

A D Patel Institute of Technology

Food Processing Technology

Date: 21/10/2008 (Tuesday)

Internal exam -2

GTU Chemistry (CH 101)

Time: 8 – 9 AM (1 hour)

Maximum Marks: 20

- Instructions:**
1. Write to the point
 2. Overwriting may not be checked
 3. Attempt all the questions

Q.1 Answer the following

- (a) What is meant by calorific value of fuel? Give name of the equipment which is used for the measurement of the calorific value of solid fuel. Give the unit of calorific value. (2)
- (b) What are the characteristics of the good fuel? (2)
- (c) Give three example of artificial fuel. (1)

Q.2 Answer the following

- (a) Define Lubricants. What is meant by the term lubrication? (1)
- (b) What are the functions of lubricants? (2)
- (c) Define metal, non metal & alloy. Give example of each. (2)
- (d) Give three examples of alloys. (1)
- (e) Define corrosion. What is galvanic corrosion? (2)

Q.3 Answer the following

- (a) Write chemical formula for temporary and permanent hardness producing salt. (1)
- (b) Name substances used for disinfection of drinking water. (1)
- (c) Write main difference between sludge and scale. (1)

Q.4 Answer the following

- (a) What are treatments for prevention of scale in boiler? (1)
- (b) Define softening of water & desalination of water. (2)
- (c) Define Biotechnology & fermentation. (1)