

**MONAD UNIVERSITY**  
Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101  
Tehsil Hapur (U.P), India  
E.C Department

**Course: EEC-354 Antenna and Wave Propagation**

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme and Enrolment No. clearly at the top of the page.

Q.1

- (a) Write the Applications of Loop Antenna.
- (b) Sketch and explain Yagi-Uda Antenna.

Q.2

- (a) Explain Flat Sheet Reflectors.
- (b) Compare Parabolic and Corner Reflectors.

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**Course: EEC-351 Integrated Circuits**

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

4. Write the responses to the assignment in your own handwriting.
5. Submit the responses to your HOD within the due date.
6. Write your Name, Programme and Enrolment No. clearly at the top of the page.

Q.1

- (a) Sketch NAND and NOR gates using CMOS.
- (b) Explain a Simpler CMOS Implementation of the Clocked SR Flip-flop

Q.2

- (a) Explain Non-Linear applications of IC Op-amps.
- (b) Describe Integrated Circuit Timer.

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Course: Principle of Communication (EEC-352)

Assignment No: 2

Due date of submission: 10.11.2016

Instructions

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Q.1

- a) What do you mean by Pulse modulation? Explain the process of Pulse modulation with diagram?
- b) What do you mean by Diode envelop detector? Explain the comparison of typical diode detector circuit in radio and T.V. receiver?

Q.2

- a) What do you mean by transmitter and receiver? Draw and explain the Classification of transmitters and receivers?
- b) What do you mean by antenna? Explain the important terms related to antenna?



## **ASSIGNMENT-2**

**Course-** B.TECH (3rd year/ 5th sem)

**Sub code-** EEC-355

**Sub-** Control System

**Last date of Submission-**10/11/2016

### **Instruction**

- 1) Write the responses to the assignment in your own handwriting.**
- 2) Submit the responses to your HOD within the due date.**
- 3) Write your name, program and Enrollment number clearly at the top of the page.**

### **Q1**

- a) Explain the construction and working principal of ac servomotor, synchronous and stepper motor?
- b) What is stability? Explain the various methods of stability with suitable examples?

### **Q2**

- a) Explain the various types of compensation techniques in time domain and frequency domain?
- b) Explain the state variable techniques in brief with suitable examples?

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Course: Engineering Managerial Economics (EME-351)

Assignment No: 2

Due date of submission: 10.11.2016

**Instructions**

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**Q.1**

- A. Define Market? How prices and output are determined under perfect competition?
- B. Discuss about the classification of market? How prices are determined under monopoly and monopolistic competitions?

**Q.2**

- A. Define Management with its nature, importance, characteristics and principles?
- B. What is decision making? Discuss about the classical and administrative models with the steps followed under decision making?

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Course: Microprocessor (EEC-353)

Assignment No: 2

Due date of submission: 10.11.2016

**Instructions**

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3. Write your Name, Programme and Enrolment No. clearly at the top of this page.

**Q.1**

- a) Explain the concept of Subroutine and Timing diagram with example
- b) Explain the modes of operation of 8255

**Q.2**

- a) Draw and explain architecture of  $\mu$ p 8086.
- b) Explain operating modes of  $\mu$ p 8086.