



HindPhotostat



Hind Photostat & Book Store

Best Quality Classroom Topper Hand Written Notes to Crack GATE, IES, PSU's & Other Government Competitive/ Entrance Exams

MADE EASY
MECHANICAL ENGINEERING
Industrial Engineering
By-Saurbh Pandey Sir

- Theory
- Explanation
- Derivation
- Example
- Shortcuts
- Previous Years Question With Solution

Visit us:-www.hindphotostat.com

Courier Facility All Over India
(DTDC & INDIA POST)
Mob-9311989030



HindPhotostat



MADE EASY , IES MASTER , ACE ACADEMY , KREATRYX

**ESE , GATE, PSU BEST QUALITY TOPPER HAND WRITTEN NOTES
MINIMUM PRICE AVAILABLE @ OUR WEBSITE**

- | | |
|--------------------------------|---------------------------|
| 1. ELECTRONICS ENGINEERING | 2. ELECTRICAL ENGINEERING |
| 3. MECHANICAL ENGINEERING | 4. CIVIL ENGINEERING |
| 5. INSTRUMENTATION ENGINEERING | 6. COMPUTER SCIENCE |

IES , GATE , PSU TEST SERIES AVAILABLE @ OUR WEBSITE

❖ IES –PRELIMS & MAINS

❖ GATE

➤ **NOTE;- ALL ENGINEERING BRANCHS**

➤ **ALL PSUs PREVIOUS YEAR QUESTION PAPER @ OUR WEBSITE**

PUBLICATIONS BOOKS -

**MADE EASY , IES MASTER , ACE ACADEMY , KREATRYX , GATE ACADEMY , ARIHANT , GK
RAKESH YADAV , KD CAMPUS , FOUNDATION , MC –GRAW HILL (TMH) , PEARSON...OTHERS**

HEAVY DISCOUNTS BOOKS AVAILABLE @ OUR WEBSITE


F230, Lado Sarai New Delhi-110030 Phone: 9311 989 030	Shop No: 46 100 Futa M.G. Rd Near Made Easy Ghitorni, New Delhi-30 Phone:9711475393	F518 Near Kali Maa Mandir Lado Sarai New Delhi-110030 Phone: 9560 163 471	Shop No.7/8 Saidulajab Market Neb Sarai More, Saket, New Delhi-30
--	--	--	--

Website: www.hindPhotostat.com

Contact Us: 9311 989 030

Courier Facility All Over India

(DTDC & INDIA POST)



INDUSTRIAL ENGINEERING

→ SAURABH PANDY SIR

Saurabh Pandey Sir

9891395224

(whatsapp)

Pandesaurabh22@gmail.com

(Saurabh.Pande.35)

• Saurabh Pande Sir

- Introduction & BEA
- Inventory **
- Sequencing
- PERT- CPM **
- Forecasting **
- Line Balancing
- Queuing
- Linear Programming (Graphical, simplex, Transportation, Assignment)*
- MRP & JIT
- PPC & Plant Layout
- Lean Manufacturing

GATE → 6 marks
(4 to 8 marks)

ESE → Prelims (8 to 12 questions)

Mains → 60 marks

Books:

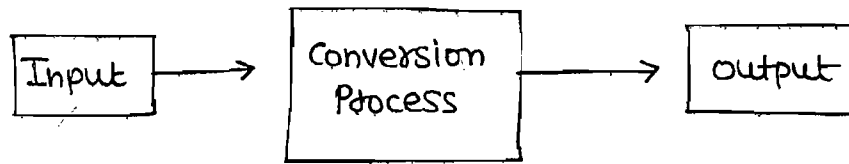
Hira & Gupta
or
Kanti Swarup
or
ND Vohra

→ For
OR

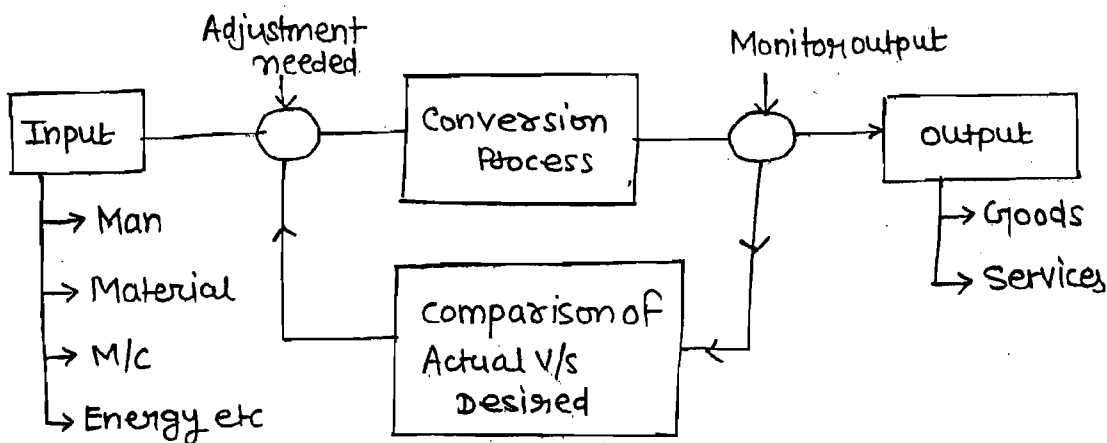
O.P. Khanna
or
Mahajan
or
Ravi Shankar

→ IE

Production: → It is a step by step value addition process of converting one form of material into another form to increase a utility of the product for the user



Production System: → It is an organised and effective process of converting Raw Material into final Product with a feedback loop



Productivity: →
$$\text{Productivity} = \frac{\text{Output}}{\text{Input}}$$

It is a quantitative ratio b/w what we produce and what we use as resources to produce them. Every organization always want to increase productivity by applying new technique and method.

Industrial Engineer: →

Industrial Engineer will be concerned with design, installation and improvement of production system, his objective is to eliminate unproductive operations from the production system in order to increase productivity.

Production Manager: → Production manager is concerned with planning, controlling and directing the day to day working of production system. his objective is to produce goods & services of high quality and quantity at predetermined time and cost.

• Cost in Production: →

1. Prime or direct Cost = Direct Material + Direct Labour + Direct Expenses

2. Factory overhead = Indirect Material + Indirect Labour + Indirect Expenses

or
Factory Expenses

→ Cutting fluid,
→ Grease, Lubricants,
→ Cotton, Jute, stationary
items etc.

→ Watchman,
Supervisor,
Higher
officers
etc.

→ Land, Rent
Telephone
bills,
facility
development,
Electricity bills
etc.

3. Factory Cost = Prime Cost + Factory overhead.

4. Total Cost = Factory Cost + Marketing, Advertising, transportation cost
etc.

5. Selling Cost = Total Cost + Profit