

## EIM Exercise-

### Chemical Dosage Calculation-

### WET PROCESS-

#### Note-

1. Check carefully the unit required for particular chemical types before you calculate. i.e. gr/L or % owg
2. Put only liquor number in M:L box. Example-put only 25 I/O 1:25 in the Box.
3. Find correct chemical type from TDS/MSDS in case you don't know the name.

#### 1. Conversion of Gr/Liter-

In Desizing: Anti-back staining (Dispersing Agent) agent-dosage is .100kg=100 grams  
Water =100 L

So, the equation is  $100\text{grams}/100\text{L}=1\text{ gr/liter}$ ;

In PP bleach- Potassium permanganate -dosage is .020 kg=20grams  
Water=100 L

So, the equation is  $20\text{grams}/100\text{L}=.2\text{gr/liter}$

*on weight of goods*

#### Wet process-

#### 2. Conversion of %OWG-

In Desizing: Enzyme(Alpha amylase)-dosage is .300kg=300 grams  
Lot/Garments weight 4kg=4000 grams

So, the equation is  $(300\text{grams}/4000\text{grams})*100=7.5\% \text{ owg}$ ;

In Enzyme-Enzyme dosage is .300 kg=300 grams

Lot/Garments weight 4kg=4000 grams

So, the equation is  $(300\text{grams}/4000\text{grams})*100=7.5\% \text{ owg}$ ;

In Tint-Direct dye dosage is (.002+.050) kg= 52 grams

Lot/Garments weight 4kg=4000 grams

So, the equation is  $(52\text{ grams}/4000\text{grams})*100=1.3\% \text{ owg}$ ;