



# KISII NATIONAL POLYTECHNIC

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P.O. Box 222 - 40200

Tel: 058-20319558

KISII - KENYA



KNP/IMS/REG/F003

## MECHANICAL & AUTOMOTIVE ENGINEERING DEPARTMENT

### EQUIPMENT / MATERIALS REQUIRED DURING ADMISSION

#### GENERAL

1. Set of Technical Drawing Equipment: 30° and 45° Tee Square, A pair of Compasses and Scale Rule
2. Scientific Calculator ( FX)
3. Workshop Overall ( Navy Blue)
4. Low Heeled Black Leather Shoes
5. Drawing Board 600mm × 400mm or more

#### BOOKS

Buy at least one in each category

##### A. MATHEMATICS

1. Further Engineering Mathematics By S.M. Stroud
2. Mathematics for Engineering By S.F Hancock
3. Mathematics for Mechanical and Production Engineering level 4 By Jack Morris
4. Technical Mathematics Book 2 & 3 By Birth & May

##### B. ENGINEERING DRAWING AND SKETCHING YEAR 1, 2, 3

1. Geometrical and Engineering Drawing By K.C Morling
2. Basic Engineering Drawing By R.S Rhodos & L.B Cook
3. Engineering Drawing and Design By Cicil Jensen
4. Engineering Drawing For Motor For Vehicle Technicians By S.J. Zammit

##### C. VEHICLE TECHNOLOGY YEAR 1, 2 & 3

1. Fundamentals Of Motor Vehicle Technology By V.A W Hillieir
2. Motor Vehicle Technology Vol. 2-4 By S.C. Mudd

##### D. STRENGTH OF MATERIAL YEAR 1, 2 & 3



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1. Strength Of Material By R.C Stephens
2. Mechanical Engineering Science BY John Hannah

## E. THERMODYNAMICS YEAR 2 & 3

1. Basic Engineering Thermodynamics in S I Units Rayner Joel
2. Thermodynamics By John Mcconkey
3. Applied Thermodynamics By Mayhew

## F. FLUID MECHANICS YEAR 3

1. Mechanics Fluid By F. Douglas
2. Fluid Mechanics By Dugdale

## G. MECHANICS OF MECHANICS YEAR 2 & 3

1. Mechanics Of Machines By P.D Collins
2. Applied Mechanics By J. Hannah & Hillier

