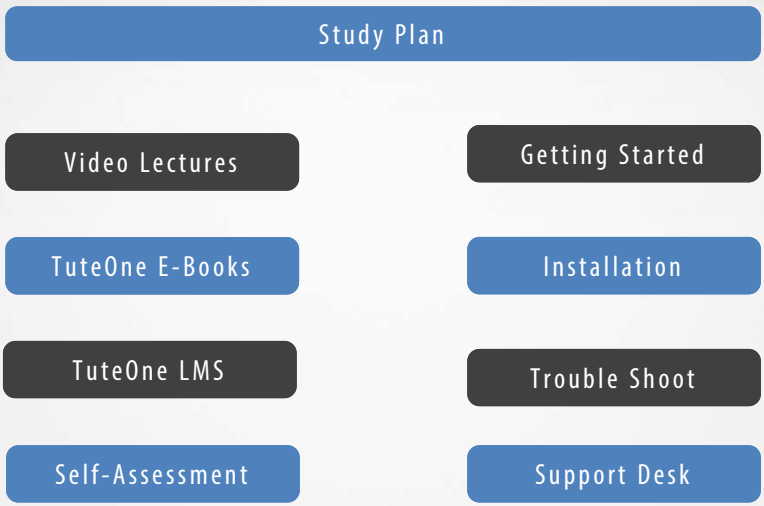
TuteOne COURSE MANUAL

KEAM Engg. – Learning eKit



BACK TO HOME

A hearty and a warm welcome to TuteOne!

We are extremely overwhelmed to welcome you to TuteOne when you are at the tip of your toes and getting ready for the most valuable and most challenging time period of their academic career. Our vision is to deliver a highly effective student-centric coaching; to create optimistic and inspirational minds. We wish to take you one step ahead to success. With deep respect, We would like to conclude with Dr. APJ Abdul Kalam Sir's quote "If you want to shine like a sun, first burn like a sun."
We wish you all a very bright future ahead!

This is the installation and usage documentation for the TuteOne study materials. Depending on the package you selected TuteOne course materials contains Video Sessions, E-Books and Self-Assessment App. The links to download course materials are provided in this user's manual. For the video materials you can choose either Windows or Android system. If you choose the higher package then a unique login name and a password would be provided to access online software through which effective communication and assessments are implemented.

Course Name : KEAM Engg. Video Course

Support Email : tuteone2015@gmail.com

Website : http://tuteone.com

WhatsApp : +91 8547481148

The video study material requires unique activation key to view the videos. TuteOne will provide only one activation key either for android or for windows. Be careful while choosing the device (TAB, LAPTOP, etc). We prefer PC/Laptop for more effectiveness

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Getting Started

TuteOne study materials are arranged in the following manner. Video lectures, Self-assessment App, MCQ E-book, Practice Test series. These facilities will be provided as per the package you purchased.
Video session covers precise theory and relevant MCQs. Self-assessment app is used to test your understanding of the video lectures. E-books are the collection of MCQ pools with solutions to sharpen your entrance cracking skills. The test series is to make you ready for exam.

Key to Success!

- Watch & learn video lectures thoroughly to have a foundation
- Test your level of understanding with the self-assessment app
- Go through the MCQ E-Books to deepen your knowledge base
- Go through maximum test series to sharpen you competency

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Study Plan

MODULES

Learning Schedule

MODULE 1	MODULE 2	MODULE 3
PHYSICS	PHYSICS	PHYSICS
Electric Charges and Field; Electrostatic Potential and Capacitance; Magnetism and Matter	Current Electricity; Semiconductor Electronics	Motion in Plane; Moving Charges and Magnetism
CHEMISTRY	CHEMISTRY	CHEMISTRY
Some Basic Concepts of Chemistry; States of Matter; The Solid State	Classification of Elements and Periodicity in Properties; Environmental Chemistry; Surface Chemistry; General Principles and Processes of Isolation of Elements	Equilibrium; Chemical Kinetics
MATHEMATICS	MATHEMATICS	MATHEMATICS
Sets, Relations and Functions, Inequalities, Statistics	Trigonometric and Inverse Trigonometric Functions	Complex Numbers, Sequences and Series

MODULE 4	MODULE 5	MODULE 6
PHYSICS	PHYSICS	PHYSICS
Oscillations and Waves; Wave Optics	Gravitation; Ray Optics and Optical Instruments	Electromagnetic Induction; Alternating Current; Electromagnetic Waves; Communication Systems
CHEMISTRY	CHEMISTRY	CHEMISTRY
Redox Reactions; Thermodynamics; Electrochemistry	Structure of Atom; Chemical Bonding and Molecular Structure; Co-ordination Compounds	Hydrogen; The s-Block Elements; Solutions
MATHEMATICS	MATHEMATICS	MATHEMATICS
Straight Lines, Conic Sections	Permutation, Combination and Binomial Theorem	Matrices and Determinants & Probability

MODULE 7	MODULE 8
PHYSICS	PHYSICS
Motion in a Straight Line; Laws of Motion; Work, Energy and Power	System of Particles and Rotational Motion; Dual Nature of Matter and Radiation; Atoms and Nuclei
CHEMISTRY	CHEMISTRY
The p-Block Elements; The d & f Block Elements; Biomolecules; Chemistry in Everyday Life	Organic Chemistry – Some Basic Principles and Techniques; Hydrocarbons
MATHEMATICS	MATHEMATICS
Limits, Continuity and Differentiability	Integral Calculus

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MODULE 9	MODULE 10
PHYSICS	PHYSICS
Mechanical Properties of Solids; Mechanical Properties of Fluids	Units & Measurements; Thermal Properties of Matter; Thermodynamics; Kinetic Theory of Gases
CHEMISTRY	CHEMISTRY
Alcohols, Phenols and Ethers; Haloalkanes and Haloarenes	Aldehydes, Ketones and Carboxylic Acids; Amines; Polymers
MATHEMATICS	MATHEMATICS
Area, Differential Equations and Application of Derivatives	Vectors, Three Dimensional Geometry and Mathematical Reasoning

DATE	MODULE	VIDEO LECTURE SESSION	PRACTICE SESSION	EXAM:OMR SHEET	REVISION
1/4/2019	PHYSICS M1	7am - 10am	11am – 1.30pm	2pm – 3pm M1/60	EVENING
2/4/2019	CHEMISTRY M1	7am - 10am	11am – 1.30pm	2pm – 3pm M1/60	EVENING
3/4/2019	MATHEMATICS M1	7am - 10am	11am – 1.30pm	2pm – 3pm M1/60	EVENING
4/4/2019	PHYSICS M2	7am - 10am	11am – 1.30pm	2pm – 3pm M2/60	EVENING
5/4/2019	CHEMISTRY M2	7am - 10am	11am – 1.30pm	2pm – 3pm M2/60	EVENING
6/4/2019	MATHEMATICS M2	7am - 10am	11am – 1.30pm	2pm – 3pm M2/60	EVENING
7/4/2019	PHYSICS M3	7am - 10am	11am – 1.30pm	2pm – 3pm M3/60	EVENING
8/4/2019	CHEMISTRY M3	7am - 10am	11am – 1.30pm	2pm – 3pm M3/60	EVENING
9/4/2019	MATHEMATICS M3	7am - 10am	11am – 1.30pm	2pm – 3pm M3/60	EVENING
10/4/2019	PHYSICS M4	7am - 10am	11am – 1.30pm	2pm – 3pm M4/60	EVENING
11/4/2019	CHEMISTRY M4	7am - 10am	11am – 1.30pm	2pm – 3pm M4/60	EVENING
12/4/2019	MATHEMATICS M4	7am - 10am	11am – 1.30pm	2pm – 3pm M4/60	EVENING
13/4/2019	PHYSICS M5	7am - 10am	11am – 1.30pm	2pm – 3pm M5/60	EVENING
14/4/2019	CHEMISTRY M5	7am - 10am	11am – 1.30pm	2pm – 3pm M5/60	EVENING
15/4/2019	MATHEMATICS M5	7am - 10am	11am – 1.30pm	2pm – 3pm M5/60	EVENING
16/4/2019	PHYSICS M6	7am - 10am	11am – 1.30pm	2pm – 3pm M6/60	EVENING
17/4/2019	CHEMISTRY M6	7am - 10am	11am – 1.30pm	2pm – 3pm M6/60	EVENING
18/4/2019	MATHEMATICS M6	7am - 10am	11am – 1.30pm	2pm – 3pm M6/60	EVENING
19/4/2019	PHYSICS M7	7am - 10am	11am – 1.30pm	2pm – 3pm M7/60	EVENING
20/4/2019	CHEMISTRY M7	7am - 10am	11am – 1.30pm	2pm – 3pm M7/60	EVENING
21/4/2019	MATHEMATICS M7	7am - 10am	11am – 1.30pm	2pm – 3pm M7/60	EVENING
22/4/2019	PHYSICS M8	7am - 10am	11am – 1.30pm	2pm – 3pm M8/60	EVENING
23/4/2019	CHEMISTRY M8	7am - 10am	11am – 1.30pm	2pm – 3pm M8/60	EVENING
24/4/2019	MATHEMATICS M8	7am - 10am	11am – 1.30pm	2pm – 3pm M8/60	EVENING
25/4/2019	PHYSICS M9	7am - 10am	11am – 1.30pm	2pm – 3pm M9/60	EVENING
26/4/2019	CHEMISTRY M9	7am - 10am	11am – 1.30pm	2pm – 3pm M9/60	EVENING
27/4/2019	MATHEMATICS M9	7am - 10am	11am – 1.30pm	2pm – 3pm M9/60	EVENING
28/4/2019	PHYSICS M10	7am - 10am	11am – 1.30pm	2pm – 3pm M10/60	EVENING
29/4/2019	CHEMISTRY M10	7am - 10am	11am – 1.30pm	2pm – 3pm M10/60	EVENING
	MATHEMATICS		11am – 1.30pm	2pm – 3pm M10/60	EVENING

MODEL EXAMINATIONS		
1/5/2019	MODULE 1-10/ 180 10am – 1pm	MODULE 1-10/ 180 2m – 5pm
2/5/2019	MODULE 1-10/ 180 10am – 1pm	MODULE 1-10/ 180 2m – 5pm

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Video Lectures

WINDOWS

- PHYSICS
- CHEMISTRY
- MATHEMATICS

ANDROID

- PHYSICS
- CHEMISTRY
- MATHEMATICS

PHYSICS VIDEO LECTURES - WINDOWS

MODULE 1

Electric Charges and Field; Electrostatic Potential and Capacitance; Magnetism and Matter

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Current Electricity; Semiconductor Electronics

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 3

Motion in Plane; Moving Charges and Magnetism

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 4

Oscillations and Waves; Wave Optics

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 5

Gravitation; Ray Optics and Optical Instruments

Theory | QA Part1 | QA Part2 | QA Part3

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PHYSICS

MODULE 6

Electromagnetic Induction; Alternating Current; Electromagnetic Waves; Communication Systems

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 7

Motion in a Straight Line; Laws of Motion; Work, Energy and Power

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

System of Particles and Rotational Motion; Dual Nature of Matter and Radiation; Atoms and Nuclei

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 9

Mechanical Properties of Solids; Mechanical Properties of Fluids

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 10

Units & Measurements; Thermal Properties of Matter; Thermodynamics; Kinetic Theory of Gases

Theory | QA Part1 | QA Part2 | QA Part3

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CHEMISTRY VIDEO LECTURES - WINDOWS

MODULE 1

Some Basic Concepts of Chemistry; States of Matter; The Solid State

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Classification of Elements and Periodicity in Properties; Environmental Chemistry; Surface Chemistry; General Principles and Processes of Isolation of Elements

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 3

Equilibrium; Chemical Kinetics

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 4

Redox Reactions; Thermodynamics; Electrochemistry

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 5

Structure of Atom; Chemical Bonding and Molecular Structure; Co-ordination Compounds

Theory | QA Part1 | QA Part2 | QA Part3

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CHEMISTRY

MODULE 6

Hydrogen; The s-Block Elements; Solutions

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 7

The p-Block Elements; The d & f Block Elements; Biomolecules; Chemistry in Everyday Life

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

Organic Chemistry – Some Basic Principles and Techniques; Hydrocarbons

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 9

Alcohols, Phenols and Ethers; Haloalkanes and Haloarenes

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 10

Aldehydes, Ketones and Carboxylic Acids; Amines; Polymers

Theory | QA Part1 | QA Part2 | QA Part3

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MATHEMATICS VIDEO LECTURES - WINDOWS

MODULE 1

Biological Classification; Plant Kingdom; Morphology of Flowering Plants

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Anatomy of Flowering Plants; Cell: The Basic Unit of Life; Cell Cycle and Cell Division

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 3

Mineral Nutrition; Photosynthesis in Higher Plants; Respiration in Plants

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 4

Transport in Plants; Reproduction in Organisms; Sexual Reproduction in Flowering Plants; Biotechnology: Principles and Processes; Biotechnology and Its Applications

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 5

Plant Growth and Development; Organisms and Populations; Ecosystem; Environmental Issues; Strategies for Enhancement in Food Production

Theory | QA Part1 | QA Part2 | QA Part3

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MATHEMATICS

MODULE 6

Living World; Animal Kingdom; Structural Organization in Animals; Biomolecules

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 7

Digestion and Absorption; Breathing and Exchange of Gases; Body Fluids and Circulation; Locomotion and Movement

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

Human Reproduction; Reproductive Health; Neural Control and Coordination; Chemical Coordination and Integration

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 9

Principles of Inheritance and Variation; Molecular Basis of Inheritance; Evolution

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 10

Excretory Products and Their Elimination; Human Health and Disease; Microbes in Human Welfare; Biodiversity and Conservation

Theory | QA Part1 | QA Part2 | QA Part3

PHYSICS VIDEO LECTURES - ANDROID

MODULE 1

Electric Charges and Field; Electrostatic Potential and Capacitance; Magnetism and Matter

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Current Electricity; Semiconductor Electronics

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 3

Motion in Plane; Moving Charges and Magnetism

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 4

Oscillations and Waves; Wave Optics

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 5

Gravitation; Ray Optics and Optical Instruments

Theory | QA Part1 | QA Part2 | QA Part3

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PHYSICS

MODULE 6

Electromagnetic Induction; Alternating Current; Electromagnetic Waves; Communication Systems

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 7

Motion in a Straight Line; Laws of Motion; Work, Energy and Power

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

System of Particles and Rotational Motion; Dual Nature of Matter and Radiation; Atoms and Nuclei

Theory | QA Part1 | QA Part2 | QA Part3

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MODULE 10

Units & Measurements; Thermal Properties of Matter; Thermodynamics; Kinetic Theory of Gases

Theory | QA Part1 | QA Part2 | QA Part3

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CHEMISTRY VIDEO LECTURES - ANDROID

MODULE 1

Some Basic Concepts of Chemistry; States of Matter; The Solid State

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Classification of Elements and Periodicity in Properties; Environmental Chemistry; Surface Chemistry; General Principles and Processes of Isolation of Elements

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Redox Reactions; Thermodynamics; Electrochemistry

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MODULE 5

Structure of Atom; Chemical Bonding and Molecular Structure; Co-ordination Compounds

Theory | QA Part1 | QA Part2 | QA Part3

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CHEMISTRY

MODULE 6

Hydrogen; The s-Block Elements; Solutions

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 7

The p-Block Elements; The d & f Block Elements; Biomolecules; Chemistry in Everyday Life

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

Organic Chemistry – Some Basic Principles and Techniques; Hydrocarbons

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 9

Alcohols, Phenols and Ethers; Haloalkanes and Haloarenes

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 10

Aldehydes, Ketones and Carboxylic Acids; Amines; Polymers

Theory | QA Part1 | QA Part2 | QA Part3

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MATHEMATICS VIDEO LECTURES - ANDROID

MODULE 1

Biological Classification; Plant Kingdom; Morphology of Flowering Plants

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 2

Anatomy of Flowering Plants; Cell: The Basic Unit of Life; Cell Cycle and Cell Division

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 3

Mineral Nutrition; Photosynthesis in Higher Plants; Respiration in Plants

Theory | QA Part1 | QA Part2 | QA Part3

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MODULE 6

Living World; Animal Kingdom; Structural Organization in Animals; Biomolecules

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Digestion and Absorption; Breathing and Exchange of Gases; Body Fluids and Circulation; Locomotion and Movement

Theory | QA Part1 | QA Part2 | QA Part3

MODULE 8

Human Reproduction; Reproductive Health; Neural Control and Coordination; Chemical Coordination and Integration

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Theory | QA Part1 | QA Part2 | QA Part3

MODULE 10

Excretory Products and Their Elimination; Human Health and Disease; Microbes in Human Welfare; Biodiversity and Conservation

Theory | QA Part1 | QA Part2 | QA Part3

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You can download TuteOne KEAM Engg. Ebooks using the below links

PHYSICS

CHEMISTRY

MATHEMATICS

TuteOne LMS

Tuteone Learning Management System (LMS) presents you a pool of numerous practice questions for KEAM Engg. stream. You will be allowed to attend the questionnaire only for the subjects you have opted according to the Tuteone package.You will get the answer key and a review after attempting the entire set of questions.
You need username and password to login LMS. It will be provided based on your package

TuteOne LMS

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Video QA self-assessment app

Video QA self-assessment app is prepared to assess problem solving skill based on the MCQ discussed in video sessions.

How to use?

Download the zipped app file and extract to a folder. Locate the index.html file. Open it in any web-browser like Chrome, Firefox, etc. You can use it in any device that support html files and web-browsers.

Self-Assessment App

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Call / WhatsApp **+91 8547481148**

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