

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: 1

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) Define Radiation Intensity and Beam efficiency.
- (b) Explain importance of SNR.

Q.2

- (a) State Power Theorem.
- (b) Explain Point Sources.

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Course: EEC-351 Integrated Circuits

Assignment No: 1

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) What is Wildar current source?
- (b) Explain the Gain-frequency response of 741 Operational Amplifier

Q.2

- (a) Sketch and explain different types of Filters.
- (b) Describe Sinusoidal Oscillators.

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Course: Principle of Communication (EEC-352)

Assignment No: 1

Due date of submission: 10.11.2016

Instructions

7. Write the responses to the assignment in your own handwriting.
8. Submit the responses to your HOD within the due date.
9. Write your Name, Programme and Enrolment No. clearly at the top of this page.

Q.1

- a) What do you mean by communication? Draw and explain the block diagram of communication system?
- b) What do you mean by modulation? Explain Frequency modulation with diagram?

Q.2

- a) If the maximum and minimum voltage of an AM Wave is 10V and 5V. Then calculate the value of modulation index?
- b) What do you mean by DSB-SC? Explain the difference between AM and FM?



ASSIGNMENT-1

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

Sub code-EEC-355

Sub- Control System

Last date of Submission- 10/11/2016

Instruction

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- 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) What is control system? Explain how many types of control system? Define D'Alembert's principle?
- b) What is mason's gain formula? Define signal flow graph, transfer function with suitable examples?

Q2

- a) Derive the expression for response of the first and second order with unit step input?
- b) Explain the design specifications of second order system?

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Course: Engineering Managerial Economics (EME-351)

Assignment No: 1

Due date of submission: 10.11.2016

Instructions

10. Write the responses to the assignment in your own handwriting.
11. Submit the responses to your HOD within the due date.
12. Write your Name, Programme and Enrolment No. clearly at the top of this page.

Q.1

- A. Define Economics and the controversy between Father Adam Smith and Lord Alfred Marshall?
- B. Diagrammatically discuss about the meaning, importance, types and law of demand?

Q.2

- A. With figure define elasticity of demand, its type and degrees? Numerically support your answer?
- B. Diagrammatically discuss about an indifference curve analysis?

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Course: Microprocessor (EEC-353)

Assignment No: 1

Due date of submission: 10.11.2016

Instructions

13. Write the responses to the assignment in your own handwriting.
14. Submit the responses to your HOD within the due date.
15. Write your Name, Programme and Enrolment No. clearly at the top of this page.

Q.1

- a) Draw pin diagram of μ p 8085 and explain the function of each pin.
- b) Explain the following terms in detail;

- 1 Flag Register
- 2 Program Counter
- 3 Stack Pointer
- 4 Instruction Register
- 5 Opcode Fetch
- 6 Interrupts

Q.2

- a) What is addressing mode? Explain with example different addressing modes.
- b) i) What is instruction set? Classify them. Explain Data transfer and Branch instructions.
ii) Compare Memory mapped I/O interfacing and Peripheral I/O interfacing.