

KISII NATIONAL POLYTECHNIC

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KISII

DATE:

DIPLOMA IN AUTOMOTIVE ENGINEERING

EQUIPMENT/MATERIALS REQUIRED

GENERAL

1. Set of technical drawing equipments:-30o & 45o; tee square, 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 x 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. Technician mathematics book 2 & 3 by Birch and 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 Cecil Jensen
4. Engineering drawing for motor vehicle technicians by S.J. Zammit

C. VEHICLE TECHNOLOGY YEAR 1,2, & 3

1. Fundamentals of motor vehicle technology by V.A.W. Hillier
2. Motor Vehicle Technology Vol. 2-4 by S.C. Mudd

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

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 SI 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 MACHINES YEAR 2 & 3

1. Mechanics of machines by P.D. Collins
2. Applied mechanics by J. Hannah & Hillier