

**Assignment-1**  
**Programme:-B.Tech Civil -7<sup>TH</sup> Semester**  
**Course: -Steel Structure**  
**Course Code:-ECE-472**  
**Last Date of Submission:-11.Sep.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 stress strain behaviour of mild steel.
- b) What is the importance of wind load?

**Q.2**

- a) Describe some of the mechanical properties of structural steel.
- b) Write advantages of steel when used as a structural material.

**Assignment-1**  
**Programme:-B.Tech Civil -7<sup>TH</sup> Semester**  
**Course: -Open Channel Flow**  
**Course Code:-ECE-473**  
**Last Date of Submission:-11.Sep.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 the classification of flow profiles.
- b) What do you mean by “hydraulically efficient channel section”? Explain.

**Q.2**

- a) Write down the limitations of the equation of gradually varied flow.
- b) Define control section with detail.

### **Assignment-1**

**Programme:-B.Tech Civil -7<sup>TH</sup> Semester**

**Course: -Water Resources Engineering**

**Course Code:-ECE-474**

**Last Date of Submission:-11.Sep.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 the various factors affecting runoff from catchment.
- b) Explain hydrological cycle with figure.

#### **Q.2**

- a) Discuss the various advantages and disadvantages of the irrigation.
- b) Define precipitation with detail.

**Assignment-1**

**Programme:-B.Tech Civil -7<sup>TH</sup> Semester**

**Course: - Industrial Pollution Control and Environmental Audit**

**Course Code:-ECE-475**

**Last Date of Submission:-11.Sep.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) Define Industrial wastes & their sources.
- b) What is a radiation emission?

**Q.2**

- a) Discuss types of wastes.
- b) What are the various industrial processes requiring water use?