DIPLOMA IN ENGINEERING

SIXTH SEMESTER EXAMINATION, 2016–17

MICROPROCESSOR DEVELOPMENT SYSTEM

Time : **3 Hours**   Max. Marks : **100**

Note : (i)   Attempt **ALL** questions.
        (ii) Choices are given in each question set.

1. Attempt any **Four** of the following questions: 5 x 4 = 20

fuEu esa ls fdUgh pkj iz~uksa ds mRrj nhft,A

(a) What is Tri-state device? Why it is necessary in Bus oriented system.

Tri-state device D;k gS\ ,d Bus oriented system fudk; esa bldh vko';drk D;ksa iM+rh gS\

(b) Define Memory Map. Design Memory map for 1 Kilo Byte memory.

eseksjh eSi dk D;k vFkZ gS\ ,d 1K ckbV eseksjh dk eseksjh eSi iznf'kZr dhft,A

(c) State the difference between Address bus and control Bus.

Address bus .oa Control Bus esa vUrj Li"V dhft,A

(d) State the difference between ALU « CPU.

ALU « CPU ds e/; vUrj crkb;sA

(e) Explain the structure of Register in 8085.

8085 ds jftLVj lajpuk dks crkb;sA

(f) Draw the block diagram of general Microprocessors & explain.

,d lkekU; ekbØks izkslslj dh lajpuk CykWd Mk;xzke }kjk iznf'kZr dhft,A

(c) Write an assembly language programme to multiply two 8-bit numbers in 8085 μp.

8085 μp esa nks 8&fcV vadksa dks xq.kk djus gsrq vlsEcyh izksxzke fyf[k;sA

4. Attempt any **Two** of the following questions: 10 x 2 =

Advanced Microprocessor Question Answer Diploma

Manoj Dole

Advanced Microprocessor Question Answer Diploma:

Electronics Communication Engineering Manoj Dole,2019-02-19 Electronics Communication Engineering is a simple e Book for Electronics Communication Diploma Engineering Course Revised Syllabus in 2018 It contains objective questions with underlined bold correct answers MCQ covering all topics including all about the latest Important about Professional Communication Industrial Management and Entrepreneurship Development Applied Mathematics III Electrical Engineering Environmental Education Disaster Management Applied Physics Industrial Electronics Transducers Communication System Applied Chemistry Network Filters Transmission Lines Electronic Instruments And Measurement Applied Mechanics Electronic Devices and Circuits Construction Management Accounts Entrepreneurship Development Engineering Mechanics Materials Principles of Communication Engineering Audio and Video System Electrical Engineering I Principles of Digital Electronics Television Engineering Electronic Components and Devices Electronics Workshop Microprocessor and Application Technical Drawing Programming in C C Project I Problem Elementary Workshop Practice Computer Application for Engineering Modern Communication System Microelectronics Electronic Equipment Testing Advance Microprocessor Interface Microwave Radar Engineering Modern Consumer Electronics Appliances Bio Medical Electronics and lots more

International Journal of Electrical Engineering Education ,1979   Publisher's Monthly ,1993

Radio-electronics ,1987   **British Books in Print** ,1985   National Midweek ,1990   Computerworld ,1982-11-22 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network   **Parliamentary Debates (Hansard).** Australia. Parliament. House of Representatives,2005-10   *Electronics Now* ,1998   International Yearbook of Educational and Instructional Technology Association for Educational and Training Technology,1984   **Choice** ,1978   Annual Technical Conference Society of Plastics Engineers. Technical Conference,1978   **British Book News** British Council,1985   *Forthcoming Books* Rose Arny,1990   **An Advanced Microprocessor-based System Design Course at UTK** Seiko Harimoto,1983   **Advanced Microprocessors II** Amar Gupta,1994-12-12   Advanced Microprocessors, II Amar Gupta,1987   **Advanced Microprocessors** Amar Gupta,Hoo-min D. Toong,1983 Good No Highlights No Markup all pages are intact Slight Shelfwear may have the corners slightly dented may have slight color changes slightly damaged spine   **Advanced Microprocessor Hardware** ,1984   *Advanced Microprocessors* Gt Manohar,2009-01-01 Advanced Microprocessors tries to present the chips available beyond the 8 bit microprocessor level in a lucid convenient and clear manner It avoids unnecessary complex mathematics and includes only essential elementary mathematical equations At each and every stage good examples of applications are included It aims at giving the practical ideas without getting into too many advanced theoretical concepts The treatment is at the grass root level such that even an

average student should be able to understand and apply these circuits in relevant applications The book has multiple purposes Primarily it is written to serve as a Text Book for the Undergraduate Student in an advanced course on Microprocessors The student would have had a course on Digital Techniques and a course on elementary Microprocessors It could as well serve as a Text for a Composite Course at the Graduate level It could also be used as a Reference Book for a course in Embedded Systems for allied Branches of Engineering Finally it would definitely serve as a Refresher Text to practising Engineers and serving Teachers who would like to do research or projects in this area Contents Microprocessors 8086 Architecture Programming Concepts Set 8086 Instruction Set Memory Interfacing Input Output Interfacing Interrupt Structure of 8086 Support Chips Analog to Digital and Digital to Analog Converters Microprocessor Applications Other Processors of the X86 Family Microcontrollers Embedded System Design Fuzzy Logic Control 8086 Instruction Set 8051 Instruction

This book delves into Advanced Microprocessor Question Answer Diploma. Advanced Microprocessor Question Answer Diploma is an essential topic that needs to be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Advanced Microprocessor Question Answer Diploma, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:

    - Chapter 1: Introduction to Advanced Microprocessor Question Answer Diploma
    - Chapter 2: Essential Elements of Advanced Microprocessor Question Answer Diploma
    - Chapter 3: Advanced Microprocessor Question Answer Diploma in Everyday Life
    - Chapter 4: Advanced Microprocessor Question Answer Diploma in Specific Contexts
    - Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Advanced Microprocessor Question Answer Diploma. This chapter will explore what Advanced Microprocessor Question Answer Diploma is, why Advanced Microprocessor Question Answer Diploma is vital, and how to effectively learn about Advanced Microprocessor Question Answer Diploma.
3. In chapter 2, the author will delve into the foundational concepts of Advanced Microprocessor Question Answer Diploma. The second chapter will elucidate the essential principles that must be understood to grasp Advanced Microprocessor Question Answer Diploma in its entirety.
4. In chapter 3, the author will examine the practical applications of Advanced Microprocessor Question Answer Diploma in daily life. This chapter will showcase real-world examples of how Advanced Microprocessor Question Answer Diploma can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Advanced Microprocessor Question Answer Diploma in specific contexts. The fourth chapter will explore how Advanced Microprocessor Question Answer Diploma is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Advanced Microprocessor Question Answer Diploma. This chapter will summarize the key points that have been discussed throughout the book.
The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Advanced Microprocessor Question Answer Diploma.

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