

PRECISION SURVO INSTRUMENTS
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ITI TRAINEES KITS (New Syllabus)

TRAINEE'S KIT FOR TRADE – DRAUGHTSMAN (CIVIL)

- 1 **Drawing Instruments Box** containing one 15cm Compass with pin point & Lengthening bar, one pair Spring Bows, Compass with rotating attachment inter-changeable ink and pencil points, Drawing Pens with plain point & cross point, Screw Driver & box of leads.
b) ----- do ----- **with ordinary compass**
- 2 **Protractor** 15cm plastic semi-circular
- 3 **Scale set card board** in case (Metric) set of 8
1:1, 1:2; 1:3; 1:6;1:2.5 ;1:5;1:4;1:8; 1:10; 1:20; 1:12;1:24; 1:50; 1:100;1:6;1:32;1:200;
1:500;1:35;1:72;1:300;1:600;1:48;1:96;1:400 ; 1:800;1:60;1:120; 1:1000; 1:2000
- 4 **Scales plotting metric 30cm** long with offset scales made of plastic. Set of 6
- 5 **Set Square** transparent 2mm thick with beveled edges 45degree & 60degree 20cm & 25cm pair (Moulded)
- 6 **Tee - Square 1250mm**
- 7 **Template (Architects & Builders)**

GENERAL MACHINERY SHOP

- 1 **Geometrical Models** (wooden) (set of 8 models)
- 2 **Temptale Circle**
Temptale Ellipse
Temptale Furniture
- 3 **French Curves Set plastic set of 12**
- 4 **Flexible Curves 80cm long**
- 5 **Radius Curve 3mm to 15 mm**
- 6 **Brass Parallel Rulers in a case**
- 7 **Calculator (FX)**
- 8 **Proportional Dividers 15cm**

SURVEY INSTRUMENTS

- 1 **Steel Tape 30mt.**
- 2 **DIGITAL THEODOLITE (AVEREX / SETL make)**
Accuracy 02 second , minimum readout 01 second . Complete in Box with accessories and Aluminium Telescopic Tripod Stand in waterproof cover .
- 3 **Total Station 02 second accuracy complete with prism pole , target and heavy duty stand**
Make - AVEREC / Cygnus
- 4 **GPS (Make - Garmin)** hand held models
 - a) Etrex 10
 - b) Etrex 20
 - c) Etrex 30
- 5 **AUTOLEVEL (Imported)**
 - a) (SOKKIA - B40) 24X, in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .
 - b) (AVEREX / SETL) 24X , in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .
 - c) (SUN/Chinese) 24X , in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .

List Of Furniture

- 1 **Drawing Table with Board 1250x900 (board made of Pine Wood) (set without stool)**

TRAINEE'S KIT FOR TRADE – SURVEYOR

- 1 **Drawing Instruments Box** containing one 15cm Compass with pin point & Lengthening bar, one pair Spring Bows, Compass with rotating attachment inter-changeable ink and pencil points, Drawing Pens with plain point & cross point, Screw Driver & box of leads.
b) ----- do ----- **with ordinary compass**
- 2 **Protractor full circular (plastic 150mm dia)**
- 3 **Card Board Scales (8 in one box)**
1:1, 1:2; 1:3; 1:6;1:2.5 ;1:5;1:4;1:8; 1:10; 1:20; 1:12;1:24; 1:50; 1:100;1:6;1:32;1:200;
1:500;1:35;1:72;1:300;1:600;1:48;1:96;1:400 ; 1:800;1:60;1:120; 1:1000; 1:2000
- 4 **Scale diagonal , electroplated**
- 5 **Set Square** transparent 2mm thick with beveled edges 45degree & 60degree 280mm
- 6 **Tee - Square 1250mm**
- 7 **Mini Drafter**
- 8 **Erasing Shield small size made of plastic sheet**
b) Erasing Shield small size made of stainless steel sheet
- 9 **Template (Architects & Builders)**
- 10 **Chisel steel 80mm blade**
- 11 **French Curves Set plastic set of 12**
- 12 **Abney Level**
- 13 **Ammonia Printing Machine with single tube , continuous type , electrical operated**
Ammonia Printing Machine with 3 tubes , continuous type , electrical operated
- 14 **Ammonia Printing Box 120x35x35cm made of plywood**
- 15 **Box Sextant**
- 16 **Boning Rod (set of 2)**
- 17 **Binocular (CHINA)**
- 18 **Celon Ghat Tracer with stand and target**
- 19 **Scientific Calculator (8 digits)**
- 20 **Computing Scales two hectares**
- 21 **Computing Scales five hectares**
- 22 **Cross Staff wooden box type with pole**
- 23 **Cross Staff aluminium open type with pole**
- 24 **Board Drawing 1250mm x 900mm 1st quality , made of pine wood with stand**
b) **Board Drawing 1250mm x 900mm II nd quality , made of wood with stand**
- 25 **Engineer's Chain 30mt.**
- 26 **Engineer's Level with stand**
- 28 **Dumpy Level with stand**
- 29 **AUTOLEVEL (Imported)**
a) (SOKKIA - B40) 24X, in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .
e) (SETL) 24X , in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .
g) (SUN/Chinese) 24X , in fibre case with Aluminium Telescopic Tripod Stand in waterproof cover .
- 30 **Tilting Level**
- 31 **Fire Extinguisher (hand held type)**
- 32 **Gunters Chain**
- 33 **Hand Press for numbering and lettering**
- 34 **Haversack (Canvass bag for keeping tools)**
- 35 **Height Indicator**
- 36 **Hold all canvas for instruments**
- 37 **Light Tracing Board fitted glass, lamp and frame (glass and bulb not provided)**
- 38 **Levelling Staff Telescopic**
- 39 **Metric Chain**
a) 20mt
b) 30mt.
- 40 **Magnifying Glass**
- 41 **Magnet Bar (for magnetizing trough compass needles) in pair**
- 42 **Plastic tube container for keeping drawings**
- 43 **Pen Knife**
- 44 **Pentagraph**
- 45 **Prismatic Compass with aluminium stand**
- 46 **Planimeter Mechanical**
- 47 **Planimeter Digital KP90N**
- 48 **Proportionate Compass (Proportional Divider)**
- 49 **Plane Table with stand , acc and water proof cover**
Same as above - superior with brass acc
- 50 **Telescopic Alidade**
- 51 **Indian pattern Clinometer**
- 52 **Ranging Rod 4mt. Long Folding made of conduit pipe**
- 53 **Offset Rod 2mt. Folding made of conduit pipe**

- 54 **Optical Square**
- 55 **Railway Curves (set of 50)**
- 56 **Survey Plotting Scales with Offset bits (8 in set)**
- 57 **Stencils complete set of 6H**
- 58 **Substance Bar**
- 59 **Tapes**
 - a) Metallic Tape 30mt.
 - b) Metallic Tape 15mt.
 - c) Steel Tape 30mt
 - d) Steel Band 20mt
 - e) Steel Band 30mt.
- 60 **Surveyor's Umbrella**
- 61 **DIGITAL THEODOLITE (SETL make)**
Accuracy 02 second , minimum readout 01 second . Complete in Box with accessories and Aluminium Telescopic Tripod Stand in waterproof cover .
- 62 **Digital Theodolite complete with stand and acc.**
- 63 **Rule Ebonite 1 mt long (Made of hard wood . Painted surface . No graduations , as the purpose is of drawing straight line only . For graduation purpose T-Sqaure is available)**
b) **Rule Ebonite 1 mt long (Made of 6 mm black plastic sheet . No graduations , as the purpose is of drawing straight line only . For graduation purpose T-Sqaure is available)**
- 64 **Wooden Set Square, Tee Square & Compass for Black Board work**
- 65 **Total Station 02 second accuracy complete with prism pole , target and heavy duty stand Make - Cygnus**
- 66 **GPS (Make - Garmin) hand held models**
 - a) Etrex 10
 - b) Etrex 20
 - c) Etrex 30

TRAINEE'S KIT FOR TRADE – DRAUGHTSMAN (MECHANICAL)

- 1 **Drawing Instruments Box** containing one 15cm Compass with pin point & Lengthening bar, one pair Spring Bows, Compass with rotating attachment inter-changeable ink and pencil points, Drawing Pens with plain point & cross point, Screw Driver & box of leads.
b) ----- do ----- **with ordinary compass**
- 2 **Set Square celluloid 45degree (250 mm)**
Set Square celluloid 60degree (250 mm)
- 3 **French Curves Set celluloid set of 12**
- 4 **Mini Drafter**

GENERAL OUTFIT

- 1 **Draughtsman Table (stand for board size 700x500mm with tilting arrangement)**
- 2 **Drawing Board (700x500)**

TRAINEE'S KIT FOR TRADE – ARCHITECTURAL ASSISTANT

- 1 **Board Drawing 1250mm x 900mm Ist quality , made of pine wood with stand**
b) **Board Drawing 1250mm x 900mm II nd quality , made of wood with stand**

FURNITURE For Theory and Practical

- 1 **Tracing Table** without glass plate size 1250x900mm
(Glass to be fitted at your place by you at your cost)

Survey Equipment

- 1 **Metallic Tape 30mt.**
- 2 **Metric Chain 20 mt**
- 3 **Ranging Rod 2mt. Long Folding made of conduit pipe**
- 4 **Steel Arrow made of GI wire**
- 5 **Optical Square**
- 6 **Cross Staff aluminium open type with pole**
- 7 **Prismatic Compass with aluminium stand**
- 8 **Prismatic Compass Stand**
- 9 **Spirit Level**

- 10 Plane Table with wooden stand , canvas cover and metallic head
- 11 Alidade plain
- 12 Plumbing Fork
- 13 Plumb Bob
- 14 Dumpy Level with stand
- 15 Levelling Staff Telescopic

List Of Consumables

- 1 Adjustable Set Square with beveled edge 30 cm
- 2 Compass with long arm and pencil holder
- 3 Protractor 15 cm
- 4 Graphic Pen set of 7
- 5 Triangular Scale
- 6 Parallel Bar 6 inch
Parallel Bar 12 inch
- 7 T Square 1250
- 8 French Curves Set plastic set of 12
- 9 Flexible Curves 80cm long
- 10 Furniture Template 1:50
Furniture Template 1:100
Furniture Template 1:200
- 11 Circular and Oval Template
- 12 Metric Tape 5 mt steel
- 13 Calculator (Scientific)

TRAINEE'S KIT FOR TRADE – HEALTH SANITARY INSPECTOR

- 1 Overhead Projector (Indian)
- 2 Slide Projector (Indian)
- 3 Autoclave - Portable

MODELS

- 1 Model of Ventilation
- 2 Model of Sewerage System
- 3 Water Purification Plant
- 4 Model of Sanitary Latrine
- 5 Waste Disposal Unit

Terms & Conditions :

- 1) Rates are Ex-factory Roorkee. Packing (as per items), Forwarding & Actual Freight will be charged extra.
- 2) G.S.T. applicable .
- 3) Payment - 50% Advance along with order. Rest payment by C.O.D. basis/by your Bankers.
- 4) Delivery within 7-10 days from Roorkee after receipt of order .Transportation time extra.
Delievery time can vary with the quantity ordered .

Kindly ask for :

Surveying / Drawing / Scientific Instruments .

Engineering models for Civil , Architectural & Mechanical Branch .

Various trades in ITI / ITC like -

Draughtsman -Civil , Surveyor , Mechanical , Arch. Assistant , Health Sanitary Inspector , Interior Decorator & Designing , Welder (Gas & Electric) , Fitter , Basic Architecture , Basic Quantity Surveying , Basic Building Construction & Basic Plumbing .

Soil , Cement , Bituman & Concrete Testing Instruments