

7. Refer to this table for developing aggregate operations plans:

Months	1	2	3	4	5	6	7	8	9	10	11	12
Demand (units)	9000	7000	5000	4000	2000	1500	1000	1200	1600	3000	5700	7000

Develop an aggregate operations plan (AOP), assuming a beginning inventory of 9000 units. On average it takes 4 hours to produce a unit. The factory provides 40 hours per week per worker and employs 100 workers. Regular production capacity is 10,000 units. **(10 marks)**

@Regular cost = \$300/unit

@Overtime = \$360/unit

@Subcontract = \$420/unit

@Inventory cost = \$10/unit/month

@Hiring cost = \$500