Pricing under Perfect Competition

"A cynic might say of perfect competition what Bernard Shaw once said of Christianity. The only trouble with it is that it has never been tried. Historians quarrel over whether there ever was a golden age of free competition, and certainly competition is not now perfect in the economist's sense.

-Paul A. Samuelson, Economics, pp. 35-36.

THE various features of perfect competition are as follows:

(i) Large Number of Buyers and Sellers. An important feature of perfect competition is the existence of a very large number of buyers and sellers in the market. Each buyer buys so little and each seller sells so little that none of them is in a position to influence the price in the market. The actions of neither any buyer nor of any seller can have any effect on the market price. It is obvious that when there are millions of buyers and sellers operating in the market, none of them can be strong or powerful enough to influence or alter the price to his advantage. Actually, the price of the commodity is determined by the combined actions of all the sellers (or, firms) and buyers in the market. But once the price is determined by the market, each seller and each buyer has to accept it. Each seller adjusts his output (or, sale) and each buyer adjusts his purchases according to the ruling market price.

(ii) Existence of Homogeneous Product The second feature of a perfeetly competitive market is that the product being sold by the various firms (or, sellers) must be homogeneous or identical in the eyes of the buyers. The products are homogeneous in the sense that they are perfect substitutes from the buyer's point of view, and their cross elasticity is infinite/ Since the product is homogeneous, no seller can charge a price even slightly above the ruling market price, because if he does so, he will lose all his customers.

The above two features of perfect competition, taken together, ensure that the average revenue curve of the firm shall be horizontal in shape. Since there are several firms operating in the market, no one firm is in a position to

Though perfect competition is a rare, almost a non-existent situation, yet we study price-determination under this situation. There are several reasons for this. Firstly, as pointed out by Leftwich, the study of perfect competition "furnishes us with a simple and logical starting-point for economic analysis." We start with perfect competition and then gradually introduce other situations, such as, monopoly, imperfect competition, oligopoly, etc., to study their effect on price-determination, in the same manner as we start with the study of mechanics by assuming a frictionless universe. A frictionless universe helps in the explanation of the principles of mechanics. Once the frictionless universe is understood, we can gradually introduce 'friction' to observe its effects. Secondly, the study of pricing under perfect competition provides us with certain analytical tools which can be used to explain price-determination in other market situations. Thirdly, the study of perfect competition provides us with "a norm against which the actual performance of the economy can be checked or evaluated."

exert any influence on price. Further, since the product is homogeneous, the havers do not consider one firm's product as being superior to another's, and hence, there cannot be price differences in the market.

(iii) Absence of Artificial Restrictions. The third condition necessary for the existence of perfect competition is the non-existence of any artificial restrictions on the demands, supplies, prices of goods and factors of production in the market. There must be no governmental or institutional fixation of the on the supply of goods and factors of production. Nor must there be any restrictions on the supply of goods and factors either by the government or by some organized producer groups. Nor must there be any control of demands of goods through governmental rationing.

(iv) <u>Free Entry and Free Exit for Firms</u>. The fourth feature of perfect competition is that there should be complete freedom for firms to enter into or leave the industry whenever they choose to do so. Freedom to enter means that fresh blood shall be allowed in the industry. As such, there shall be many firms in the industry and each firm shall be small in size, producing only a very small portion of the total output. If some firms are incurring losses, they might leave the industry. The point to remember is that, under perfect competition, no firm is in a position to exercise any monopolistic control on the market.

(v) Perfect Knowledge on the Part of Buyers and Sellers. The fifth feature of perfect competition is the existence of perfect knowledge on the part of buyers and sellers about market conditions. Since the buyers know everything worth knowing about the product, there is no necessity of incurring any expenditure on publicity or advertisement. Likewise, the sellers also possess perfect information about the conditions prevailing in the market. (For example, the sellers have perfect knowledge about potential sales at various price-levels. This condition also implies that both the buyers and sellers have full knowledge of the price at which the market demand is equal to the market supply. In technical language, this price is known as the market-clearing price. At the market-clearing price, there will be no unsatisfied buyers and sellers.) Those who want to buy at this price can buy as much as they like and those who want to sell can sell as much as they wish. Ignorance of any kind on the part of buyers and sellers, vis-a-vis market conditions, would be considered an obstacle to the free functioning of competition.

(vi) Perfect Mobility of Factors of Production. The existence of perfect mobility of the factors of production is another condition for ensuring the smooth functioning of perfect competition. What it implies is that the various factors of production should be free to move into any use or industry which they consider profitable for themselves. They are also free to come out of any use or industry if they consider their remuneration in that use or industry inadequate. The existence of perfect mobility of factors is essential for the fulfilment of the first condition of perfect competition, namely, the existence of a large number of firms in the market

(vii) Non-existence of Transport Costs. A perfectly competitive market also assumes the non-existence of transport costs. It assumes that the various firms work so close to each other that there are no transport costs. Strictly speaking, two similar products are not considered homogeneous unless they happen to be in the same place. If two similar products happen to be at two different places, their prices will also differ because of transport costs. As pointed out above, the existence of a single, uniform price is an essential feature of a perfectly competitive market, and a single uniform price for the same product cannot exist in the market if transport costs are taken into account.

Sometimes a distinction is observed between pure competition and perfect competition. The term "pure competition" was introduced by E.H. Chamberlin into the theory of pricing. The American economists are particularly fond of using the term 'pure competition' in preferenc; to the term 'perfect competition', which seems to be popular with the British economists. What exactly is the









