**PHARMACOECONOMICS**

1.An adult male patient aged 38 years old with upper respiratory tract infection was investigated. His throat swab culture reported streptococci, sensitive to following antibiotics. Cost of each drug is given below

DRUG DOSE COST/TABLET

1.Cefpodoxime proxetil 200mg Rs.21

2.Azithromycin 500mg Rs.23.3

3.Amoxicillin

+ clavulanic acid 625mg Rs.22

1.Prescribe the possible treatment regimen including above drugs

2.Calculate the total cost of each regimen and choose the cost effective regimen.

**REGIMEN A:**

T. Cefpodoxime proxetil 200mg BID for 5 days

Cost per day – Rs.21 x 2 = Rs.42

Cost for 5 days – Rs.42 x 5 = Rs.210

**REGIMEN B:**

T.Azithromycin 500mg OD for 5 days

Cost per day – Rs.23.3

Cost for 5 days – Rs.23.3 x 5 = Rs.117

**REGIMEN C:**

C.Amoxicillin & clavulanic acid 625mg TDS for 5 days

Cost per day – Rs.22 x 3 = Rs.66

Cost for 5 days – Rs.66 x 5 = Rs.330

Regimen B is cheaper & cost effective