

PG diploma in industrial Instrumentation and process Automation

Paper 3: Alcohol Technology & Bio-Products.(Theory)

1. Fermentation, types of fermentations, Outline of alcohol production by different fermentation process
2. Role of microorganism and other condition on fermentation.
3. Raw Materials for fermentative production of alcohol. Molasses: Composition grades and Classification of molasses,
4. Production of grain spirit.
5. Theoretical Yield, Fermentation & Distillation Efficiency, etc.
6. Different method of spent wash treatment including bio-methanation, incineration and bio-composting.
7. Brewing technology: Malting, mashing, fermentation and pasteurization of beer, defects of beer.
8. Alcoholometry : Reduction and blending of spirits, denaturation, obscuration & shrinkage, potable liquors, country liquors & Indian Made Foreign Liquors.(IMFL)