Question #75095, Economics / Other

Sunrise Juice Company sells its output in a perfectly competitive market. The firm's total cost function is given in the following schedule:

Output Total Cost

(Units) (\$)

0 50

10 120

20 170

30 210

40 260

50 330

60 430

Total costs include a "normal" return on the time (labor services) and capital that the owner has invested in the firm. The prevailing market price is \$7 per unit.

- (a) Prepare (i) marginal cost and (ii) average total cost schedules for the firm.
- (b) What is the firm's profit maximizing output level?
- (c) Is the industry in long-run equilibrium? Justify your answer.

Answer:

a)

Q	TC	MC	ATC
0	50	-	-
10	120	7	12
20	170	5	8.5
30	210	4	7
40	260	5	6.5
50	330	6	6.6
60	430	10	7.17

- b) the firm's profit maximizing output level is 30 units
- c)No, industry not in long-run equilibrium, because firm have profit.

Answer provided by https://www.AssignmentExpert.com