circuit. (2 Marks)
- c) If peak voltage for a half-wave rectifier circuit is 5V and diode cut-in voltage is 0.7, the peak inverse voltage on diode will be? (1 Marks)
 - a) 5.7 V
 - b) 4.3 V
 - c) 10 V
 - d) 5 V
- d) In a half-wave rectifier, the sine wave input is $50\sin 50t$. If the load resistance is of 1K, then the average DC power output will be? (1 Mark)
 - a) 3.99V
 - b) 2.5V
 - c) 5.97V
 - d) 6.77V

Half Wave Rectifier Viva Questions And Answers

Frank Oliver Nottingham



Half Wave Rectifier Viva Questions And Answers:

ELECTRONICS LAB MANUAL (VOLUME 2) NAVAS, K. A.,2018-10-01 This book is evolved from the experience of the author who taught all lab courses in his three decades of teaching in various universities in India The objective of this lab manual is to provide information to undergraduate students to practice experiments in electronics laboratories This book covers 118 experiments for linear analog integrated circuits lab communication engineering lab power electronics lab microwave lab and optical communication lab The experiments described in this book enable the students to learn Various analog integrated circuits and their functions Analog and digital communication techniques Power electronics circuits and their functions Microwave equipment and components Optical communication devices This book is intended for the B Tech students of Electronics and Communication Engineering Electrical and Electronics Engineering Biomedical Electronics Instrumentation and Control Computer Science and Applied Electronics It is designed not only for engineering students but can also be used by BSc MSc Physics and Diploma students **KEY FEATURES** Contains aim components and equipment required theory circuit diagram pin outs of active devices design tables graphs alternate circuits and troubleshooting techniques for each experiment Includes viva voce and examination questions with their answers Provides exposure on various devices **TARGET AUDIENCE** B Tech Electronics and Communication Engineering Electrical and Electronics Engineering Biomedical Electronics Instrumentation and Control Computer Science and Applied Electronics BSc MSc Physics Diploma Engineering

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Electronics and Instrumentation Gupta B.R.,2008 Electronic Tubes Semiconductor Devices Diode Circuits Amplifier Circuits Oscillator Circuits Thyristor Circuits Ic And Operational Amplifiers Logic Circuits And Number Systems Electrical Instruments Electronic Instruments Transducers Appendices A

Obj **Analysis of the Half-wave Rectifier Circuit** John C. Dutton,1950 An Analysis of a High-frequency Half-wave Rectifier Circuit Charles R. Hausenbauer,1949 Handbook of Rectifier Circuits Graham J. Scoles,1980 *The Analysis of Half-wave Rectifier Circuits with Resistance-capacitance Loads* Charles B. Brahm,1955 *A Precision Half-wave Rectifier* Jon S. Kapustinsky,John W. Lillberg,Jan G. Boissevain,Los Alamos National Laboratory,1988

Analysis of a Half-wave Rectifier Circuit Involving Inductance, Resistance, and Capacity Frank Edgar Bothwell,Prescott Durand Crout,Massachusetts Institute of Technology. Radiation Laboratory,1945

Mode of Reversal of the Anode Potential of a Half Wave Rectifier Under Inductive Load Frank Oliver Nottingham,1937

Instant Starting Half-wave Rectifier (tube Type Wx-4222). Joel H. Fink,WESTINGHOUSE ELECTRIC CORP ELMIRA N Y.,Westinghouse Electric Corporation. Electronic Tube Division,1961 Problems encountered in designing and fabricating a cold cathode high voltage rectifier for

high temperature application are discussed The final tube design is shown to be capable of operation in a wide range of ambient conditions but the tube life was found to be limited by sputtering and gas clean up The general conclusions drawn from this work are that new high temperature high resistance materials are needed as well AS FURTHER FUNDAMENTAL INVESTIGATIONS INTO THE PHENOMENA OF GAS SPUTTERING AND CLEAN UP Author **Metal Rectifier**
Engineering Edward Arthur Richards, 1958

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