



**Assignment Number: 1**

**Program Name – Diploma (Chemical Engg), Semester: 6**

**Course Name- Industrial management & entrepreneurship development**

**Course Code- DCHE-361**

**Course name: industrial management and entrepreneurship development.**

**Last Date for Submission: 12th March, 2018**

**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

**Question:-1**

- a) “Management is to the business, what mind is to a human being.” Explain this statement.
- b) What are the essential characteristics of the principles of management? Do they suffer from any limitation?

**Question:-2**

- a) “Planning is looking ahead, and control is looking back.” Explain this statement.
- b) Explain in detail about 14 principles propounded by Henry Fayol.

## **Assignment-I**

**Program Name – Diploma (Chemical Engg), Semester: 6**

**Course Name- Process Equipment Design**

**Last date of submission-12/3/2018**

**Course Code- DCHE-362**

**Instructions: 1. Write the response to the assignment in your own handwriting.**

**2. Submit the response 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) What are general design procedures?
- (b) What are design considerations materials selections?

Q.2

- (a) Write short note on fatigue, brittle, fracture, and creep.
- (b) Write short note on temperature effect, radiation effects, and effects of fabrication methods in process equipment design.

## **Assignment-I**

**Program Name – Diploma (Chemical Engg) Semester: 6**

**Course Name- Pollution Control & Industrial Safety**

**Last date of submission-12/3/2018**

**Course Code- DCHE-363**

**Instructions: 1. Write the response to the assignment in your own handwriting. 2. Submit the response 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 environment and its component? What is Pollution?
- (b) Make Classification of pollution.

Q.2

- (a) Define air pollution and discuss types of air pollutants and their sources
- (b) Discuss settling chambers, cyclones, scrubbers (dry & wet), electro static precipitations, and bag filters to control air pollution.

## **Assignment no-I**

**Program Name – Diploma (Chemical Engg) Semester: 6**

**Course Name- Fertilizer Technology**

**Last date of submission-12/3/2018**

**Course Code- DCHE-364**

**Instructions: 1. Write the response to the assignment in your own handwriting. 2. Submit the response 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) Discuss origin, development and use of commercial fertilizers.
- (b) Explain types of chemical fertilizers.

**Q.2**

- (a) What are role of fertilizers in plant growth ?
- (b) Discuss methods of production, characteristics and specifications of ammonium sulphate, urea and ammonium nitrate.