

DIGITAL ELECTRONICS

Time : 3 Hours |

| Max. Marks : 100

Instruction : Answer one full question from each Section. One full question carries 20 marks.

SECTION - I

- | | | | | |
|----|-----|-------|---|---|
| 1. | (A) | (i) | Mention the features of ASCII code. | 5 |
| | | (ii) | Convert decimal number $(25)_{10}$ into binary. | 3 |
| | | (iii) | Represent Hexadecimal number $(4BE)_{16}$ in binary. | 2 |
| | (B) | (i) | List the types of Number System. Write a note on Hexadecimal number system. | 5 |
| | | (ii) | Subtract $(1001)_2$ from $(1101)_2$ | 2 |
| | | | | 3 |

Basic Electronic Paper With Answer

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Basic Electronic Paper With Answer:

Basic Electronics & Communication Engineering: Electronics & Communication Short Questions and Answers

Yashwant Kumar Parte, 2022-08-25 The book Basics of Electronics and Communication Engineering Short Question and Answers is written to cater the needs of students for review purpose at the Engineering or polytechnic level of Electronics and Communication Telecommunication Engineering streams The basic principles of the book are learning and motivation Easy explanation of practice problems and short answer type review questions are the principal features of this book

Basic Electronic Circuits A. H. Hoskyns, 2012-12-06 In the past the teaching of electricity and electronics has more often than not been carried out from a theoretical and often highly academic standpoint Fundamentals and basic concepts have often been presented with no indication of their practical applications and all too frequently they have been illustrated by artificially contrived laboratory experiments bearing little relationship to the outside world The course comes in the form of fourteen fairly open ended constructional experiments or projects Each experiment has associated with it a construction exercise and an explanation The basic idea behind this dual presentation is that the student can embark on each circuit following only the briefest possible instructions and that an open ended approach is thereby not prejudiced by an initial lengthy encounter with the theory behind the project this being a sure way to dampen enthusiasm at the outset As the investigation progresses questions inevitably arise Descriptions of the phenomena encountered in the experiments are therefore given in the explanations Although these were originally intended to be for the teacher's guidance they have been found in fact to be quite suitable for use by the student In the explanations mathematics has been eliminated wherever possible mechanistic descriptions of phenomena being preferred in all cases Stress is thereby placed on concepts rather than on mere algebraic relationships It is hoped that students of weak mathematical background will as a result not be prevented from following the explanations and deriving some benefit from these

BASIC ELECTRONICS KAL, SANTIRAM, 2009-01-14 This comprehensive and well organized text discusses the fundamentals of electronic communication such as devices and analog and digital circuits which are so essential for an understanding of digital electronics Professor Santiram Kal with his wealth of knowledge and his years of teaching experience compresses within the covers of a single volume all the aspects of electronics both analog and digital encompassing devices such as microprocessors microcontrollers fibre optics and photonics In so doing he has struck a fine balance between analog and digital electronics A distinguishing feature of the book is that it gives case studies in modern applications of electronics including information technology that is DBMS multimedia computer networks Internet and optical communication Worked out examples interspersed throughout the text and the large number of diagrams should enable the student to have a better grasp of the subject Besides exercises given at the end of each chapter will sharpen the student's mind in self study These student friendly features are intended to enhance the value of the text and make it both useful and interesting

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