

## BEST PRACTICE OF THE DEPARTMENT

### PREPARATION OF THE SOAPS AND HELPING THE POOR

**OBJECTIVE:** In old age homes , they must follow hygiene for this they need toilet soaps. So our students prepare toilet soaps in the laboratory, they I thought they will donate soaps on service motto.

**CONTEXT :** Making soap with a melt and pour base in safe easy and so convenient . Bought one K.G soap base , cut it into pieces and taking in a bowl add essence of **(NEEM,LEAVES,CARROT,CUCUMBER,PAPAYYA and ELOVERA)** or any other natural fruits or vegetables foer the preparation natural soap . After complete melting of soap base add colour and essintional oil for fragrance. Then pour it in a mould and kept it freezer for 20 minutes . Then we get a soap.



For one kg of soap base we got 13 soaps with a weight of 75gms . The cost of 1 kg soap base (SHEA BULTER) was Rs. 450/-. Then each soap cost Rs.40/-. Same soap which is prepared by our students was at oldage home . Money contribution by students only with their will and wish .It shows their service and love on old people.

**PRACTICE:** Students prepare soaps and other things in the laboratry for needy people in and around Avanigadda .

**EVIDENCE OF SUCCESS:** Success was due to good quality and service motto.

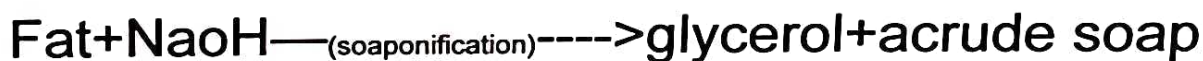
**PROBLEMS ENCOUNCLRED :** Avanigadda in a corner place. So problem in that to bring raw materials from a distance place it takes minimum of 2 ½ hours .To overcome this problem now we order place by online mode.

#### **RESOURCES REQUIRED AND NOTES :**

**Required raw materials are**

- 1.Vegetable oil(coconut,olive or badam)
2. Sodium hydroxide or soap base
- 3.Essential ail (which gives fragrance we want)
- 4.Colours
- 5.Natural fruits and vegetables also.

**PRINCIPLE :**The principle involved in the preparation of soap was "SOAPANIFICATION" . It is hydroxide breaks the ester bonds between the falty acids and glycerol of triglyceride, resulting in free falty acids and glycerol" which can be soluble in aqueous solutions.



**ADVANTAGE:** 1.Good quality soaps we will get.

2.Cost of soap is at low price than market.

**FURTHER SCOP :** We are planingto prepare more number of soaps and distribute more number to needy people.

**OUTCOME FROM STUDENTS :** Students can enjoy the essence of sharing their service to needy people by donating the products of their own preparation.



