

## Syllabus For Diploma In Mechanical Engineering 6th Semester

### 2019 SSC JE MECHANICAL ENGINEERING SOLVED PAPERS

This book has been designed as a full programme of study for the most popular mechanical engineering option units followed by students on Mechanical Engineering, Manufacturing Engineering and Operations & Maintenance BTEC National Certificate and National Diploma courses. The author has structured the material so that manageable sections of text are complemented by in-text questions and features such as Test Your Knowledge, Activity and Maths in Action panels, making this an ideal book for student-centred classroom learning and independent study. Written for the new (2002) BTEC National specifications, this book will also be useful as an option unit resource for AVCE.

with The Boiler Operation Engineers' Rules, 2011 [As Amended by Notification No. G.S.R. 529(E) dt. 17-05-2016] The Boiler Attendants' Rules, 2011 [As Amended by Notification No. G.S.R. 528(E) dt. 17-05-2016] The Boiler Appeal Rules, 2013; The Central Boilers Board (Nomination of Members) Rules, 1961; The Revision Applications (Procedure) Rules, 1961; Statement of Objects and Reasons; List of Amending Acts

This book has been written for the

Medical/Pharmacy/Nursing/ME/M.TECH/BE/B.Tech students of All University with latest syllabus for ECE, EEE, CSE, IT, Mechanical, Bio Medical, Bio Tech, BCA, MCA and All B.Sc Department Students. The basic aim of this book is to provide a basic knowledge in Fundamentals of Mechanical Engineering. Fundamentals of Mechanical Engineering Syllabus students of degree, diploma & AMIE courses and a useful reference for these preparing for competitive examinations. All the concepts are explained in a simple, clear and complete manner to achieve progressive learning. This book is divided into five chapters. Each chapter is well supported with the necessary illustration practical examples.

This book has been written for the

Medical/Pharmacy/Nursing/ME/M.TECH/BE/B.Tech students of All University with latest syllabus for ECE, EEE, CSE, IT, Mechanical, Bio Medical, Bio Tech, BCA, MCA and All B.Sc Department Students. The basic aim of this book is to provide a basic knowledge in Mechanical Operations. Mechanical Operations Syllabus students of degree, diploma & AMIE courses and a useful reference for these preparing for competitive examinations. All the concepts are explained in a simple, clear and complete manner to achieve progressive learning. This book is divided into five chapters. Each chapter is well supported with the necessary illustration practical examples.

Presents the fundamentals in a simplified manner and in a Lucid, simple language. n A large number of worked examples and diagrams are given to illustrate the subject matter. n The book covers the syllabus of the subject usually taught at the degree and

## Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

diploma level in all Indian Universities and Technical Institutions Both MKS and SI units are adopted throughout the text n Methods to find out Dryness Fraction of Steam added in the existing Properties of Steam n Chapter on Methods of Lubrication added. n Chapter on Fuels and Combustion included n Chapters on Pumps, Steam Engines and Steam Turbines have been included.

This book is the most well-organised, useful and up to date about career guidance for all students. Covering more than 100 topics in fields that range from school to college. Students can check at a glance summary for chosen careers to learn about career paths, examinations and more. Today, We live and breathe in the information age where all knowledge is at our fingertips, but students get confused choosing career from the wide array of career fields available after 10th & 12th standard. All the career options have been given in this book. I have included here-

Career-----	1
2. After 10th Standard -----	5
2.1 HSC-----	5
2.2. -----	5
Diploma in Engineering (Polytechnic)-----	7
2.3. ITI-----	7
2.4. PARAMEDICAL-----	10
2.5. -----	10
3. After 12th Standard (Undergraduate Courses) -----	11
3.1. Engineering( B.E. / B.Tech)-----	15
3.2. Medical (M.B.B.S. / B.D.S. / B.A.M.S.)-----	18
3.3. Pharmacy(B.Pharm)-----	2
3.4. Paramedical (B.P.T.)-----	25
3.5. Biotechnology (Biotech)-----	27
3.6. Architecture (B.Arch) -----	30
3.7. Nursing (B.Sc)-----	33
3.8. Agricultures (B.Sc Agri.)-----	35
3.9. B.B.A. Or B.M.S-----	39
3.10.B.C.A. (Computer)-----	40
3.11. Law (L.L.B.)-----	42
3.12. Bachelor of Design (B.Des)-----	45
3.13. Science (B.Sc)-----	47
3.14. Bachelor of Mass Communication (B.M.C.)-----	49
3.15. Fishery (B.F.Sc)-----	51
3.16. Commerce (B.Com)-----	54
4. After Graduation-----	59
4.1. Engineering -----	59

# Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

(M.E. /M.Tech / M.S.)-----	59	4.2
Medical (M.D. / M.S./M.D.S./		
D.N.B.)-----	63	4.3. Pharmacy
(M.Pharm)-----	69	
4.4. Nursing		
(M.Sc)-----	7	
1 4.5. Paramedical-----		
-----	73	4.6. Biotechnology (M.Sc
Biotech)-----	76	4.7.
Architecture		
(M.Arch)-----	78	4.8.
Agriculture (M.Sc		
Agri.)-----	81	4.9.
M.B.A. or		
M.M.S.)-----	84	
4.10. M.C.A.		
(Computer)-----	87	
4.11. Master of Design		
(M.Des.)-----	89	4.12. Law (
L.L.M.)-----		
-92		4.13. Fishery
(M.F.Sc)-----	9	
4 4.14. Science		
(M.Sc)-----	96	
5. Career in Research & Development-----	99	5.1.
About Ph.D-----		
-----	99	5.2. Kishore Vaigyanik Protsahan Yojana
(KVPY)-----	101	5.3. ISRO-----
-----		
-----	103	5.4. DRDO-----
-----		
-----	106	5.5. ICMR-----
-----		
-108		5.6. CSIR-----
-----		
-----	110	5.7. BARC-----
-----		
-----		114
Diploma Courses After		6.
PG-----	117	6.1. Science Stream-
-----		
-----	117	6.1.1. Skin (Dermatology & Venereology,
Leprosy)-----	117	6.1.2.
Gynaecology & Obstetrics-----		
-----	120	6.1.3. Clinical Pathology-----
-----		
-----	122	6.1.4. Child Health (Pediatrics)-----
-----		
-----	124	6.1.5.
Microbiology-----		
-----	126	6.1.6. Anesthesia-----

# Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

-----128	6.2. Arts Stream-----	
129	6.2.1. Clinical Psychology & Psychiatry-----	129
	6.2.2. Acting and Modeling-----	131
	6.3. Commerce Stream-----	
-----132	6.3.1 Financial Services-----	
-----132	6.3.2. Taxation-----	
-----134	6.3.3. Accountancy-----	
-----135	6.3.4. Statistics-----	
		136
	7. Common Courses-----	
-----139	7.1. Hotel Management-----	
-----139	7.2. Nursing (Diploma)-----	
-----141	7.3. Health Education-----	
-----143	7.4. Nutrition & Dietitian-----	
-----145	7.5. Hospital Administration-----	
-----146	7.6. Mental Health-----	
-----148	7.7. Medical Lab Technology-----	
-----151	7.8. Speech Therapy & Adiology-----	
		153
	7.9. Camera Journalism-----	
-----155	7.10. Dental Mechanics-----	
-----156	7.11. Radiography-----	
-----158	7.12. Fitness Trainer-----	
-----160	7.13. Web & Multimedia Technology-----	
-----161	7.14. Career in Yoga-----	
-----162	7.15. Fashion Technology & Textile Designing-----	164
	7.16. Travel and Tourism Management-----	
-----166	7.17. Animation-----	
-----168	7.18. Ayurvedic Medicine-----	
-----169	7.19. Rural Development-----	
-----170	7.20. Jewellery Designing-----	
-----172	7.21. Make up Artist & Cosmetology-----	
-----173	8. Career In Film Industry-----	

## Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

-----177	9. Special Recruitment In Defence-----	
-----	-----183	9.1. Indian Army-----
-----	-----	-----
---186	9.2. Indian Navy-----	
-----	-----188	9.3. Indian Airforce-----
-----	-----	-----190
CID-----		9.4. CBI &
-----	-----193	9.5. State Police-----
-----	-----	-----195
Force (RPF)-----		9.6. Railway Protection
-----	-----197	9.7. Indian Coast Guard-----
-----	-----	-----199
India-----		10. Important Competative Examination In
-----	-----203	10.1. Union Public Service Commission
(UPSC)-----	-----204	10.2. Maharashtra Public Service Commission
(MPSC)-----	-----212	10.3. Graduate Aptitude Test in Engineering
(GATE)-----	-----214	10.4. Staff Selection Commission (SSC)---219
-----	-----223	10.5. Railway Recruitment Board (RRB)--223
-----	-----	10.6. Indian Institute Of Technology, Joint
-----	-----	Entrance Examination (IIT-JEE)-----226
-----	-----	10.7. Indian
-----	-----	Institute Of Technology, Joint Admission Test-----229
-----	-----	10.8. National Eligibility Cum-
-----	-----	Entrance Test (NEET)-----231
-----	-----	10.9.The National Aptitude Test in Architecture
(NATA)-----	-----233	10.10. Common Admission Test (CAT)-----235
-----	-----	10.11. Management Aptitude Test (MAT)-----237
-----	-----	10.12. Engineering
-----	-----	Services Examinations (ESE):IES-----238
-----	-----	10.13. Graduate Record Examination
(GRE)-----	-----243	10.14. Graduate Pharmacy Aptitude Test
(GPAT)-----	-----245	10.15. Common Law Admission Test
(CLAT)-----	-----247	10.16. Chartered Accountant- Common Proficiency Test
(CA-CPT)---249	10.17. LIC-GIC-----	-----250
-----	-----	10.18. All India Merchant Navy Entrance Test (AIMNET)-----252
-----	-----	10.19.
-----	-----	Maharashtra Council of Agricultural Education & Research (MCAER): CET-254
-----	-----	10.20.
-----	-----	Maharashtra Common Entrance Test (MH-CET)-----255
-----	-----	10.21.
-----	-----	Combined Defence Services (CDS)-----257
-----	-----	10.22. National
-----	-----	Defence Academy (NDA)-----258
-----	-----	10.23. Common Entrance
-----	-----	Examination for Design (CEED)-----260
-----	-----	10.24.
UCEED-----	-----	-----261
-----	-----	10.25.
-----	-----	Undergraduate Aptitude Test (UGAT)-----262
-----	-----	10.26.
-----	-----	AFCAT-----264
-----	-----	10.27. All India
-----	-----	Institute of Medical Sciences (AIIMS)-----267
-----	-----	10.28. Central Armed
-----	-----	Police Force (CAPF)-----268
-----	-----	10.29. BSNL
(JTO/MT/JE)-----	-----	-----270
-----	-----	10.30. Scholastic
-----	-----	Assessment Test (SAT)-----273
-----	-----	10.31. National Eligibility
-----	-----	Test (NET)-----275
-----	-----	10.32.
-----	-----	SNAP-----276
-----	-----	10.33. State
-----	-----	Eligibility Test ( SET)-----278
-----	-----	10.34. Graduate
-----	-----	Management Admission Test (GMAT)-----280
-----	-----	10.35.
-----	-----	TOEFL-----282
-----	-----	10.36. Banking
-----	-----	Recruitment-----283
-----	-----	10.36.1. State Bank Of

## Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

India(SBI)-----	283	10.36.2. The Institute Of
Banking Personal Selection (IBPS)-----	285	10.36.3. Reserve Bank Of
India (RBI)-----	287	10.36.4.
NABARD-----	289	11. Career in
Marine/Shipping-----	291	12. How to become a
pilot?-----	297	13. Career In
Sports-----	301	14. Government
Scholarships/Educational Loan-----	305	15. Personality
Development-----	313	15.1. Body
Language-----	314	15.2.
Concentration-----	316	15.3.
Shyness -----	317	15.4.
Public Speaking -----	319	15.5.
Soft Skills & Hard Skills -----	320	15.6.
Going to Interview-----	322	16. How
to study?-----	325	17. Mind &
Body-----	331	17.1.
Mind-----	331	17.2.
Body-----	334	18. Motivational/ Inspirational Stories-----
18. Motivational/ Inspirational Stories-----	335	19. Important
Websites-----	341	20.
Abbreviations-----	345	

Jagranjosh's Banking & SSC e-book April 2020 eBook is a one-stop solution to help students preparing for the upcoming SBI Clerk 2020, SSC JE 2019-20 and SSC CHSL 2019-20 Exams. All the chapters of this e-Book are reader-friendly and easy to understand. Our team at Jagranjosh.com wishes all the very best to the aspirants of Banking & SSC Exams. Key Feature Banking & SSC e-book April 2020 is prepared by subject matter expert team of Jagranjosh.com, who worked up the best to come up with this all-inclusive preparation package for SBI Clerk 2020, SSC JE 2019-20 and SSC CHSL 2019-20 Exams. The book includes a preparation strategy for SBI Clerk 2020, SSC JE 2019-20 and SSC CHSL 2019-20 Exams. This e-book also contains the practice questions for the SBI Clerk 2020 & SSC CHSL 2019-20 Exam. Apart from this, the book also has extensive coverage of important events throughout the month.

Learning to use a CAD system is compulsory for engineers and designers. It is necessary to begin with the basic alphabets of AutoCAD and learn how to use it correctly and effectively through continuous practice. CAD systems create designs using basic geometric entities and many constructions used in technical designs. Universities, engineering colleges, polytechnics and ITIs of our country have also modified their syllabi according to industry needs and have introduced 'AutoCAD' as an important sessional subject. As per AICTE guided syllabus for diploma level of engineering, AutoCAD 2D and 3D have been introduced in the subject 'Professional Practice-I' in 3rd semester and 'Professional Practice-II' in 4th semester in most of the branches (mechanical, civil, automobile, architecture, electrical, etc.). This book will be invaluable for the students of Professional Practice-I. SALIENT FEATURES • Use of the latest version of software AutoCAD 2014 • Easy for those using earlier version of

## Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

AutoCAD in which ribbon concept was not included • Variety of worked-out examples as per AICTE recommended syllabus • Step-by-step command prompts • Detailed applications of each command with explanation • Examples for every topic • Command sequences given for every example for the beginner

This book has been written for BE/B.Tech students of All University with latest syllabus for Mechanical Engineering Department Students of Kinematics Of Machinery. It is also useful for All Knowledge Interested Students of Kinematics Of Machinery syllabus. The basic aim of this book is to provide a basic knowledge in Kinematics of machinery for engineering students of degree, diploma & AMIE courses and a useful reference for these preparing for competitive examinations. All the concepts are explained in a simple, clear and complete manner to achieve progressive learning Two marks questions and answers, Short & Long answer questions are provided at the end of each chapters.

Mechanical Engineering is a simple e-Book for Mechanical Diploma & Engineering Course, Revised Syllabus in 2018, It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & Important about Engineering Physics, Applied Mechanics, Engineering Drawing/Graphics, Material Science, Mechanical Drafting, Communication Skills, Basic Civil Engineering, Manufacturing Engineering, Fluid Mechanics, Thermal Engineering, Thermodynamics Theory of Machines, Strength of Materials, CADD, Applied Electronics and Electrical Engineering, Metrology and Instrumentation, CADD (Computer Aided Machine Design and Drawing), Plant Maintenance and Safety, Thermal Engineering, Computer Aided Manufacturing, Design of Machine Elements, Tool Engineering, Manufacturing Engineering, Industrial Manufacturing, Industrial Design and lots more.

The subject 'Mechanical Engineering Drawing' has been introduced in 3rd semester for Mechanical engineering groups as per model syllabus issued by the All India Council for Technical Education with effect from 2011 for diploma level of engineering courses in India. The conventions used in this book are as per BIS-SP-46-1988. This book is written elaborately using simple words to realize every chapter even without help of a teacher. Objects are shown in 3D model, which helps the students about the object during drawing. Assembled drawings are shown in half and full sections including offset section to visualize the interior of the object. It covers all the features of the entire syllabus of 'Mechanical Engineering Drawing'. **KEY FEATURES** • Convention used as per BIS- SP-46-1988 • All the problems are explained in details • Example on every topic with drawings • Assembly drawings with sectional views • 3D model of all components • All drawings are made using AutoCAD software

About the quality management of an institution.

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

The 1st edition of book entitled "Design of Machine Elements" for IIIrd Year Diploma, Semester VI in Diploma in Mechanical Engineering Group as per the syllabus prescribed by SBTE. We have observed the students facing extreme difficulties in understanding the basic principles and fundamental concepts without adequate solved

# Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

problems along with the text. To meet this basic requirement of students, sincere efforts have been made to present the subject matter with frequent use of figures and lots of numerical examples.

This book follows the West Bengal Polytechnic syllabus for mechanical branch. The book is written in S I units. Notations used are as per Indian Standard Codes. Apart from West Bengal Polytechnic students of mechanical branch, it is hoped that students of other states that follow similar syllabus may also find it a useful textbook. The subject is developed systematically, using simple English and a large number of figures. At the end of each chapter a set of problems are presented along with answers so that the students can check their ability to solve problems. To enhance the ability of students to answer semester questions and examinations, a set of descriptive type, fill in the blanks type, identifying true/false type and multiple choice questions are also given. **KEY FEATURES** • 100 per cent coverage of new syllabus • Emphasis on practice of numericals for guaranteed success in exams • Lucidity and simplicity maintained throughout • Nationally acclaimed author of over 40 books

This book has been written for the Medical/Pharmacy/Nursing/ME/M.TECH/BE/B.Tech students of All University with latest syllabus for ECE, EEE, CSE, IT, Mechanical, Bio Medical, Bio Tech, BCA, MCA and All B.Sc Department Students. The basic aim of this book is to provide a basic knowledge in Mechanical Operations. Mechanical Operations Syllabus students of degree, diploma & AMIE courses and a useful reference for these preparing for competitive examinations. All the concepts are explained in a simple, clear and complete manner to achieve progressive learning. This book is divided into five chapters. Each chapter is well supported with the necessary illustration practical examples.

## SSC JE MECHANICAL ENGINEERING NUMERICAL FORMULA BOOK SOLVED PAPERS

Manufacturing Engineering is a simple e-Book for Manufacturing Diploma & Engineering Course, Revised Syllabus in 2018, It contains objective questions with underlined & bold correct answers MCQ covering all topics including all about the latest & Important about Engineering Science, Computer Studies, Engineering Drawing and CADD, Workshop Technology, Production Planning, Manufacturing Processes, Industrial Automation, C++ Programming, Theory of Machines, Kinematics & Dynamics, Mechanical and Structural Engineering, Thermodynamic, Fluid and Process Engineering, Engineering Materials, CNC and CAD/CAM Technology, Engineering Perspectives & Skills, Industrial Management Studies (Engineering) and lots more.

????????????????,????????????,????????????,????????????,????????????,????,????????????????????,????,????????????????????.

Engineering Education has emerged as a fast developing 'discipline' in itself with universities across the world opening up exclusive 'Departments of Engineering Education' which is also impacting the socio-economic system in India. Most of



## Download Free Syllabus For Diploma In Mechanical Engineering 6th Semester

the engineering institutions in India are part of the 'hub-and-spoke' university education system unique to India. Scientifically developing the 'Outcome-based Curriculum' (OBC) uniformly across India has been a daunting task, due to the dearth of an authentic book on OBC addressing the need of the Indian Engineering Education System. This being the first book of its kind in India and with OBC serving as the 'Constitution' of 'Outcome-based Education' (OBE), it will go a long way to address this need. The unique feature of this book is that it is replete with examples to explain the various concepts of planning, designing and implementing the OBC in engineering institutions. Different aspects of Outcome-based Teaching Learning (OBTL) and Outcome-based Assessment (OBA) are also discussed vividly. Apart from the examples weaved into the lucidly written seven chapters, additional examples and important formats are provided in the 'Annexures'; another unique feature of this book. Every engineering UG, PG, or Diploma teacher would be happy to possess a personal copy of this book for 24x7 access which will help to clear their doubts as it arises then and there. **TARGET AUDIENCE** • Technical Instruction • Technical Teacher Trainers • Curriculum Specialists/Instructional Designers • Education Policy Makers What the reviewers' say "The technical education has to adopt Outcome-Based Curriculum and there was a dire need of authentic literature which would serve as a base document for scientifically developing OBC. The book reflects the expertise of both the authors who have more than 30 years of experience in industry and academics in designing and implementing different variants of OBC for various technical education programmes. Such a book will serve as a reference for future generations to avoid 're-inventing the wheel again and again." —Dr. M.P. Poonia, Vice-Chairman, AICTE "National Institute of Technical Teacher Training and Research (NITTTR) Bhopal has been spearheading different forms of OBC for the last five decades in which the authors have contributed substantially. Care has been taken such that this book will not only benefit the Indian engineering education system, but also the engineering teaching fraternity at the international context."—Dr. C. Thangaraj, Director, NITTTR Bhopal

[Copyright: 6efb52df62e522cf418edbfcb28bfef1a](#)