Course: Diploma (CHEMICAL ENGG) , III SEM , DCHE-232 , Chemical Technology

Assignment no:1

Due date of submission: 10.11.2016

Instructions

1. Write the response to the assignment in your own handwriting.

2. Submit the response to your HOD within the due dates

3. Write your name, programmed and enrolment No. clearly at top of the page.

Q.1

(a) Write Manufacturing process and uses of Oxygen and Hydrogen,

(b). Write the reaction involving the formation of Ammonia and Nitric acid.

Q.2.

(A)Write the reaction involving the formation Triple Super Phosphate

(b) Write the reaction involving the formation N-P-K fertilizer.

Course: Diploma (CHEMICAL ENGG) , III SEM , DCHE-233 , heat transfer

Assignment no:1

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Q.1

A) State fourier's law of heat conduction process

B). Define following terms in conduction process –

i) Logmean area ii) Geometric mean area

iii) Arithmetic mean area.

Q,2

A.) Define radiation process of heat transfer

B.)What do you mean by steady state and Define convection process?

Course: Diploma (CHEMICAL ENGG) , III SEM , PROCESS PLANT UTILITIES ,DCHE-234

Assignment no: 1

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Q.1

a) What are sources of water? Define Dryness fraction and Define super-heated steam

b) Explain Vaccum Pump.

Q.2

a). Define dry & saturated steam and Define Turbidity and hardness of water.

b) Define suspended solids of water and Name Coagulating compound .

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Course: Diploma (CHEMICAL ENGG) , III SEM , MATERIAL AND ENERGY BALANCES, (DCHE-235)

Assignment no: 1

Due date of submission: 10.11.2016

Instructions

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Q.1

A) Write units of volumetric flow rate and Write dimensions of force.
B). Define the term recycle and Define the term purge.

Q.2

A).Define Dalton's Law and Define Amagat's Law.
B). Define Roult's Law and Define Excess Reactant.