

Mechanical Books Details

Semester	Subject	Reference books
7th	Refrigeration and air conditioning	<ol style="list-style-type: none"> 1. C.P. Arora, 'Refrigeration and Conditioning', Tata McGraw Hill 2. Manohar Prasad, 'Refrigeration and Conditioning', Wiley Eastern Limited 3. Jordan and Priester, 'Refrigeration and Conditioning', Prentice Hall of India 4. W.F. Stoecker, 'Refrigeration and Conditioning', McGraw Hill 5. Arora & Domkundwar, 'Refrigeration and Air conditioning', Dhanpat Rai.
	Mechanical Vibration	<ol style="list-style-type: none"> 1. G.K. Grover, 'Mechanical Vibrations', Hem Chand and Bros 2. K.K. Pujara, 'Mechanical Vibrations', Dhanpat Rai and Sons, Delhi 3. V.P. Singh, 'Mechanical Vibrations', Dhanpat Rai and Sons, Delhi 4. Debabrata Nag, 'Mechanical Vibration', John Wiley India 5. Thomson, 'Mechanical Vibration', Prentice Hall
	Non Destructive Testing	<ol style="list-style-type: none"> 1. H.E. Davies, G.E. Troxell and G.F.W. Hauck, 'The Testing of Engineering Materials', McGraw Hill 2. W.H. Armstrong, Mechanical Inspection, McGraw Hill. 3. P.J. Shull, 'Nondestructive Evaluation - Theory, Techniques, and Applications', Marcel Decker Inc., 2002 4. D.E. Bray and R.K. Stanley, 'Non-destructive Evaluation - A Tool in Design, Manufacturing and Service', CRC Press, 1996 5. 'NDT Hand Books', Vol 1-17, ASNT Press, OH, USA, 2012 6. Baldev Raj, T. Jaya Kumar, 'Practical Non-destructive Testing', Woodhead Publishing Ltd., 2002 7. Paul E. Mix, 'Introduction to NDT: A Training Guide', John Wiley, 2005.
5th	Design of machine elements-I	<ol style="list-style-type: none"> 1. V.B. Bhandari, 'Design of Machine Elements', Tata McGraw Hill, New Delhi, 2007 2. J. Shigley, 'Mechanical Engineering Design', McGraw Hill Book Company Inc., New York, 2003 3. M.F. Spotts and T.E. Shoup, 'Design of Machine Elements', Pearson Education, New Delhi, 2003 4. R.L. Norton, 'Machine Design: An Integrated Approach', Pearson Education, New Delhi, 2006 5. C.S. Sharma and K. Purohit, 'Design of Machine Elements', Prentice Hall, New Delhi, 2003. <p>Design data book is not allowed.</p>

Mechanical Measurement and Metrology	<ol style="list-style-type: none"> 1. E.O. Doebelin, 'Measurement System: Application and Design', McGraw Hill, 2008 2. A. Bewoor and V. Kulkarni, 'Metrology and Measurement', McGraw-Hill, 2009 3. R.K. Rajput, 'Mechanical Measurement and Instrumentations', S.K. Kataria Publishers, 2012 4. Morris Alan S., 'The Essence of Measurement', Prentice Hall of India, 1996
Automobile Engineering	<ol style="list-style-type: none"> 1. Kamaraju Ramakrishna, 'Automobile Engineering', PHI Course, New Delhi, 2012 2. Jain & Asthana, 'Automobile Engineering', Tata McGraw-Hill, New Delhi, 2002. 3. W.H. Crouse, 'Automotive Mechanics', McGraw Hill 4. J. Heitner, 'Automotive Mechanics', East West Press 5. Kirpal Singh, 'Automobile Engineering', Vol. I and II, Standard Publishers 6. J. Webster, 'Auto Mechanics', Glencoe Publishing Co. 7. P.S Gill, 'Automobile Engineering', S.K. Kataria
Industrial Automation and Robotics	<ol style="list-style-type: none"> 1. Anthony Esposito, 'Fluid Power with Applications', Pearson Publications. 2. S.R. Majumdar, 'Pneumatic Control', McGraw Hill Publications. 3. S.R. Deb, 'Robotic Technology and Flexible Automation', Tata McGraw Hill Publications. 4. Saeed B. Niku, 'Introduction to Robotics', Wiley India. 5. Ashitava Ghosal, 'Robotics', Oxford Publications.
Soft Skill-III	<ol style="list-style-type: none"> 1. K. Alex, S. Chand Publishers 2. R.C. Sharma and Krishna Mohan, 'Business Correspondence and Report Writing', TMH, New Delhi, 2016 3. N. Krishnaswami and T. Sriraman, 'Creative English for Communication', Macmillan 4. Penrose, John M., et al., 'Business Communication for Managers', Thomson South Western, New Delhi, 2007 5. Holtz, Shel, 'Corporate Conversations', PHI, New Delhi, 2007.
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3rd	Fluid Mechanics	<ol style="list-style-type: none"> 1. S.K. Som, G. Biswas and S. Chakraborty, "Introduction to Fluid Mechanics and Fluid Machines", Tata McGraw Hill Publications, 3rd edition, 2011 2. D.S. Kumar, "Fluid Mechanics and Fluid Power Engineering", S.K. Kataria and Sons Publishers, 1st Edition, 2009 3. C.S.P. Ojha, R. Berndtsson and P.N. Chandramouli, "Fluid Mechanics and Machinery", Oxford University Press, 1st Edition, 2010 4. Y.A. Cengel and J.M. Cimbala, "Fluid Mechanics - Fundamentals and Applications", Tata McGraw Hill Publications, 3rd Edition, 2013 5. V.L. Streeter, E.B. Wylie and K.W. Bedford, "Fluid Mechanics", McGraw Hill Book Company, New York, 9th Edition, 1998 6. Frank M. White, "Fluid Mechanics", Tata McGraw Hill Publications, 5th Edition, 2012.
	Theory of Machine-I	<ol style="list-style-type: none"> 1. S. S. Rattan, Theory of Machines, Tata McGraw Hill, New Delhi 2. Jagdish Lal, Theory of Mechanisms & Machines, Metropolitan Book Co. 3. Thomas Beven, Theory of Machines, Longman's Green & Co., London 4. W. G. Green, Theory of Machines, Blackie & Sons, London 5. V.P. Singh, Theory of Machines, Dhanpat Rai.
	Machine Drawing	<ol style="list-style-type: none"> 1. P.S Gill, "Machine Drawing", S K Kataria and sons, 18th edition, 2017 reprint 2. N.D.Bhatt, "Machine Drawing". Charotar publications, 49th edition, 2014 3. Ajeet Singh, "Machine Drawing (including Auto CAD)", Tata McGraw Hill, 2nd edition, 2012 4. G. Pohit, "Machine Drawing with Auto CAD", Pearson Education Asia, 2007 5. IS code SP 46(2003): Engineering Drawing Practice for schools and colleges by Bureau of Indian Standards.
	Basic Electronics Engineering	<ol style="list-style-type: none"> 1. David. A. Bell (2003), Laboratory Manual for Electronic Devices and Circuits, Prentice Hall, India 2. Santiram Kal (2002), Basic Electronics- Devices, Circuits and IT Fundamentals, Prentice Hall, India 3. Thomas L. Floyd and R. P. Jain (2009), Digital Fundamentals by Pearson Education 4. Paul B. Zbar, A.P. Malvino and M.A. Miller (2009), Basic Electronics – A Text-Lab. Manual, TMH 5. R. T. Paynter (2009), Introductory Electronic Devices & Circuits, Conventional Flow Version, Pearson.

	Strength of Materials-I	<ol style="list-style-type: none"> 1. Timoshenko and Gere, "Mechanics of Materials", CBS Publishers and Distributors, New Delhi 2. Pytel&Kiusalaas, "Mechanics of Materials", Cengage Learning, New Delhi 3. S. S. Rattan, "Strength of Materials", Tata McGraw Hill, New Delhi 4. R. K. Bansal, "A Text Book of Strength of Materials", Laxmi Publications, New Delhi 5. D. K. Singh, "Strength of Materials", Ane Books Pvt. Ltd., New Delhi 6. Sadhu Singh, Strength of Materials, Khanna Publishers, Delhi.
	Basic Thermodynamics	<ol style="list-style-type: none"> 1. Sonntag R. E, Borgnakke C. and Van Wylen G. J., Fundamentals of Thermodynamics, Wiley India Pvt. Ltd. 2. Jones, J. B. and Duggan R. E., Engineering Thermodynamics, Prentice-Hall of India 3. Moran M. J. and Shapiro H. N., Fundamentals of Engineering Thermodynamics, John Wiley and Sons 4. Nag P.K., Engineering Thermodynamics, Tata McGraw-Hill Publishing Co. Ltd. 5. Mahesh Rathore, Thermal Engineering, McGraw-Hill Education (India) Pvt. Ltd. 6. R. Yadav, Sanjay and Rajay, Applied Thermodynamics, Central Publishing House.