

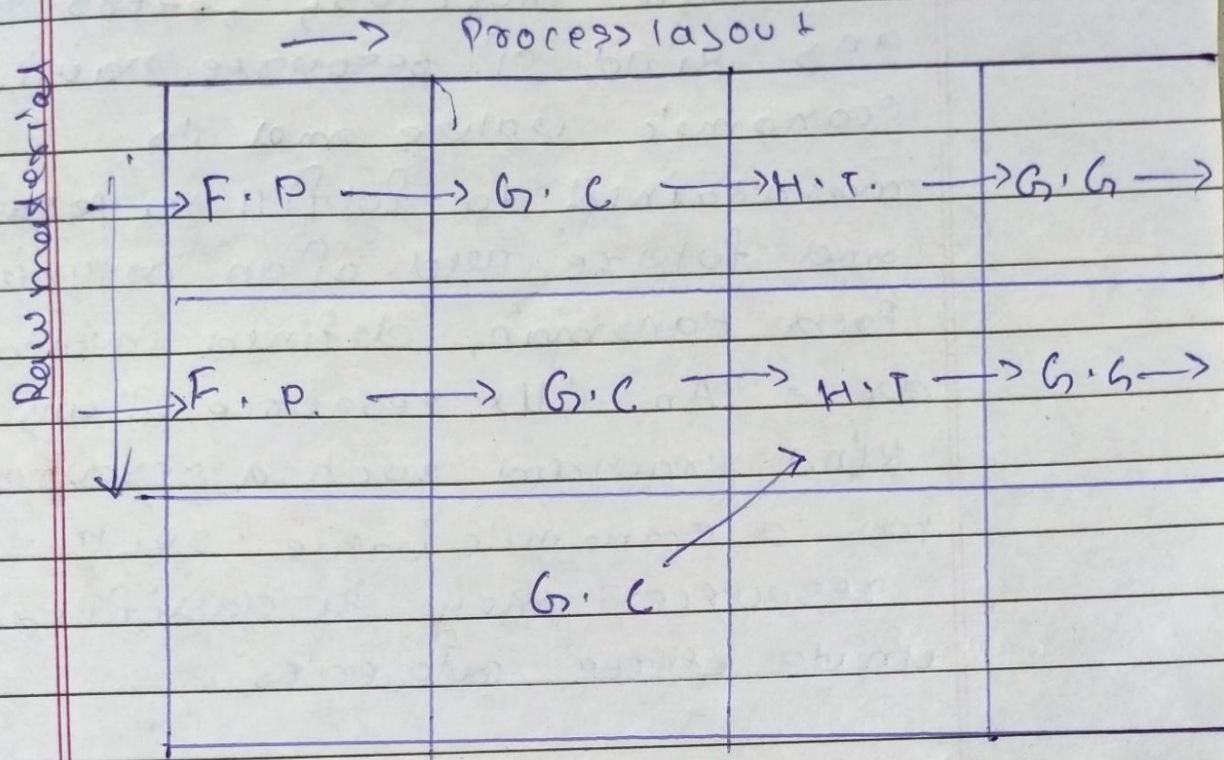
Ans 1

Combination layout

The application of the principle of product layout, process layout or fixed layout in their strict meaning is difficult to come across. A combination of the product and process layout, with an emphasis on either is noticed in most industrial establishments. Plants are never laid out in either pure form. It is possible to have both types in efficiently combined form in the products manufactured are somewhat and not complex.

In plant involving the fabrication parts and assembly the process layout while the assembly area often employ the product layout. In soap manufacturing plant, the machinery manufacturing plants.

combination layout + Hybrid layout for gear manufacturing



F.P = Forging Press
cutting Machine

G.C = Gear cutting machine

H.T = Heat Treatment

G.G = gear grinding

(Figure :- combination layout
Hybrid layout
for gear manufacturing.

#

Inventory

The word inventory refers to any kind of resource having economic value and is maintained to fulfill the present and future need of an organization. Fred Hansman, defined inventory as :- An idle resource of any kind provided such a resource has a economic value. Such resources may be classified into three categories

- (1) Physical resources
- (2) Human resources
- (3) Financial resources

Need of inventory

The inventory in any business is maintained to decrease the set up costs and the shortage cost. If the demands of the customers are not fulfilled then it may result in the loss of their good will.