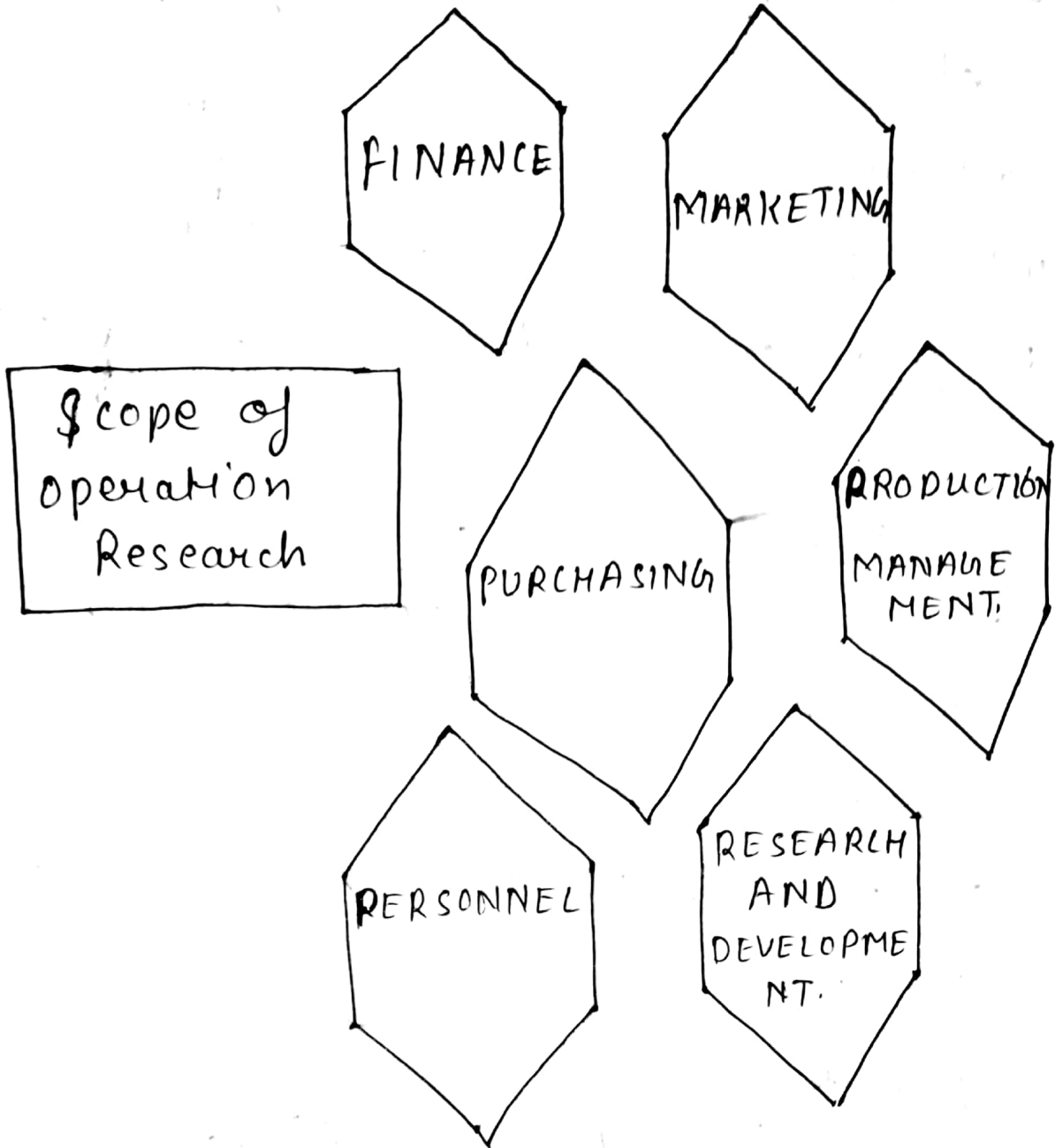


4(a)

# Scope of Operation research



## Finance

- To determine the profit plan for company.
- To decide on the best replacement policies etc

## Marketing

Where to allocate the product for sale so that the total cost of transportation is set to be minimum.

## In Personnel

To appoint highly suitable person on minimum salary.

## Production mgt.

To calculate the number of and size of the items to be replaced.

## Industry

O.R is helpful for the industry director in deciding optimum distribution of several limited resources like men, machines, materials.

40)

## Historical of operation research

Operations research (O.R) history, I discovered that history is not clear cut, different people have diverse views of the same event.

It is believed that Charles Babbage (1791 - 1871) is the father of operational research due to the fact that his research into the cost of transportation and sorting of mail resulted in England's universal Penny Post in 1840.

The name operations research evolved in the year 1940 During World War 2. a team of scientist (Blackett's Circus) in U.K applied scientific techniques to research

military operations to win the war and the techniques thus developed was named as operation research.