

free of charge to all the guests in the hall, including the VIP free guests. The snacks cost Entertain U ₹ 20 per person. Entertain U sells the remaining tickets and observes that for every one seat demanded from the last level, there are 3 seats demanded from the middle level and 1 seat demanded from the VIP level. You may assume that in case any level is filled, the visitor buys the next higher or lower level, subject to availability.

- (i) You are required to calculate the number of seats that Entertain U has to sell in order to break-even and give the categorywise total seat occupancy at BEP.
- (ii) Instead of the given pattern of demand, if Entertain U finds that the demand for VIP, Middle and Last level is in the ratio 2 : 2 : 5, how many seats in each category will Entertain U have to sell in order to break-even ?