1) Define managorial euromics. Emplais nature and supe.

Defination: The integration of ewnomic theory with business practice for the purpose of facilitating decision-making and forward planning by management.

Managorial economics is the discipline which deals with the application of economic throng to business management.

Mature of managorial economics

1) Art and science:

Management theory suguires a lot of critical and logical thinking and analytical skills to make decisions are solve problems Many economics find it a source of suscouch, saying it includes applying different economic concepts, sechniques, and methods to solve. business problems.

(i) Microeconomics:

Managers supplically dual with the problems scelerant to a single entity scatter than the economy as a cohole. It is, therefore considered an integral part of mioreeconomics.

(11) Uses of Macio Economics:

A cooppration coorks in an entounal world, i.e., serving the consumer, an imprortant part of economy. For this purpose, managers. must evaluate the various macroeconomic factors, such as market dynamics, evonomic changes, government polices etc., and their effect on company

(iv) Multidisciplinary:

Managerial economics uses many tools and poinciple that belong to different disciplines, such as accounting, finance, statistics mathematics, production, operational suscence, human surpurus, marketing etc.

in Psusouptive or Normalive Discipline.

By introducing corrective steps managerial economics aims at achieving the objective and solves specific issues or problems

(vi) Management Oriented

This serves as an instrument in manager's harals to aleal effectively with business-sulated problems and ancertainties. This also allows for setting priorities, formulating policies, and making successful decisions.

(Vii) Prognatic

The solution to day-to-day business challenges is suallific and orational.

Scope of ME

i) Demand Decision:

The analysis and forecosting of demand, behavioured implications impact of changes in prices, income levels and prices of atternative modults are assessed and accordingly the decisions are taken.

il) uput output Decision!

The entire focus of this decision is to optime the attent at minimum cost. It is necessary for the manager to know evention—ship between the cost and adopted both in short-sun and long-sun to position his products amidst competitive environment.

iii) Paice output Decision!

Here, product is surally & task is to aldernine price these in different moutant situations such as perfect mouted and imperfect moutants suraging from monopoly, monopolistic competition, duopoly & oligopoly

in Powdit-sulated Decisions: How we employ techniques such as bounde-even analysis, cost suduent cost control & seatto analysis to ascertain the level of profits

Winvestment Decisions: Investment decisions are also called capital budgeting decisions. These involve commitment of large funds, which alternine the fate of firm These decisions are irreversible.

Will Eco romics fore casting and forward Pearring: Economic fore—

Casting leads to forward planning The firm operate in an envisonment which is dominated by enternal and internal foutors. This will minimise seisk and uncertainity about future.

Demand forecasting methods are classified into

is Survey methods

(ii) Statistical methods

iii) other methods

Survey methode

is Survey of bayer intentions:

In this method information is documen from the buyer to estimate demand. Buyes is asked how much does he pean to buy at a given point of time. This is most effective method because the buyer is ultimate decision makes and we con collecting info from potential buyer Sourcey can be conducted by considering whole population or a small group

- If survey is conducted by considering either whole population it is called consus method (total enumeration method)

of scowey is conducted by considering small group of potential buyers who can supersent whole population, it is called sample method

(ii) Salu force opinion methodi

Salus people are in constant touch with the large number of buyers of a particular market Salus force is capable of assessing the likely scention of customers of their territories quickly. given the companies marketing strategy.

(iii) Delphi Method!

A variant of survey method is delphi method. Under this method, a parel is selected to give suggestions to solve the problems in wand Both internal and external experts can be members of parel Parel members are kept apart from each o their and empouss this views in anonymous manner. A woordinator acts as intermediary who prepares quoestionnaire and sends the to panelist. At end of each swand summary support is made. on basis of suport panel members have to give suggestions.

Statistical methods

() Tound projection methods:

A well established firm will have accumulated dota. These data is analyzed to determine the nature of existing trend. Then this trend is projected in to future and the ousults over used as hasis for forecast

(1) Basismetric technique:

The use of economic indicators is discribed as the boscometric Lichnique. H is an improvement over the trend projection method. H is based on the assumption that cuctain events occurring in the powert can be used to psudict quive under this technique one set of data is used to predict another setc.

Leading Indications: These and to suffect future market changes Coincidend Individors! These are indicators which coincide with or fall fair behind general economic activity or market bunds.

Lagging Indicators: H confirm long turn bunds, but they do not poudict them. Consumple 1

(iii) convulation discribes degree of association between two variab

- lu such as salu and ads empenditure

Regression analysis is a statistical measure that attempts to determine the strength of subdienship between one dependent variable and a series of other changing variables.

Other mulhods

(1) Expert opinion method:

An expert is good at forecasting and analysing the feuture technology.

There in a given product or service at given technology.

Apart from salumen, consumers a distributions distributors, outside experts may also used for forecasting builts of this method would be more suitable independent demand forecasts. This method constitutes as valid strategy particularly in the case of new products. The main disadvantage is an expert want be held accountable if his estimates are found in correct.

in test marketing!
In test marketing the entire product and marketing program is corried for the first time in a small norot well chosen and authentic sales environment. The primary objective is to know whether the customer will accept product in present or not.

in Controlled experiments:

Major determinants of demand are manipulated to suit to the customers with different dastes and preferences. In this method the product is instruduced with different packages, different prices, in different markets to assers which combinadion appeals to customer most.

(iv) Judgmental approach!

When none of statistical and other methods own disuctly
substituted to given product / sensice the management has no
alternative other than eving its own judgement in forewasting
the demand

3) Explain what is sections to scale Explain economics and Diseconomics of scale?

The percentage inverse in output when all inputs vary in the same proportion is known as "Roburn to Scale". Deturn to scale. sulate to greater use of inputs maintaining the same dechniques of production. where settems to scale occurs, three atternative situations are possible.

Indows of Retwin to Scale:

(a) Law of Increasing Retwo to Scale:

This laws states that the volume of output keeps on Ting with the in inputs.

(b) Law of Constant Return do Scale:

The scate of incuase in the total output surrains constant, i.e output las by a tuser proportion than the rec in inputs a Decreasing Petwers to Scale:

when the proportional Ter in the inputs does not lead to equivalent Ter in output, the output Ters at a decuasing seate, the law of decuasing outums to scale is said to operate.

Economies and diseconomius of scale:

- The term economis of scale supers to a situation where the cost of producing one writ of a good or source decueses as the volume of production incurses
- More units of a goods or service produced on a larger Scale, with less input costs, economies of scale are said to be achieved.

Economius of scale is divided into two types:

- is Internal economies of scale
- -> This sufers to the economies in production costs which accure to the firm alone when it enpands its output - Arise from the incurred output of the business itself.

Types of economics of scale:

- is Technical: large capital equipment with high fixed costs
- (ii) Specialisation: Division of labour and specialisation within production - more efficient with high input.
- illi) But buying: Lower avouge costs for buying large quantity
- (in) Marketing: firm Spends large amounts on issues in marketing and is still not sure of susutte
- (1) Risk bearing. Bigger firms more able to scowire do contains (vi) Container pounciple: Fee in surface area leads to double the fee in volume.
- (418) Financial: Langer firm gets better rade of intest from bank (2) (viii) Endernal seconomics of Scale:

Endemal conomic refer to all the firms in industry, because of growth of industry as a whole or because of growth of ancillary industries. It benefits all the firms in the industry as the industry enpands

Economies renternal can be grouped under those dypes:

(1) Economies of concentration!

Because of all the firms are located at one place, it is likely that there is better. Infrastructure in terms of all factors.

(ii) Economies of RAD:

All firms can proof susowness dogether to finance suscouch and development activities and thus show the benifits of suscouch.

(ii) Economics of helface:

Thou could be common facilities such as contren, industrial housing, hospitals and so on, which can be used in common by employed in whole industry.

Diseconomies of scale:

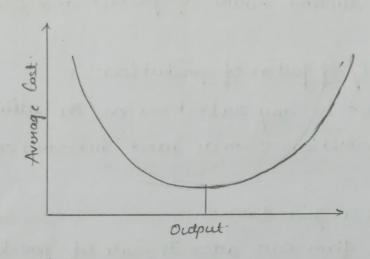
- The word disensemies supers to all those losses which account to the firm in the industry due to the expansion of their output beyond a certain limit.
- efficient it it becomes too large. The additional costs of becoming too large is called diseasonies of scale.

Enternal diseconomius

- (i) Bounkdown of sulationships with suppliers and buyers: When firm is small there is direct occlusions between occurrent managers and customers or suppliers. As of my grows these sulationships are hard to maintain.
- (ii) Competition for labour! More firms means tod demand for labour, making best workers harder to successit and keep
- (ii) incuasing employment costs: More firms meens teed demand

pushing up the price of labour-wages.

(iv) Traffic congestion: The firm grows, suppliers move in, the area becomes an industrial centre, the swads are cloqued with vehicles making eleliveres late



4) Mention the features of perfect competition thou the profit maninizing of level will be old emissed in the long sun. Features of perfect competition.

(i) Large number of buyers and sellers:

There should be significantly large no of buyers and sellers in market. The no should be so large that it should not make any difference in terms of price or quantity supplied even it one enter the market or leaves the market.

(ii) Emistera of Homogeneous product:

The products and servius of each seller should be homogeneous. They cannot be differentiated from one another. The price is one and the same in every firm. It makes no differente to the buyer whether he buyes from firm x or firm x.

(iii) Foundom to enter or enit the market:

Thou should not be any sustrictions on the poort of buyers and sellers to enter the morket or have the market. There

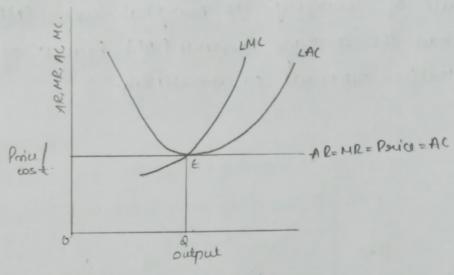
should not be any sustrictions.

- Each buyer and seller how total knowledge of the prices pocurailing in the market at every given point of time, quantity supplied, costs, demand, nature of product and other subarant information.
- the should not be any sustrictions on the utilisation of factors of production such as land, labour, capital and so on.
- An individual firm can attent its seate of production or

Sales without significantly affecting the market price of the market through its own inclinidual.

General steps to determine the profit-maximizing of pluel in long sun:

- 1) under land Market Cond's: including demand for its product -1 and prices at which it can sell its output
- 2) Minimi ze Long- sun Arevage Total Cost.
- 3) Equate Marginal cost and Marginal revenue.
- 4) Marinze profit: The profit-marinzing output level occurs when firm produces the quantity at which MR=Mc at that point the firm is producing an output level that maximizes its profit.
- 5) Firms in long own ned to adjust their capital and susumus to swach the profit maximizing output luck.



Poule output in case of long-our un der perfect competition.

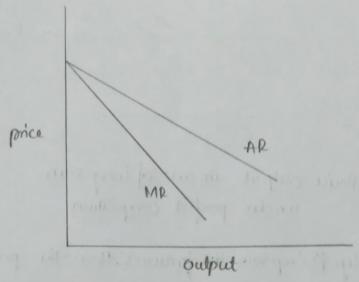
be determined under monopoly.

Monopoly outers to a situation where a single tirm is in a position to contoal either supply or posite of a particular product or service. It cannot control or determine both price and supply as it can't control demand.

features of Monopoly:

- i) There is a single from dualing in a particular product or a 1 service.
- 2) Thou are no close substitutes and no competitors. Railways had monopoly over distribution system till the good transport system dueloped in terms of full efficient lucky brucks.
- e) the monopolist can decide either the price or quartity not both
- 4) The products and sorvices provided by the monopolist bear inclustic demand
- special privileges sun as licenus, pounits, patent orights and so en.

In case of monopoly, the marginal surence (MP) is always less than the average surence (AP) because of the quantitative discounts or concessions.



In Monopoly MRKAR

Price output determination in a monopoly.

i) Monopoly and Arwage Revenue (AP)

In monopoly, At is downwood stoping when monopolist seeduces the price of their product the quantity demand tens and via verse

ii) Marginal Revenue (MR) and Average Revenue (AR):

- > In monopoly, MR lies below the average curve (AR). This means that for even add unit sold, the monopolist even less overence du so need to lower prices to sell more
- (ii) Bufit manimization:
- -> Monopolist goal is to manimize profits. This is achieved when MR = MC

in Marginal Revenue and Marginal cost:

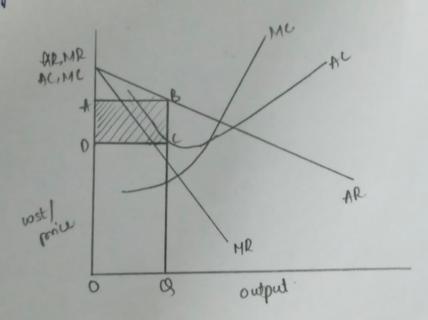
nonopolist continues do produce and sell as long as marginal sevenue (MR) > (MC). This ensures that add n production is production is

(v) Equilibrium proint:

is M. whou MR = MC.

(ii) Short - sun-profit:

-, In short own, the monopolist can even profits and equilibrium output and price are determined at point og and price OA, ousp.



Pource - output determination in Monopoly