

PRECISION SURVO INSTRUMENTS
C-15 , INDUSTRIAL ESTATE . ROORKEE - 247667 Distt.HARIDWAR
UTTARAKHAND
Telefax - 01332-260078 , 09359105806

email :- amittal_5@rediffmail.com

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ITI TRAINEES KITS (OLD 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 ----- Superior Quality
- 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 **Scale metric & section** plastic 30cm long marked. Set of 8 made of plastic
- 5 **Scales plotting metric 30cm** long with offset scales made of plastic. Set of 6
- 6 **Set Square** transparent 2mm thick with beveled edges 45degree & 60degree 20cm & 25cm pair (Moulded)
b) ----- do ----- (Sheet)
- 7 **Board Drawing 1250mm x 900mm** 1st quality , made of pine wood
b) **Board Drawing 1250mm x 900mm** II nd quality , made of wood
- 8 **Tee - Square 1250mm**
- 9 **Mini Drafter**
- 10 **Erasing Shield** small size made of plastic sheet
b) **Erasing Shield** small size made of stainless steel sheet
- 11 **Template (Architects & Builders)**

GENERAL OUTFIT

- 1 **Geometrical Models** (wooden) (set of 8 models)
- 2 **French Curves Set plastic** set of 12
- 3 **Flexible Curves** 80cm long
- 4 **Elliptical Trammel**
- 5 **Radius Curve** 3mm to 15 mm
- 6 **Clinograph** 18cm
- 7 **Drafting Machine - Vertical type** complete with drawing board, adjustable table with pair of metric scale . **Commercial Quality**
b) -----do ----- Superior Quality .
- 8 **Drafting Machine - Horizontal type** complete with drawing board, adjustable table with pair of metric scale . **Commercial Quality**
b) -----do ----- Superior Quality .
- 9 **Brass Parallel Rulers in a case**
- 10 **Calculator (FX)**
- 11 **Planimeter** sliding bar pattern 70cm complete in case
- 12 **Pantograph - complete in wooden case with accessories** 60cm
- 13 **Beam Compass** 30cm in case
- 14 **Proportional Dividers** 15cm
- 15 **Leroy Printing Set (IMPORTED)**
- 16 **Tracing Table** without glass plate size 1250x900mm
(Glass to be fitted at your place by you at your cost)
- 17 **Printing Frame**
a) 45 x 60 cm (Without Glass)
b) 80 x 60 cm (Without Glass)
- 18 **Weighing Triangle with tape** size 1250x900mm
- 19 **Ammonia Box** 120x35x35cm made of plywood
- 20 **Stencils** complete set of 6H
- 21 **Table Drafting for Boards** 1250x900
- 22 **Stool Draughtsman** high
- 23 **Interlock Interchangeable brass stencil with brush** in box

- 24 Pastel & Mortar Porceline (set of 4)
- 25 Print Trimmer 100cm cutting edge . Fixed on an iron frame with sunmica pasted plyboard .
- 26 Chest of Drawers (8 drawers)
- 27 Draftsman Table
- 28 Draftsman Stool
- 29 Instructor Chair

SURVEY INSTRUMENTS

- 1 Land Measuring Chain 30mt. With 10 arrow
- 2 Steel Tape 30mt.
- 3 Ranging Rod 2mt. Long made of conduit pipe
- 4 Optical Square PWD pattern
- 5 Optical Square box type circular
- 6 Dumpy Level Builder's 25cm focal length complete in box with accessories and stand
- 7 Levelling Staff 4mt. Telescopic made of aluminium channel in 3 parts reading upto 5mm
- 8 Plane Table with Stand
- 9 Alidade
- 10 Trough Compass
- 11 Prismatic Compass with Stand

TOOLS FOR ALLIED TRADE TRAINING IN CONSTRUCTION WORK ETC.

- 1 Shovel
- 2 Pan MS 25cm dia
- 3 Farma Wooden for measuring aggregates
- 4 Bucket G.I. 35 dia
- 5 Mason Plumb Rule with spirit level
- 6 Mason's Square 30cmx30cm
- 7 Sieve for Sand 22mm
- 8 Brick Hammer with handle
- 9 Rule 4 fold wooden 60cm
- 10 15cm Painting Trowel
- 11 Motor Board
- 12 Wire Brush
- 13 Wooden Float
- 14 Steel Float
- 15 Spirit Level 30cm
- 16 Chisel 5cm Hammer headed
- 17 Bolster (Brick Cutting Chisel)
- 18 Claw Hammer
- 19 Spade
- 20 Measuring Tape Steel 30mt
- 21 Ladder aluminium 3 mt
- 22 Pickaxe
- 23 Hammer 250gram
- 24 Crow Bar 3cm dia. 1.5kg
- 25 Hand Hammer 1 kg
- 26 Binoculars
- 27 Surveyors Umbrella
- 28 Light Tracing Board fitted glass, lamp and frame (glass and bulb not provided)

TRAINEE'S KIT FOR TRADE – SURVEYOR

- 1 Abney Level
- 2 Ammonia Printing Box 120x35x35cm made of plywood
- 3 Box Sextant
- 4 Binocular (CHINA)
- 5 Black Board with easel
- 6 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 ----- Superior Quality
- 7 Calculator (8 digits)
- 8 Chisel steel 80mm blade
- 9 Computing Scales two hectares
- 10 Computing Scales five hectares
- 11 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
- 12 Celon Ghat Tracer
- 13 Cross Staff wooden box type
- 14 Cross Staff aluminium open type
- 15 a Drawing Board (Imperial) 23"x32"

- t **Drawing Board 500X700**
- 16 **Drawing Machine (horizontal) / Drafting Machine - Horizontal type** complete with drawing board, adjustable table with pair of metric scale. **Commercial Quality**
b) -----do ----- Superior Quality .
 - 17 **Drawing Machine Table** made of conduit pipe size 23"x32" (with top board size 23"x32")
 - 18 **Engineer's Chain 30mt.**
 - 19 **Engineer's Level**
 - 20 **Dumpy Level**
 - 21 **Cokes Reversible Level**
 - 22 **Tilting Level**
 - 23 **Erasing Shield small size made of plastic sheet**
b) **Erasing Shield small size made of stainless steel sheet**
 - 24 **French Curves Set plastic set of 12**
 - 25 **Ferro Printing Frame**
a) 450 x 600 mm (Without Glass)
b) 800 x 600 mm (Without Glass)
 - 26 **Fire Extinguisher (hand held type)**
 - 27 **Gunters Chain**
 - 28 **Hand Press for numbering and lettering**
 - 29 **Haversack (Canvass bag for keeping tools)**
 - 30 **Height Indicator**
 - 31 **Hold all canvas for instruments**
 - 32 **Instructor Chair**
 - 33 **Light Tracing Board fitted glass, lamp and frame (glass and bulb not provided)**
 - 34 **Levelling Staff Telescopic**
 - 35 **Metric Chain**
a) 20mt
b) 30mt.
 - 36 **Magnifying Glass**
 - 37 **Magnet Bar (for magnetizing trough compass needles) in pair**
 - 38 **Metal tube container for keeping drawings dia. 100mm & 1 mt. long**
 - 39 **Pen Knife**
 - 40 **Protractor full circular (plastic 150mm dia)**
 - 41 **Proportionate Compass (Proportional Divider)**
 - 42 **Planimeter**
 - 43 **Pentagraph**
 - 44 **Prismatic Compass**
 - 45 a) **Plane Table with stand with water proof cover**
b) **Alidade**
c) **Trough Compass (compass beam wooden)**
d) **Plumbing Fork with Bob**
e) **Telescopic Alidade**
f) **Indian pattern Clinometer**
 - 46 **Ranging Rod 4mt. Long Folding made of conduit pipe**
 - 47 **Offset Rod 2mt. Folding made of conduit pipe**
 - 48 **Optical Square**
 - 49 **Railway Curves (set of 50)**
 - 50 **Stool for Drawing Table**
 - 51 **Scale diagonal , electroplated**
 - 52 **Survey Plotting Scales with Offset bits (8 in set)**
 - 53 **Stencils complete set of 6H**
 - 54 **Substance Bar**
 - 55 **Set Square** transparent 2mm thick with beveled edges 45degree & 60degree 280mm
 - 56 **Tapes**
a) **Metallic Tape 30mt.**
b) **Metallic Tape 15mt.**
c) **Steel Tape 30mt**
d) **Steel Band 20mt**
e) **Steel Band 30mt.**
 - 57 **T - Square 32"**
 - 58 **Surveyor's Umbrella**
 - 59 **Theodolite Transit**
 - 60 **Micrometer Theodolite Transit**
 - 61 **Treverse Staff**
 - 62 **Wooden Set Square, Tee Square & Compass for Black Board work**
 - 63 **Boning Rod (set of 2)**
 - 64 **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)**
 - 65 **Zinc Tray for Washing Prints**

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 ----- Superior Quality
- 2 **Scale set card board in case (Metric)**
- 3 **Set Square celluloid 45degree & 60degree in pair**
- 4 **French Curves Set celluloid set of 12**
- 5 **Drawing Board (700x500)**
- 6 **Tee - Square (700mm blade)**
- 7 **Steel Ruler 300mm (inches and millimeters)**

GENERAL OUTFIT

- 1 **Mini Drafter**
- 2 **Rotoring Pen (set of 8) imported**
b) **Rotoring Pen (0.1 to 0.7) indian**
- 3 **Wooden models** for development and geometrical solids (Set of 8)
- 4 **Universal Drafting Machine** 1500x1000mm complete with stand & board
b) -----do ----- Superior Quality .
- 5 **Wooden Geometry Box for Black Board work**
- 6 **Chest of Drawers (8 drawers)**
- 7 **Ammonia Printing Machine (continuous type)**
- 8 **Caliper Outside 150mm (Spring)**
- 9 **Caliper Inside 150mm (Spring)**
- 10 **Stencil Set complete in box**
- 11 **Steel Tape 2mt. (pull type)**
- 12 **Radius & Fillet Templates**
- 13 **Drawing Table made of conduit pipe size 700x500 (without top as top is listed above)**
- 14 **Stools**
- 15 **Print Trimmer 1050mm cutting edge**
- 16 **Instructor Chair**

TRAINEE'S KIT FOR TRADE – ARCHITECTURAL ASSISTANT

- 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 ----- Superior Quality
- 2 **Protractor celluloid semi-circular**
- 3 **Architectural Scale 30cm & 12inch long**
- 4 **Set Square** transparent 2mm thick, beveled edges 45 Deg. & 60 Deg. In pair
- 5 **Board Drawing 1250mm x 900mm 1st quality , made of pine wood**
b) **Board Drawing 1250mm x 900mm II nd quality , made of wood**
- 6 **Square - ' T ' 1250mm**

GENERAL OUTFIT

- 1 **Geometrical Models (wooden) (set of 8 models)**
- 2 **Templates Circle and Ellipse**
- 3 **French Curves Set plastic set of 12**
- 4 **Flexible Curves 80cm long**
- 5 **Drafting Machine - Vertical type** complete with drawing board, adjustable table with pair of metric scale
b) -----do ----- Superior Quality .
- 6 **Drafting Machine - Horizontal type** complete with drawing board, adjustable table with pair of metric scale
b) -----do ----- Superior Quality .
- 7 **Calculator (Scientific)**
- 8 **Proportional Dividers 15cm**
- 9 **Tracing Table** without glass plate size 1250x900mm
(Glass to be fitted at your place by you at your cost)
- 10 a) **Printing Frame 45x60cm (Without Glass)**
b) **Printing Frame 80x60cm (Without Glass)**
- 11 **Ammonia Box 120x35x35cm made of plywood**
- 12 **Stencils complete set of 6H**
- 13 **Interlock Interchangeable brass stencil with brush in box**

FURNITURE

- 1 **Chest of Drawers (6 Drawers Standard)**
- 2 **Draftsman Table (stand for drawing board 1250x900)**
- 3 **Draftsman Stool**
- 4 **Instructor Chair**

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

TRAINEE'S KIT FOR TRADE – INTERIOR DECORATOR & DESIGNING

- 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 ----- Superior Quality
- 2 **Protractor celluloid semi-circular**
- 3 **Card board metric set of eight**
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 **Metric Scale Perspex – 30cm (Molded)**
b) ----- do ----- (Sheet)
- 5 **Plotting Scales** Set of 6 plastic metric scales 30cm long with Offset Scales
- 6 **Set Square** transparent 2mm thick, beveled edges 45 Deg. & 60 Deg. In pair
- 7 **Drawing Board imperial size 23"x32"**
- 8 **Mini Drafter**
- 9 **Erasing Shield small size made of plastic sheet**
b) Erasing Shield small size made of stainless steel sheet
- 10 **Template (Architects & Builders)**
- 11 **Fire Extinguisher**

GENERAL OUTFIT

- 1 **Geometrical Models** (wooden) (set of 8 models)
- 2 **Flexible Curves 80cm long**
- 3 **Drafting Machine vertical type** complete with drawing board, adjustable table with pair of metric scale
b) -----do ----- Superior Quality having smooth motion.
- 4 **Brass Parallel Rulers in a case**
- 5 **Calculator Scientific**
- 6 **Planimeter** Sliding Bar Pattern 70cm complete in case
- 7 **Pantograph** - complete in wooden case with accessories 60cm
- 8 **Lerroy Printing Set**
- 9 **Tracing Table** without glass plate size 1250x900mm
(Glass to be fitted at your place by you at your cost)
- 10 **Ammonia Box 120x35x35cm made of plywood**
- 11 **Stencils complete set of 6H**
- 12 **Table Drafting for Boards**
- 13 **Pastle & Mortal set of 4**
- 14 **Chest of Drawers (8 drawers)**
- 15 **Draftsman Table with board size 23"x32"**
- 16 **Draftsman Stool**
- 17 **Instructor Chair**
- 18 **Hacksaw Frame 200mm adjustable**
- 19 **Hacksaw Frame 300mm adjustable**
- 20 **Divider Steel 150mm**
- 21 **Metallic Tape 30mt**
- 22 **Wire Brush**
- 23 **Spirit Level 30cm**
- 24 **Chisel 5cm Hammer headed**
- 25 **Claw Hammer**
- 26 **Hammer 250gm**
- 27 **Light Tracing Board fitted glass, lamp and frame**

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.
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