



KIAMBU INSTITUTE OF SCIENCE & TECHNOLOGY

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**MECHANICAL ENGINEERING DEPARTMENT**

**MECHANICAL ENGINEERING PRODUCTION OPTION**

**REQUIREMENTS FOR CERTIFICATE IN MECHANICAL ENGINEERING**

**LIST OF STATIONERY**

1. 1 (One) Ream of foolscaps
2. 1 (One) Spring file
3. Writing materials throughout the course

**BOOKS**

1. Production Technology by R. K Jain
2. Mathematics for craft engineering students by Kamau &Uppal
3. Applied Science by R. C Stephens.
4. Strength of materials by R. C Stephens.
5. Mechanics of Machine by R. C Stephens.
6. Technician Mathematics by J.O Bird BK I, II AND III
7. Geometric and Engineering Drawing by K.Morling
8. Scientific calculator- FX82MS

**TECHNICAL DRAWING REQUIREMENTS**

1. Tee Square fitting to the drawing board
2. 200mm 45<sup>0</sup> clear plastic set square
3. 250mm 30<sup>0</sup> and 60<sup>0</sup> clear plastic set square
4. 150mm Clear transparent plastic protractor
5. Plastic ruler, 2H ,H and HB Pencil eraser and Sharpener
6. Engineering drawing set box

**WORKSHOP REQUIREMENTS**

1. Navy Blue Dust coat/Overall
2. Closed leather shoes

**N/B**

**Students are encouraged to have a laptop or tablet/Smartphone**



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**MECHANICAL ENGINEERING DEPARTMENT**

**MECHANICAL ENGINEERING PRODUCTION OPTION**

**REQUIREMENTS FOR DIPLOMA IN MECHANICAL ENGINEERING - PRODUCTION OPTION**

**LIST OF STATIONERY**

1. 1 (One) Ream of foolscaps
2. 1 (One) Spring file
3. Writing materials throughout the course

**BOOKS**

- 1 Production Technology by R. K Jain.
- 2 Applied mathematics by Stroud-Year 1
- 3 Theory of Machines by R.S khurmi & J.K Gupta – Year II
- 4 Applied thermodynamics for engineering technologist by T.D East and A.Mcconkey
- 5 Geometric and Engineering Drawing by K. Morling
- 6 Fluid mechanics Volume 1 and II by J.F Douglas – Year III
- 7 Scientific calculator- FX82MS

**TECHNICAL DRAWING REQUIREMENTS**

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