Q1. Explain the concept of a production function.
Ans: The production function of a firm depicts the relationship between the inputs used in the production process and the final output. It specifies how many units of different inputs are needed in order to produce the maximum possible output. Production function is written as:
$Q_x = f(L,K)$
Where,
Q_x represents units of output x produced.
L represents units of labour employed.
K represents units of capital employed.
The above equation explains that Qx units of output x are produced by employing L and K units of labour and capital respectively and by a given technology. As the given level of technology appreciates, the output will increase with the same level of capital and labour units.

Q2. What is the total product of an input?
Ans: Total product is defined as the sum total of output produced by a firm by employing a particular input. It is also known as the Total Physical Product and is represented as TP = Summation Q_x
Where, represents summation of all outputs and Q_x represents units of output x produced by an input.

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