

Course: ECE-472-Design of Steel Structure
Assignment No: II
Submission Date: 10 November 2016

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD with in the due date.
3. Write your name ,programme and enrollment number clearly at the top of the Pages

Q.1

(a)An ISA 100mmx100mmx10 mm carries a factored tensile force of 100KN .It is to be jointed with a 12mm thick gusset plate .Design a high strength bolted jointed

i) When no slip is is permitted(ii) when slip is permitted .steel grade Fe410

(b) Design a 10mm long tension member subjected to factored tensile load of 200KN .the section should consist of 2 channel facing each other. The rolled channel ISMC 300@358N/m only are available .Assuming the to be weakened by one bolt hole only ,check the adequacy of the section .Design also plate on flanges if required .Use Fe410 grade of the steel .The bolts to be used are of grade 4.6 and of 16mm diameter.

Q.2

(a) Design a laterally unsupported beam for the following data

Effective span 4m, maximum bending moment 850KN, maximum shear force, steel grade Fe410.

(b) Design a lintel over an opening of 3.5m the lintel is made in a wall 400mm thick the lintel has to support a uniform load of 50KN in addition to the masonry .the weight of the masonry may be assumed to be 19.2KN/m³ and the weight of brick work above the lintel is 4.0 the steel is of grade Fe41089ui

Course: ECE-473-Open Channel Flow

Assignment No: II

Submission Date: 10 November 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 enrollment number clearly at the top of the Pages

Q.1

- a) What are the difference between open channel flow and pipe flow?
- b) Explain the gradually varied flow?

Q.2

- a) Explain keifer and chu's method and essa's method?
- b) Explain the direct integration method of gradually varied flow?

Course: ECE-474 Water Resources Engineering

Assignment No: II

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 Enrollment number clearly at the top of the Page.

Q.1

- a) What do you mean by Sediment Transportation? Write in detail.
- b) Define Water Logging. Write also its effects.

Q.2

- a) Write the methods of lifting water?
- b) What is the purpose of Canal Regulation Works? Write also its types.

Course: ECE-475 Industrial Pollution Control and Environmental Audit

Assignment No: II

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, programmer and Enrollment number clearly at the top of the Page.

Q.1

- a) Write the General Usage Pattern Of Water in Industry.
- b) Explain the Measurement, Estimation and Data-Collection Methods for industrial water use.

Q.2

- a) What are the various processes Required for removal of Fluoride?
- b) Write the Process of Removal of Bio-degradable Organics.

Assignment: B.tech – 7th sem.
Title: Entrepreneur Development Program
Last Dates for Submission: 10th Nov, 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

Assignment Number: 2

Q- 1

- a) What do you mean by advertisement? How will you advertise?
- b) Explain inventory control and its importance.

Q- 2

- a) Briefly explain workman compensation act.
- b) Define Laws concerning entrepreneur.