

Assignment-II
Programme: - B.TECH Civil -5TH Semester
Course: -Engineering Managerial Economics
Course Code:-EME-351/ECE-351
Last Date of Submission:-23.10.2017

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 this page.

Ques. No: - 1.

- (a) You are aware of the business fluctuations in the economy, now discuss about the phases of business cycle.
- (b) As you are familiar to the concept of Monetary Economics, now discuss about the merits and demerits of Demonetisation in the Economy.

Ques. No.:- 2.

- (a) Discuss about the concepts of Fixed Cost, Variable Cost, Average Cost, Marginal Cost and Opportunity Cost.
- (b) Define Managerial Economics with its scope in engineering perspective.

Assignment-II
Programme: - B.TECH Civil -5TH Semester
Course: - Environment Engineering-I
Course Code:-ECE-352
Last Date of Submission:-23.10.2017

Instructions:

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

Q.1

- a) Discuss fluctuation or variation of water demand.
- b) Why public forecasting is necessary? Write all methods.

Q.2

- a) Discuss different types of joints used in pipelines.
- b) Write all the methods of water distribution.

Assignment-II
Programme: - B.TECH Civil -5TH Semester
Course: - Geotechnical Engineering
Course Code:-ECE-353
Last Date of Submission:-23.10.2017

Instructions:

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

Q.1

- a) What is role of pore water pressure in the quick sand condition?
- b) How will you calculate the bearing capacity as per Indian Standard?

Q.2

- a) What do you understand by residual soil & transported soil?
- b) What is the significance of pore pressure coefficient?

Assignment-II
Programme: - B.TECH Civil -5TH Semester
Course: -Design of Concrete Structure
Course Code:-ECE-354
Last Date of Submission:-23.10.2017

Instructions:

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

Q.1

- a) Explain the procedure of designing rectangular singly reinforced beam by limit state method.
- b) Discuss the types of problems considered in designing doubly reinforced beams.

Q.2

- a) Write the recommendation of 456 -2000 for design of slabs. And also explain the reinforcement of slabs.
- b) Explain the important of serviceability limit state in the structural design of reinforced concrete flexural members.

Assignment-II
Programme: - B.TECH Civil -5TH Semester
Course: -Structural Analysis II
Course Code:-ECE-355
Last Date of Submission:-23.10.2017

Instructions:

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

Q.1

- a) Analyse arches for horizontal thrust, bending moment normal and radial shear.
- b) A two hinged parabolic arch of span L and rise h carries a uniformly distributed load of W per unit run over the whole span. Find the horizontal thrust at each support.

Q.2

- a) Define cable. What do you understand by the term sag-span ratio? Also discuss the basic characteristics of cable.
- b) Prove that the flexibility and stiffness matrix are inverse of each other.

Assignment-II
Programme: - B.Tech Civil 5thSemester
Course: - Transportation Engginering-1
Course Code:-ECE-356
Last Date of Submission:-23.10.2017

Instructions:

1. Write the assignment in your own handwriting.
2. Submit assignment to your HOD within given time.
3. Write your name, program and enrolment number clearly at the top of the pages.

Q.1

- a) Write down the importance of Geometric design of highway.
- b) Define cross slope or camber. Write down the favourable conditions for camber.

Q.2

- a) How traffic separators play an important role in maintain the traffic in highways?
- b) Write short notes on.
 - i) Kerbs
 - ii) Roads margins
 - iii) Shoulders
 - iv) Right of way