

# Production Technology Op Khanna

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**Casting Design and Performance** 2009  
**Journal of the Institution of  
Engineers (India).** 1973  
**Industrial Engineering in Apparel**

**Manufacturing** Dr. Prabir Jana, Dr.  
Manoj Tiwari 2020-03-11 While there  
is pressure (from buyers),  
inclination (within self to do  
better) and a heightened aspiration

among apparel manufacturers to use Industrial Engineering (IE) like other more industrialized sectors, there is no specific book as such dealing with IE in relation to apparel manufacturing. The existing books that are already written on IE possess academic rigour and generic functions applicable across industries, thus making it difficult for the practitioners to refer and clear discrete doubts related to apparel manufacturing. Undoubtedly, work study is the centrepiece of Industrial Engineering; however apart from work study, industrial engineers in apparel industry are also supposed to perform various other functions like preparing operation breakdown and operation flow chart, selecting machine type and attachment and workaids, planning machine layout for

maximizing unidirectional material movement, optimising inventory and storage space and maintaining workplace health and safety. These are some of the areas that often lack significant attention. This practitioner's handbook is an amalgamation of theory and practices, including steps of implementation and common mistakes. A balanced approach is taken to make it equally meaningful and useful for the academics as well as the industry. A unique section titled "industry practices" is incorporated at the end of each chapter which shares the typical practices, constraints and benefits accrued by the industry, which will give meaningful insight to the readers and help them relate theory with actual practice.

**Industrial Engineering and Production**

**Management** Martand T Telsang For close to 20 years, Industrial Engineering and Production Management has been a successful text for students of Mechanical, Production and Industrial Engineering while also being equally helpful for students of other courses including Management. Divided in 5 parts and 52 chapters, the text combines theory with examples to provide in-depth coverage of the subject.

A Textbook of Production Engineering  
P C Sharma 1999 This is the revised edition of the book with new chapters to incorporate the latest developments in the field. It contains approx. 200 problems from various competitive examinations (GATE, IES, IAS) have been included. The author does hope that with this, the utility of the book will be further enhanced.

Journal of the Institution of Engineers (India) Institution of Engineers (India) 1970

**Khanna's Multichoice Questions & Answers in Metallurgical Engineering**

O.P. Gupta 2017 This book is meant for diploma & degree student of metallurgical engineering for their academic programs as well as for various competitive examination for securing jobs. This book has been structured in three section. First section contains multiple choice type questions of various subjects of metallurgical engineering. Second section contains chapter wise question of GATE (Graduate Aptitude Test in Engineering) from 1991 to 2016. Third section contains SHORT QUESTIONS & ANSWERS in METALLURGICAL ENGINEERING. Fourth section contains APPENDICES containing Glossary of

terms related to Metallurgical Engineering and Q&A of GATE-2017. This book has been designed to serve as "Hand Book of Metallurgical Engineering" which will be useful for various competitive examinations for recruitment in various public sector & Private Sector companies as well as for GATE Examination. Question have been arranged subject wise and answers are given at the bottom of the page.

**A Textbook of Workshop Technology** RS Khurmi | JK Gupta 2008 A Textbook of workshop Technology(Manufacturing Processes)to the students of degree and diploma of all the Indian and foreign universities.The object of this book is to present the subject matter in a most concise,compact,to the point and lucid manner.While writing the book,we have constantly

kept in mind the various requirements of the students.No effort has been spared to enrich the book with simple language and self-explanatory diagrams.Every care has been taken not to make the book voluminous,as the students have also to face other subjects of equal importance.

**Operations Management and Systems Engineering** Anish Sachdeva 2020-08-26 This book comprises select peer-reviewed contributions from the 6th International Conference on Production and Industrial Engineering (CPIE – 2019). The volume focuses on latest research in the field of Industrial and Systems Engineering, and its allied areas. Articles on variety of topics such as Human Factors Engineering, Lean Manufacturing, Six Sigma, Logistics and Supply Chain Management,

Operations Research, Quality Engineering, Measurement and Control, Reliability and Maintenance Engineering, Green Supply Chain Management, Modelling and Simulation, Sustainability, Technology Management, Agile and Flexible Manufacturing, Technology Management and Computer Aided Manufacturing are discussed in this book. Given the range of topics covered, the book will be useful for students, researchers, and professionals interested in different areas of Industrial and Systems Engineering.

**Industrial Engineering And Management**  
O. P. Khanna 1980

**Foundry Technology** K.P. Sinha & D.B. Goel 2006-01-01 Introduction \* Mould Materials \* Sand Testing and Conditioning \* Core and Core Making \* Moulding Processes \* Solidification

of Castings \* Melting Practice \* Cleaning of Castings \* Heat Treatment of Castings \* Casting Defects \* Inspection \* Special Casting Processes \* Questions \* Bibliography \* Index.

*Manufacturing Science, 2/e* Ghosh 1999  
*Chemical Process Technology* O.P.

Gupta This book will be useful for degree & diploma Curriculum of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers(AMIE) and Indian Institute of chemical Engineers (AMIChE) etc. Salient Features of This Book \* Subject matter has been presented in simple, lucid & easy to understand language \* Covers all the topics included in the syllabus of various engineering colleges/Technical Institutes &

professional bodies examination papers.

### **Data-Driven Optimization of Manufacturing Processes**

Kalita, Kanak  
2020-12-25 All machining process are dependent on a number of inherent process parameters. It is of the utmost importance to find suitable combinations to all the process parameters so that the desired output response is optimized. While doing so may be nearly impossible or too expensive by carrying out experiments at all possible combinations, it may be done quickly and efficiently by using computational intelligence techniques. Due to the versatile nature of computational intelligence techniques, they can be used at different phases of the machining process design and optimization process. While powerful machine-

learning methods like gene expression programming (GEP), artificial neural network (ANN), support vector regression (SVM), and more can be used at an early phase of the design and optimization process to act as predictive models for the actual experiments, other metaheuristics-based methods like cuckoo search, ant colony optimization, particle swarm optimization, and others can be used to optimize these predictive models to find the optimal process parameter combination. These machining and optimization processes are the future of manufacturing. Data-Driven Optimization of Manufacturing Processes contains the latest research on the application of state-of-the-art computational intelligence techniques from both predictive modeling and optimization viewpoint

in both soft computing approaches and machining processes. The chapters provide solutions applicable to machining or manufacturing process problems and for optimizing the problems involved in other areas of mechanical, civil, and electrical engineering, making it a valuable reference tool. This book is addressed to engineers, scientists, practitioners, stakeholders, researchers, academicians, and students interested in the potential of recently developed powerful computational intelligence techniques towards improving the performance of machining processes.

**Khanna's Objective Type Questions & Answers in Chemical Engineering OP**

Gupta This book is meant for diploma students of chemical engineering and petroleum engineering both for their

academic programmes as well as for competitive examination. This book Contains 18 chapters covering the entire syllabus of diploma course in chemical engineering and petrochemical engineering. This book in its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types of written tests and interviews faced by chemical engineering and petrochemical engineering diploma students of the country. Since branch related subjects of petrochemical engineering are same as that of chemical engineering diploma students, so this book will be equally useful for diploma in petrochemical engineering students.

**Optimization and Business Improvement**

**Studies in Upstream Oil and Gas Industry** Sanjib Chowdhury 2016-08-01  
Delves into the core and functional areas in the upstream oil and gas industry covering a wide range of operations and processes Oil and gas exploration and production (E&P) activities are costly, risky and technology-intensive. With the rise in global demand for oil and fast depletion of easy reserves, the search for oil is directed to more difficult areas – deepwater, arctic region, hostile terrains; and future production is expected to come from increasingly difficult reserves – deeper horizon, low quality crude. All these are making E&P activities even more challenging in terms of operations, technology, cost and risk. Therefore, it is necessary to use scarce resources judiciously and

optimize strategies, cost and capital, and improve business performance in all spheres of E&P business. Optimization and Business Improvement Studies in Upstream Oil and Gas Industry contains eleven real-life optimization and business improvement studies that delve into the core E&P activities and functional areas covering a wide range of operations and processes. It uses various quantitative and qualitative techniques, such as Linear Programming, Queuing theory, Critical Path Analysis, Economic analysis, Best Practices Benchmark, Business Process Simplification etc. to optimize Productivity of drilling operations Controllable rig time loss Deepwater exploration strategy Rig move time and activity schedule Offshore supply vessel fleet size



Supply chain management system  
Strategic workforce and human  
resource productivity Base oil price  
for a country Standardize consumption  
of materials Develop uniform safety  
standards for offshore installations  
Improve organizational efficiency  
through business process  
simplification The book will be of  
immense interest to practicing  
managers, professionals and employees  
at all levels/ disciplines in oil and  
gas industry. It will also be useful  
to academicians, scholars,  
educational institutes, energy  
research institutes, and consultants  
dealing with oil and gas. The work  
can be used as a practical guide to  
upstream professionals and students  
in petroleum engineering programs.  
*PRODUCTION AND OPERATIONS MANAGEMENT*  
R.B. KHANNA 2015-06-01 This well-

balanced text with its fine blend of  
theory and applications, gives an in-  
depth understanding of production and  
operations management in an easy-to-  
understand style. Employing an  
innovative approach, the author,  
shows how the use of modern advanced  
technology gives a boost to  
production processes and  
significantly helps production and  
operations management. The book  
clearly demonstrates the use of  
special software packages to solve  
actual problems. Retaining the  
original contents, the book, divided  
into six parts, explains following in  
its second edition WHY Necessity of  
production and operations management  
WHAT Product/service design, product  
quality and other issues HOW Process  
design and related issues WHERE Plant  
location, layout and capacity WHEN

Planning and control of production operations WHO Human relations issues that affect production and operations Key features • Learning objectives at the beginning of each chapter enable readers to focus on important points of a chapter. • A concept quiz at the end of each chapter helps the reader to evaluate his understanding of the concepts explained in a chapter. • Numerous solved examples, and answers to all chapter-end numerical problems have been provided. • Covers Service Operations in almost every chapter in addition to the traditional manufacturing operations. • A section with 10 progressive short case studies gives real-world experience. • Chapter-end summary helps readers to review and recapitulate the key concepts. The students of management and engineering (mechanical,

production and industrial engineering) will be benefited with the book. An instructor manual containing PowerPoint slides and solutions to chapter-end problems is available. The book is recommended by AICTE for PGDM course. The link is [www.aicte-india.org/model syllabus.php](http://www.aicte-india.org/model syllabus.php) **Energy Technology** O.P. Gupta Energy Technology is an integral part of the degree, postgraduate & diploma curriculum of various branches of engineering. besides, it is also a compulsory paper for various associate membership examination conducted by professional bodies like institution of engineering (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineering (AMIChE), BEE etc. This book has been prepared strictly as per the syllabus of these

examinations. Short questions & answer and multiple-choice questions & answers drawn from the examination papers of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for the student.

*Material Science and Metallurgy:* Jindal 2011 Material Science and Metallurgy is presented in a user-friendly language and the diagrams give a clear view and concept. Solved problems, multiple choice questions and review questions are also integral part of the book. The contents of the book are

**Heat Treatment : Principles and Techniques** T. V. Rajan 2011-01-01  
**Macroeconomics** TR Jain, OP Khanna  
*Elements of Fuel & Combustion Technology* O.P. Gupta This book

contains detailed description of solid, liquid, gaseous fuels, combustion and furnaces. Beside short questions and answers and multiple choice questions & answers and multiple choice questions; answers drawn from the examination papers of various engineering Colleges and professional bodies examinations are also included. The book will be useful for degree & diploma curriculum of various branches of Engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineers (AMIChE), Institute of Chemicals etc.  
**Engineering Metrology and Measurements** Raghavendra, 2013-05  
Engineering Metrology and

Measurements is a textbook designed for students of mechanical, production and allied disciplines to facilitate learning of various shop-floor measurement techniques and also understand the basics of mechanical measurements.

**Recent Progress in Medicinal Plants: Crop Improvement, Production Technology, Trade and Commerce** V. K. Singh 2002

**Aircraft Production Technology**  
Douglas F. Horne 1986-07-31 The aircraft industry is being transformed by the introduction of new techniques in design, production, and testing. New techniques for forming, bonding and manufacturing with existing materials as well as the development of new materials have made a considerable impact on the industry. After a short historical

introduction, this book describes in detail operations and machinery concerned with light alloys, steels, nickel and titanium alloys, metal cutting, welding and brazing, surface and protective treatments, sheet metal working, non-metallic materials, assembly, inspection and testing. A final chapter describes estimating, planning and the role of computer aided design and machining (CAD/CAM).

**Proceedings** 1995

**Advances in Materials, Mechanical and Industrial Engineering** Prasanta Sahoo 2019-01-09 This book presents selected extended papers from The First International Conference on Mechanical Engineering (INCOM2018), realized at the Jadavpur University, Kolkata, India. The papers focus on diverse areas of mechanical

engineering and some innovative trends in mechanical engineering design, industrial practices and mechanical engineering education. Original, significant and visionary papers were selected for this edition, specially on interdisciplinary and emerging areas. All papers were peer-reviewed.

**Production Technology** R.k Jain 2012  
Foundry Technology Peter R. Beeley 1972

*Handbook of Universities* Ashish Kumar 2006 The Most Authentic Source Of Information On Higher Education In India The Handbook Of Universities, Deemed Universities, Colleges, Private Universities And Prominent Educational & Research Institutions Provides Much Needed Information On Degree And Diploma Awarding Universities And Institutions Of

National Importance That Impart General, Technical And Professional Education In India. Although Another Directory Of Similar Nature Is Available In The Market, The Distinct Feature Of The Present Handbook, That Makes It One Of Its Kind, Is That It Also Includes Entries And Details Of The Private Universities Functioning Across The Country. In This Handbook, The Universities Have Been Listed In An Alphabetical Order. This Facilitates Easy Location Of Their Names. In Addition To The Brief History Of These Universities, The Present Handbook Provides The Names Of Their Vice-Chancellor, Professors And Readers As Well As Their Faculties And Departments. It Also Acquaints The Readers With The Various Courses Of Studies Offered By Each University. It Is Hoped That The

Handbook In Its Present Form, Will Prove Immensely Helpful To The Aspiring Students In Choosing The Best Educational Institution For Their Career Enhancement. In Addition, It Will Also Prove Very Useful For The Publishers In Mailing Their Publicity Materials. Even The Suppliers Of Equipment And Services Required By These Educational Institutions Will Find It Highly Valuable.

**Agile Manufacturing Systems** K Hans Raj 2011-12-17 Agility has become very important for the industries today as the lifetimes of the products are continuously shrinking. This book provides an excellent opportunity for updating understanding of agile methods from the design, manufacturing and business process perspectives,

whether one is an industrial practitioner, academic researcher engineer or business graduate student. This volume is a compilation of various important aspects of agility consisting of systemic considerations in manufacturing, agile software systems, agile business systems, agile operations research, flexible manufacturing systems, advanced manufacturing systems with improved materials and mechanical behavior of products, agile aspects of design, clean and green manufacturing systems, environment, agile defence systems. Management Practices - Opportunities and Challenges BSR Moorthy, Dr Siva Kumar

**PLC Controls with Structured Text (ST)** Tom Mejer Antonsen 2019-03-14 This book gives an introduction to

Structured Text (ST), used in Programmable Logic Control (PLC). The book can be used for all types of PLC brands including Siemens Structured Control Language (SCL) and Programmable Automation Controllers (PAC). Contents: - Background, advantage and challenge when ST programming - Syntax and fundamental ST programming - Widespread guide to reasonable naming of variables - CTU, TOF, TON, CASE, STRUCT, ENUM, ARRAY, STRING - Guide to split-up into program modules and functions - More than 90 PLC code examples in black/white - FIFO, RND, 3D ARRAY and digital filter - Examples: From LADDER to ST programming - Guide to solve programming exercises Many clarifying explanations to the PLC code and focus on the fact that the reader should learn how to write a

stable, robust, readable, structured and clear code are also included in the book. Furthermore, the focus is that the reader will be able to write a PLC code, which does not require a specific PLC type and PLC code, which can be reused. The basis of the book is a material which is currently compiled with feedback from lecturers and students attending the AP Education in Automation Engineering at the local Dania Academy, "Erhvervsakademi Dania", Randers, Denmark. The material is thus currently updated so that it answers all the questions which the students typically ask through-out the period of studying. The author is Bachelor of Science in Electrical Engineering (B.Sc.E.E.) and has 25 years of experience within specification, development, programming and

supplying complex control solutions and supervision systems. The author is Assistant Professor and teaching PLC control systems at higher educations. LinkedIn:

[https://www.linkedin.com/in/tommejerson/](https://www.linkedin.com/in/tommejerson/https://www.linkedin.com/in/tommejerson/)

*Smart Electrical Grid System* Krishan Arora 2022-07-01 Smart technologies, such as artificial intelligence and machine learning, play a vital role in modeling, analysis, performance prediction, effective control, and utilization of smart energy systems. This book presents novel concepts in the development of smart cities and smart grids as well as discusses the technologies involved in producing efficient and economically feasible energy technologies around the world. It comprehensively covers important topics, including optimization

methods for smart grids, power converters, smart meters, load frequency control, automatic generation control, and power electronics for smart grids. This book focuses mainly on three areas of electrical engineering: control systems, power electronics, and renewable resources, including artificial intelligence for the development of smart electrical grids. Key Features • Clarifies how the smart grid plays an important role in modern smart technologies • Introduces the basic concepts of modernization of smart grid with the assumption of basic knowledge of mathematics and power systems • Describes the structure of technologies based on Internet of Things (IoT), which acts like a bridge to cover the gap between the



physical and virtual worlds required for the realization of the smart grid

- Includes practical examples of the smart grid and energy saving
- Illustrates the integration of renewable energy sources with worked examples
- Enables readers to engage with the immediate development of power systems by using smart approaches for future smart grids

Machine that Changed the World James P.. Womack 1990 Examines Japan's innovative, highly successful production methods

**Industrial Engineering and Management**  
S.C. Sharma, T.R. Banga 2017 The book "Industrial Engineering and Management" covers the syllabus of the subjects Industrial Engineering, Industrial Management, Production Planning and Control, Production Management, Engineering Economics and

Costing, Industrial Organization, Principles of Management prescribed by different Indian Universities. The book is also useful for the students of management courses, section B of AIME, and U.P.S.C Engineering Services Examination. Efforts have been made to present the subject-matter in concise, compact and simple language. The theoretical concepts have been supported by large number of numerical illustrations to provide clarity.

**Manufacturing Science** Ghosh  
1990-11-01

Production at the Leading Edge of Technology Bernd-Arno Behrens  
2021-09-04 This congress proceedings provides recent research on leading-edge manufacturing processes. The aim of this scientific congress is to work out diverse individual solutions

of "production at the leading edge of technology" and transferable methodological approaches. In addition, guest speakers with different backgrounds will give the congress participants food for thoughts, interpretations, views and suggestions. The manufacturing industry is currently undergoing a profound structural change, which on the one hand produces innovative solutions through the use of high-performance communication and information technology, and on the other hand is driven by new requirements for goods, especially in the mobility and energy sector. With the social discourse on how we should live and act primarily according to guidelines of sustainability, structural change is gaining increasing dynamic. It is essential

to translate politically specified sustainability goals into socially accepted and marketable technical solutions. Production research is meeting this challenge and will make important contributions and provide innovative solutions from different perspectives.

**Advances in Mechanical and Energy Technology** Sanjay Yadav 2022-06-20

This book presents the select proceedings the 2nd International Conference on Mechanical and Energy Technologies (ICMET 2021). The broad range of topics and issues covered are bulk deformation processes and sheet metal forming, composites, ceramics, and polymers processing, corrosion, heat treatment, microstructure and materials properties, energy materials, failure and fracture mechanics, friction,

wear, tribology, and surface engineering, functionally graded materials, cellular materials, low friction and corrosion resistive materials for energy applications, lubricants and lubrication, machinability and formability of materials, material science and engineering, and materials for energy storage. This book will be useful for students, researchers, and professionals working in the areas of mechanical and industrial engineering, energy technologies, and allied fields.

### **Engineering Materials and Metallurgy**

RK Rajput 2006 This treatise on Engineering Materials and Metallurgy contains comprehensive treatment of the matter in simple, lucid and direct language and envelopes a large number of figures which reinforce the text in the most efficient and effective way. The book comprises five chapters (excluding basic concepts) in all and fully and exhaustively covers the syllabus in the above mentioned subject of 4th Semester Mechanical, Production, Automobile Engineering and 2nd semester Mechanical disciplines of Anna University.