

Laboratory Manual and Record for Physics and Chemistry is

Available and every student has to buy it (Cost Rs 220/ per set)

Other essential books Branch wise is given below. You may buy this as per the instruction by the Class Advisors during orientation

B Tech -Aero Space Engineering

First Semester

Mathematics

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Physics

“Concept of Modern Physics”, Arthur Beiser, Tata-McGraw Hill, 6^h Edition.

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ Engineering Drawing Plane and Solid Geometry” , 42e, Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

Engineering Mechanics

Hibbeler R C, “Engineering Mechanics- Statics” John Weiley & Sons, 2003 **(OR)**

Beer F P & Johnson E R, Vector Mechanics for Engineers- Statics and Dynamics, 8/e, Mc Graw Hill international Book Co, 2008

Anderson J D, Introduction to flight, 7th Edition Mc Graw Hill, 2009

B Tech Electrical and Electronics Engineering

Mathematics

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ Engineering Drawing Plane and Solid Geometry” , 42e, Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Physics :

“**Concept of Modern Physics**”, *Arthur Beiser, Tata-McGraw Hill, 6^h Edition.*

Electrical Technology, Edward Hughes, Seventh Edition, Pearson Education Asia, 2011

A P Malvino” Electronic Principles, Seventh Edition, Tata Mc Graw Hill 2007

R C Hibbler” Engineering Mechanics-Statics” Pearson Education Asia, 2012

Y A Cengel and Michael A Boles, “Thermodynamics- An Engineering Approach” Tata Mc Graw Hill, 2014

V K Manglik, Elements of Mechanical Engineering” PHI Learning Pvt Ltd, 2013

B Tech Electronics and Communication /Electronics and Instrumentation

First Semester

Mathematics

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Physics :

“**Concept of Modern Physics**”, *Arthur Beiser, Tata-McGraw Hill, 6th Edition.*

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ **Engineering Drawing Plane and Solid Geometry**” , 42e, Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

Ben G Streetman and Sanjay Kumar Banerjee, ”Solid State Electronic Devices” Prentice Hall India, Sixth Edition 2009

Donald A Neamen, “Semiconductor Physics and Basic Principles” Mc Graw-Hill International, Third Edition, 2003

Electrical Technology, Edward Hughes, Seventh Edition, Pearson Education Asia, 2011

A P Malvino” Electronic Principles, Seventh Edition, Tata Mc Graw Hill 2007

B Tech -Computer Science and Engineering

First Semester

Mathematics

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ Engineering Drawing Plane and Solid Geometry” , 42e, Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Physics :

“**Concept of Modern Physics**”, *Arthur Beiser, Tata-McGraw Hill, 6^h Edition.*

J Glenn Brookshear, Computer Science: An overview”, Addison-Wesley, Twelfth Edition 2014

Electrical Technology, Edward Hughes, Seventh Edition, Pearson Education Asia, 2011

A P Malvino” Electronic Principles, Seventh Edition, Tata Mc Graw Hill 2007

B Tech -Mechanical Engineering

First Semester

Mathematics

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Physics :

“Concept of Modern Physics”, *Arthur Beiser, Tata-McGraw Hill, 6^h Edition.*

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ Engineering Drawing Plane and Solid Geometry” , 42e,
Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

Hibbeler R C, “Engineering Mechanics- Statics” John Weiley & Sons, 2003 **(OR)**

Beer F P & Johnson E R, Vector Mechanics for Engineers- Statics and Dynamics, 8/e, Mc Graw Hill international Book Co, 2008

B Tech Chemical Engineering

First Semester

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Physics :

“**Concept of Modern Physics**”, *Arthur Beiser, Tata-McGraw Hill, 6^h Edition.*

Engineering Drawing

Bhat N.D. and Panchal V.M. , “ Engineering Drawing Plane and Solid Geometry” , 42e, Charoatar Publishing House,

Computational Thinking – (In house - Soft copy will be made available)

English – (In house will be distributed in class).

Cultural Education – (In house will be distributed in class)

Second Semester

Chemistry

Chemistry Fundamentals for Engineers, Tata Mc - Graw Hill for Higher Education

K A Solen and J N Harb, “ Introduction to Chemical Engineering- Tools for Today and Tomorrow-5th Edition, Wiley, 2011

S Pushpavanam, “ introduction to Chemical Engineering”, Prentice Hall India, 2012

Bhatt B L and Vora S M, Stoichiometry, 3rd Edition, Tata Mc Graw Hill, New Delhi, 1996

Narayanan K V and Lakshmikutty B “ Stoichiometry and Process Calculation, Prentice Hall India, 2009

Murphy R M, Introduction to Chemical Processes, Principles, Analysis , Synthesis, Mc Graw Hill International Edition, New York, 2007

B Tech Civil Engineering

First Semester

1. 'Calculus', G.B. Thomas, Pearson Education, 2009, Eleventh Edition.
2. 'Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

Physics :

“Concept of Modern Physics”, Arthur Beiser, Tata-McGraw Hill, 6th Edition.

Engineering Drawing

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Chemistry

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Beer F P & Johnson E R, Vector Mechanics for Engineers- Statics and Dynamics, 8/e, Mc Graw Hill international Book Co, 2008(**OR**)

Shames I H “ Engineering Mechanics- Statics and Dynamics, 4/e, Prentice Hall of India Pvt Ltd, 2003

**Essential Books for First Semester and Second Semester of Five Year
Integrated M Sc Mathematics**

Mathematics 'Calculus', G.B. Thomas Pearson Education, 2009, Eleventh Edition.

Advanced Engineering Mathematics', Erwin Kreyszig, John Wiley and Sons, 2015, Tenth Edition.

**Essential Books for First Semester and Second Semester of Five Year
Integrated M Sc Physics**

Principles of Physics, Halliday, Resnick, Jearl Walker, Wiley, 9th Extended Edition, 2013

Mathematics 'Calculus', G.B. Thomas Pearson Education, 2009, Eleventh Edition.

**Essential Books for First Semester and Second Semester of Five Year
Integrated M Sc Chemistry**

Physical Chemistry, Puri and Sharma

Inorganic Chemistry, Puri and Sharma