of

DOMESTIC PAINTER

(SEMESTER PATTERN)

UNDER

CRAFTSMEN TRAINING SCHEME

Designed in: 2013

Ву

Government of India

Central Staff Training and Research Institute

Directorate General of Employment & Training

Ministry of Labour & Employment

EN -81, Sector-V, Salt Lake City,

Kolkata-700091

List of the Members of Trade Committee Meeting for the trade of "DOMESTIC PAINTER" held on $14^{th}~\&~15^{th}$ December 2010 at A.T.I , Mumbai.

SI. No.	Name and Designation S/Shri	Organization	Remarks
1.	R.K. Singh, AGM	TATA Motors Ltd, Chikali, Pune	Chairman
2.	R.K. Pathak, JDT/HOD	ATI, Mumbai	Member
3.	Anil Kumar, JDT/HOD	CSTARI, Kolkatta	Member
4.	D.K. Pawagi, JDT/HOD	RDAT, Mumbai	Member
5.	Shephali Halbe, Sr. Manager	SAI Service, Mumbai	Member
6.	Shailesh Bharsai, Sr. GM	Sai Service, Mumbai	Member
7.	R.K. Yadav, QA Mngr.(Paint)	M&M, Mumbai	Member
8.	S.B. Sawant, Manager Paintshop	MVML, Chakan	Member
9.	Mrs. R.D. Diwan, Lecturer	VPM Polytechnic, Thane	Member
10.	S.D. Paranjpe, Consultant	Asian Paints, Mumbai	Member
11.	S.M. Sadamate, Asstt.App. Advisor	BTRI, Mulund	Member
12.	P.S. Wagh, Principal	ITI, Mulund	Member
13.	N.V. Atale, Manager field service	Mercedez-Benz India, Pune	Member
14.	R.S. Shinde, Manager Paint shop	Badve Engg. Ltd., Aurangabad	Member
15.	M.M. More, Principal	ITI, Manikdor, Pune	Member
16.	D.B. Dangat, Manager Powder coating	Godrej & Boyce, Mumbai	Member
17.	S.S. Majumdar, Ex-Principal,	VPM Polytechnique Thane	Member
18.	Dr. Anagha S. Sabnis, Asstt. Prof.	Inst. Of Chemical Tech, Mumbai.	Member
19.	R.B. Patki, Instructor	ITI, Parbhani	Member
20.	S.B. Bagwe, Sr. Mngr.	Mahindra Vehicle Mfg.Ltd., Nighoje, Pune	Member
21.	R.B. Pardhe, Instructor	ITI, Manikdor, Pune	Member
22.	S.S. Panchal, Instructor	ITI, Ambarnath	Member
23.	Manoj Somani, Manager Technical	Kansai Nerolac Paint, Mumbai.	Member
24.	Subodh Mukherjee, Officer-Technical	Kansai Nerolac Paint, Mumbai.	Member
25.	R.S. Ghume, Principal	ITI, Aundh, Pune	Member
26.	J.D. Kurkute, Asstt. Mngr. Training	TATA Motors Ltd., Pune	Member
27.	Hemant Iswalkar, Exe. Tech.	Asian Paints Ltd., Mumbai	Member
28.	S.R. Thate, Instructor	ITI, Aundh, Pune	Member
29.	C.H. Ravi, DDT	ATI, Mumbai	Member
30.	S.G. Raigonde, DDT	ATI, Mumbai	Member
31.	P.K. Roy, DDT	ATI, Mumbai	Member
32.	ARH Shaikh, TO	ATI, Mumbai	Member
33.	R.S. Wagh, VI	ATI, Mumbai	Member
34.	L.K.Mukherjee, Deputy Director	CSTARI, Kolkata	Member

List of members attended the Workshop to finalize the syllabi of existing CTS into Semester Pattern held from 6^{th} to 10^{th} May'2013 at CSTARI, Kolkata.

SI. No.	Name & Designation	Organisation	Remarks
1.	R.N. Bandyopadhyaya, Director	CSTARI, Kolkata-91	Chairman
2.	K. L. Kuli, Joint Director of Training	CSTARI, Kolkata-91	Member
3.	K. Srinivasa Rao,	CSTARI, Kolkata-91	Member
	Joint Director of Training		
4.	L.K. Muhkerjee,	CSTARI, Kolkata-91	Member
	Deputy Director of Training		
5.	Ashoke Rarhi,	ATI-EPI, Dehradun	Member
	Deputy Director of Training		
6.	N. Nath,	CSTARI, Kolkata-91	Member
	Assistant Director of Training		
7.	S. Srinivasu,	ATI-EPI, Hyderabad-13	Member
	Assistant Director of Training		
8.	Sharanappa,	ATI-EPI, Hyderabad-13	Member
	Assistant Director of Training		
9.	Ramakrishne Gowda,	FTI, Bangalore	Member
	Assistant Director of Training		
10.	Goutam Das Modak,	RVTI, Kolkata-91	Member
	Assistant Director of Trg./Principal		
11.	Venketesh. Ch. , Principal	Govt. ITI, Dollygunj, Andaman &	Member
		Nicobar Island	
12.	A.K. Ghate, Training Officer	ATI, Mumbai	Member
13.	V.B. Zumbre, Training Officer	ATI, Mumbai	Member
14.	P.M. Radhakrishna pillai,	CTI, Chennai-32	Member
	Training Officer		
15.	A.Jayaraman, Training officer	CTI Chennai-32,	Member
16.	S. Bandyopadhyay, Training Officer	ATI, Kanpur	Member
17.	Suriya Kumari .K , Training Officer	RVTI, Kolkata-91	Member
18.	R.K. Bhattacharyya, Training Officer	RVTI, Trivandrum	Member
19.	Vijay Kumar, Training Officer	ATI, Ludhiana	Member
20.	Anil Kumar, Training Officer	ATI, Ludhiana	Member
21.	Sunil M.K. Training Officer	ATI, Kolkata	Member
22.	Devender, Training Officer	ATI, Kolkata	Member
23.	R. N. Manna, Training Officer	CSTARI, Kolkata-91	Member
24.	Mrs. S. Das, Training Officer	CSTARI, Kolkata-91	Member
25.	Jyoti Balwani, Training Officer	RVTI, Kolkata-91	Member
26.	Pragna H. Ravat, Training Officer	RVTI, Kolkata-91	Member
27.	Sarbojit Neogi, Vocational Instructor	RVTI, Kolkata-91	Member
28.	Nilotpal Saha, Vocational Instructor	I.T.I., Berhampore, Murshidabad,	Member
		(W.B.)	
29.	Vijay Kumar, Data Entry Operator	RVTI, Kolkata-91	Member

GENERAL INFORMATION

1. Name of the Trade : **DOMESTIC PAINTER**

2. NCO Code No. :

3. Duration : 1 year (Two Semesters)

4. Power Norms : 2.5 Kw

5. Space Norms : 4.00 Sq Meter / Trainee

6. Entry qualification : Passed 10th class examination under 10+2

system of education with Science and

Mathematics or its equivalent.

7. Unit Size (No. of trainees) : 20

8. Instructor's/ Trainer's Qualification : a) Tenth Class Passed + NTC + NAC in

paint technology./ surface technology

:b) Preference will be given to a candidate With Craft Instructor Certificate

Note: At Least One Instructor must have Degree/Diploma in Paint Technology / surface technology

Syllabus for the Trade of "DOMESTIC PAINTER" under C .T.S.

(Semester Code No. DOP-01)

SEMESTER - I

Week	Trade Practical	Trade Theory	Engineering	Workshop
No.		•	Drawing	Calculation &
				Science
1 to 2	Introduction to training. Industrial discipline and working environment. Familiarization with shop layout, Introduction to safety - including fire equipments and their uses. Familiarize with Carpentry and Fitter's hand tools. Physical introduction to measuring of handling instruments such as Steel rule of different ranges. Filing a flat surface of mild steel and cast iron. Check for flatness, straightness and squareness. Mark out according to simple blue print.	Importance of safety and general precaution observed in the institute. Occupational safety hazard related to the trade. Introduction to 5-S and TPM system. Preliminary information about Kaizen. Environmental factors and pollution. Personal safety and health hazards. Introduction to metals and non metals and their properties. Introduction to different tools and equipment used for fitting jobs.	Freehand sketching of straight line, rectangles, squares, circles, polygons etc	Applied workshop problem involving multiplication & division common fractions, addition, subtraction, multiplication and division.
3-4	Allied Trade Training Hacksawing –marking, sawing and chiseling the edges straight and square to the surface Filing flat and square surfaces. Marking and punching of stepped and angular components and finishing. Measurement of flat rectangular objects, cylindrical objects, hollow components. Drilling practice and maintenance	Marking and punching tools and their uses. Hacksaw and their application Chisel-types and their uses. Units of measurements – Physical quantities. Broad classification of files and its application. Bench vice and its working Hand Drilling machine and its operation Standard size of threads, - types, care	Free hand writing of letters and numbers	Common properties and uses of cast iron, wrought iron, plain carbon steel, high speed steel and alloy steel.
5-6	Marking out for carpentry work. Use of carpenter's basic hand tools for simple operation viz. sawing, plaining, drilling etc. Sharpening of tools.	Types of woods, their description and use. common defects in timber and their effects. Introduction to tools used in carpentry work.	Free hand sketching of nuts and bolts with dimensions from sample.	Introduction to metals and non metals and their properties.

7-8	Making simple carpentry joints, used in doors,	Safety precaution, description, uses and care of hand tools. Grinding of tools and precaution to be taken. Common joints their description and use.	Introduction of simple	Ratio and proportion. Simple
	windows, timber floors, panels, wooden partition, etc. Use of jointing devices nails, screws, nuts, bolts and dowels joints by wooden fittings with glue. Prepare the surface of wood by varnishing, polishing and touch wood. Finishing surface of wood.	Use of nails, screw, hinges, dowels, etc. Glue's specification, preparation of compounding and their application. Use of planer different types and their functions.	orthographic projection use of different types of lines and symbols for drawings.	algebraic symbols, addition, subtraction, multiplication and division of expressions involving algebraic symbols.
9-10	Importance of skills involved. Handling of tool and equipments used in sheet metal work. Familiarization with machinery and equipments and their layout in the section. Use of protective safety devices on shop floor. Practice in scribing of straight line. Bisection of straight line with marking tools practice in marking simple geometrical shapes. Practice in cutting sheet metal to different shapes using various types of snips. Folding/bending sheet metal to 90° using wooden mallet.	Introduction to trade. Safety precautions to be observed in the workshop. Importance of sheet metal work and welding in industry. Sheet metal- Classification and their uses. Measuring and Marking tools- Try square, dividers, trammels, marking block, Scriber, Steel rules, Calipers, SWG, etc. Types of Snips, shears and their uses. Sheet metal work Tools-Mallet, Nylon Hammers, Bench vice, C Clamps, Pliers.	Use of different types of lines and symbols for drawings. Simple isometric drawings isometric views of simple objects such as square, rectangles, cubes etc.	Standard algebraic formula. Simple equations and simultaneous equations with two unknown quantities.
11-13	Jointing of simple sheet metals of different gauges by simple self secured joints. Joining sheet metal by soft soldering and brazing. Practice in making articles such as cone, cylinders etc.	Different types and uses of joints employed in sheet metal work. Brief description of brazing and soldering.	Use of different types of scales in inches and mm. Freehand isometric sketching of simple objects with dimensions.	temperature. Name and use of temperature measuring instruments

	Flanging sheet metal to 90° To make 90° L piece of equal diameter and join them at right angle Making holes in sheet metal using power operated hand drilling machine Riveting practice using various types of rivet heads. Making Riveted joints Practice on pipe bending. Practice on removing dents of spherical and hemispherical articles	Cutting methods- straight cutting-circle cutting- Louver cutting, Nibbling, slot cutting, Notching Sheet metal works - Folding, Bending & Flanging Brief description and use of hand punching machine Description of power operated and drilling machine, drill bits, etc. Method of laying out pattern Bending of pipes Introduction to tube and pipe.		Thermometric scale and conversion of Centigrade and Fahrenheit scales.
14-15	Introduction of welding workshop and welding methods. Welding methods 1. Gas welding, brazing, soldering. 2. Resistance welding- (a) seam welding (b) spot welding and (c) butt welding 3. MIG welding –(CO ₂ welding) Material: Thin material- M.S., Galvanised Steel and S.S. Welding defects its causes and remedies.	Introduction of welding process. Gas cylinders, pressure regulator, hose pipe, welding torch and safety precautions. Introduction to resistance welding – equipments and accessories and types. Advantages, disadvantages and application. Introduction to MIG welding – equipments and accessories and types of inert gases. Advantages, disadvantages, disadvantages and application. Types of defects-internal, external.	Free hand sketching of plan and elevation of simple objects like hexagonal bar, square bar, circular bar, tapered bar, hollow bar etc	Determination of area and volume of simple solid bodies.
16- 18	Basic computer & graphic skills Introduction to Computing Introduction to Computers Classification of computers based on size, purpose and	Familiarization with computer and its accessories. Customization with desktop.	Free hand sketching of simple objects related to the trade and preparation of simple working	Trigonometry; Trigonometric functions and tables. Trigonometric identities.
	operationInput and output devices	6	drawings from the sketches. Free hand	Practice in calculations involving area and

- Block diagram of CPU
- Operating system software
- Utility Software
 Safety and occupational
 health:
- Cramped room and illlight working environment damage the eye sight and develop stress symptoms.
- Proper sitting posture.
- Proper lifting of posture of heavy monitor, computer, printer and other office machineries may cause back pain.
- When direct physical telephone line is used for internet connection make sure it is being detached whenever there is thundering.

Environment:

- Pollution of environment due to e-waste like junk key board, components of computer and other office machineries
- Waste recovery facility through inter industry exchange.

Word Processing
Introduction to Word
Processing : Editing a
Document Move and Copy
Text and Help System

- Formatting Text and Paragraph
- Finding and Replacing Text and Spell Checking
- Using Tabs
- Enhancing Document Columns, Tables and Other Features Using Graphics, Templates and Wizards Using Mail Merge Miscellaneous features of Word

Spread Sheet

- Introduction to Spreadsheet
- Creating Worksheets &

Tools to be Used : MS Office MS Office

Preparation of a document using different toolbar.

Creating objects using drawing toolbar with shading, filling colour, grouping and placed in order. Creating artistic page border.

MS Excel

Preparation of different charts using same data and with multiple data.

Formatting data series, filling effects in charts. Changing orientation & style of data labels and values of chart.

MS Power Point

Preparation of a presentation containing own profile

Tools to be Used : Adobe Illustrator

Drawing 1 Fundamental

techniques of drawing in pencil, charcoal, and ink. Emphasis is on realistic representation and visual

Drawing 2

Advanced concepts of drawing.
Emphasis is on

observation.

sketching of different forms of threads.

Drawing simple diagram using signs and symbols using colour representation

Free hand sketching of helical bevel and gear

volume of wood and workout total cost on the basis on given rates.

- feeding data Using functions
- Editing Cells and Using commands and functions
- Opening, Saving and Printing a Worksheet
- Working with Charts

Presentation

- Creating Presentations using AutoContent Wizard, Template & Blank Presentation
- Working with Master's Slide, Title handout and Notes
- Viewing a Presentation

Coordinate Systems

- 2-D coordinated system
- 3-D coordinated system Concept of
- Polygon and Mesh
- Perspective Projection

Concept of Multimedia Methodology & Process of Multimedia Project Management

Graphics Editing
Traditional Design
Traditional and digital applications of color, concept and composition.

Drawing 1
Drawing 2
Color Theory
Principles and techniques
for the perception and
effective use of color in all
media. Includes work with
values, neutrals, basic color
schemes.

design and composition and experimental techniques in different media.

Color Theory
Painting
Still life, landscape
and figurative
studies.

Illustration
Techniques
Creation of pictorial
illustration as
applied to
commercial art.

Graphics Editing Techniques

- Use of Graphics Editing Tool.
- Knowledge about vector graphics.
- Understanding paths
- Fill and stroke attributes
- Selections and stacking order

Editing Graphics

- The Welcome screen
- Important document settings
- Exploring panels and workspaces
- Using the control panel
- Navigating within a document
- Using guides and grids
- Utilizing the bounding box
- Using smart quides
- Choosing preview options

Drawing

Using the basic

Painting
Materials and techniques of
painting. Subject matter
includes still life, landscape
and figurative studies.
Emphasis is on individual
development and response
to the media.
Illustration Techniques
An introduction to various

Illustration Techniques
An introduction to various
illustrational styles,
techniques and media used
in the creation of pictorial
illustration as applied to
commercial art.

Graphics Editing
Techniques: Introduction
Creating Graphics Editing
Tool Documents
The Graphics Editing Tool
Interface
Basic Drawing
Working with Color
Object Transformation and
Positioning
Use of Brushes
Saving and Printing

shapes tools

- Drawing with the Pen tool
- Drawing with the Pencil tool
- Painting with the Paintbrush tool

Editing

- Creating compound shapes
- Utilizing pathfinder functions
- Using the Eraser tool
- Joining and averaging paths
- Outlining strokes
- Simplifying paths

Use of Selection Tool

- Using the basic selection tools
- Using the Magic Wand and the Lasso tool
- Selecting objects by attribute
- Saving and reusing selections

Appearances

- Targeting object attributes
- Adding multiple attributes
- Applying live effects
- Expanding appearances
- Creating graphic styles
- Modifying graphic styles
- Appearance palette settings
- Copying appearance
- Creating Live Paint groups
- Detecting gaps in Live Paint groups
- Path editing with Live Paint
- Using Offset Path
- Dividing an object into a grid
- Cleaning up errant

		paths Working with Color Defining swatches Creating swatch groups and libraries Working with gradients Working with patterns Using the Color Guide Experimenting with color Finding colors with kuler Modifying color in artwork Transformation and Positioning Rotating and scaling objects Reflecting and skewing objects Using the Free Transform tool Using the Transform panel Aligning objects Distributing objects		
19	Main trade training	C.Creating an art brush D.Creating a pattern brush What is paint?	Reading of blue	Further studies of
	Demonstration of various substrates 1) Metal (Ferrous) 2) Metal (Non Ferrous) 3) Non Metal- Wood Glass Plastic Familiarization of different hand tools used in the trade. Introduction to paints: Preparing surface of wall & ceiling. Cleaning rough surface. Chiseling, scuffing by emery paper and wire brushes etc.	Types of paints and uses. Functional purpose. Various types of pigment. Various types of pigment. Various types of primer. Different line water line based synthetic benecal fiutress Constituents of paint-pigment, resine/binder, vehicles, extenders or plasticizers and thinners.Information about types of paints	print simple exercise. Free hand sketching of locking devices.	metals and non metals Properties and uses of lead, tin, zinc, brass, bronze etc.

20-22	Use of different types of brush, knife, use of ladders blow lamp, pallet board, plub, bob etc. Use of stencil cutter Preparing wall for oil paints of residential house. Mixing paints colours matching colours for wall & ceiling surface. Use of putty for door & window's fitting etc. Preparing of surface on wood by rubbing knotting, stopping & sanding. Use of putty its different process for wooden chair table and article. Interior wall painting Painting procedure -paint mixing, thinning of paint & work stage for donga(white wash), cement paint, distember, oil bound, plastic emulsion and premium, luster, oil paint, texture, special effect finishes. Matching, selection of colors.Paint mixing for water base and solvent base. Preparation and procedure for white wash. Surface preparation for dry distemper, putty preparation and application, use of oil bond distempering & luster painting.	Introduction to different types of brush, knife, use of ladders blow lamp, pallet board, plumb, bob, stencil cutter etc. Conception of colour-primary, secondary and tertiary colours, colour harmony, monochrome, analogus, complementray warm and cool colours. Attribute of colours, tint, tone, shade Why abrasive is necessary. Types of abrasive, sand papers emery papers and water papers. Information about emery papers. Putty preparation and use of putty Introduction of equipment used for wall painting work. Painters hand tools, brushes of various sizes, scrapers, chisels, knife, ladders, steps, scaffolding buckets.	Free hand sketching of pipe joint flanged joints	Preparation of simple estimation Idea about various steps in valued in different type paint manufacturing.
	and application, use of oil	chisels, knife,		
23	Preparing of surface on wood for varnishing finishing & polishing. Use of French polish touch wood, liquor coating & melamine for quality wood.	Introduction to composition and types of varnish, information about touch wood and French polish, liquor coating & melamine for quality wood. Wood primer creosote for wood reservation.	Free hand sketching of hand tools used by painter.	do

24	Preparation Of Metal Surface Degrees of surface preparation. Practice of removal of mild deposits Hand cleaning purpose is to remove loosely adhering dirt, grease, oil, rust with minimum time & effort. Techniques of normal cleaning by wire brush, chisels, scrappers and sand paper's. Basic sign writing Types of letters; roman, gothic and devnagari etc. Stenciling methods.	What is corrosion and types of corrosion and prevention. introduction to barrier between metal surface and atmosphere. Introduction to protective coating like organic coat and metallic coat. Different types of primers used for Ferrous & non Ferrous metals.	Free hand sketching of small parts related to the trade Free hand sketching of small parts related to the trade	Pigments & Dies different Examples. Estimation of labour charges for painting jobs
25	Project Work / Industrial Visit (Optional)			
26		Examination		

Syllabus for the Trade of "DOMESTIC PAINTER" under C .T.S.

(Semester Code No. DOP-02)

SEMESTER - II

Week	Trade Practical	Trade Theory	Engineering	Workshop
No.			Drawing	Calculation & Science
01	Surface preparation painting of walls Use of plastic paint and luster paint for home and hotel decoration.	Introduction to painting materials. Distembers, luster paints, texture paints and cement paint. Description of bonds Cement paints. Lime colour Application process and precautions	Free hand sketching of small parts related to the trade	-do-
02	Use of oil paints Door / window's and furniture painting. Use of spray painting plants with compressed air. Surface preparation and finishing Polishing of wooden furniture application for dressing room Handling of spray guns with spraying materials	Physical properties of paints-pigment, resine binder, thinner and vehicles. Steps of painting works. Precaution, care and maintenance Information about polishing material Like touch wood / melamine / liquor and its application techniques.	Free hand sketching of small parts related to the trade	-do-
03	Interior services like building painting polishing, plumbing & false ceiling designing. Handling of turnkey project as per requirements.	Description of various filling materials Its field of application Safety in spray methods. Occupational safety hazards and its precaution.	Development of surfaces of simple objects	
04 to 05	Use of plaster of Paris. (P.O.P.) Texture and metallic paints for wall surface. Interior in commercial places. Texture material for relief work. Interior for offices and	Like furniture paint, epoxy paint metallic paint for decoration work selection of paints for different surface. Using mix material for - 3-D design. Working condition & modern decoration	-do-	-do-

	corporate spaces for modern	trends. Article designing in		
06	painting work Home renovation with computer aided designing 2- D-/3-D design. Practice with space prepare for wall painting Texture and light for school Building. Study of mural and landscapes in interior work.	wood and metal. Information about wide range of working conditions in floor plans & home renovation. Exterior painting with texture paint. Importance of safe and esthetically pleasing space for building uses. General ideas of relief painting in P.O.P. work.	-do-	-do-
07	Out door furniture and garden Planning. Landscape designing for out door space with fountains. Mosaic stone art designing. Water fountains and decoration work at out door area.	Graphic design for set preparation Free hand sketching with colour. Common practice in different sets Work applied for various painting surfaces. Tips for out door gardening	Construction of simple curves of inter penetration	Properties of fluids. Introduction to surface tension and viscosity.
08	Furniture designing Business sector in colour concept	Information about modern furniture & colour	-do-	
09	Set decoration and curtain designing with colurs & light on party events. Decoration of stair case designing	Information about size of set plan & proportion. Basic concept of set preparation. Tips on event management and set decoration.	-do-	-do-
10	Set preparation by using thermacol/ plywood, colour by compressed air.	Procedure of estimating and measurements for various decorating activities.	Free hand sketching of small parts related to the trade.	What is corrosion. Difference between corrosion and rancidity. Precaution to avoid corrosion.
11	Prepare a project work on mural designing using by fiber finishes material and texture	The role of a designer Room theme a consistent idea used throughout a room to create a feeling of completeness.	Freehand sketching of simple assembled parts	Electroplating process.
12	Application of painted glass for hospitals and corporate space decoration. Use of	Estimate of small furniture unit for kitchen room Importance of interiors for modern	Freehand sketching of simple assembled parts	

	quality of stone for texture	age		
13 to 14	Type of lettering practice and practice on sign board painting Introduction to the new software for the creativity. Painting advertisement by words, Signs, signals etc. Hands on practice with adobe photoshop. Techniques of sign board painting in different media.	font softwares and new software version to creativity and enhancing the quality. Function of a Adobe photoshop. Describe the fine	Freehand sketching of simple assembled parts	-do-
15	Prepare poster, chart banner – Hording design.	General ideas of commercial artist for sign board designing.	Freehand sketching of simple assembled parts	Problem on simple estimation as above
16	Screen printing process Designing work and exposing process	Information about screen printing and methods.	-do-	-do-
17	Screen printing registration process	Stenciling methods and printing process.	-do-	-do-
18	Use of fret saw machine	Type of layouts and type of fonts use in layout.	Revision and exercise on blue print reading	Magnetic substances. Properties of magnetic substances.
19	Practice of windows paint	Used of quality out puts in advertising and □graphic design.	-do-	Simple electrical circuit. Ohm's law.
20 to 22	Basic shapes and colors create any Basic graphic design. Handling of A.P.S. designer. Type of font anduse of font for number plate design Radium cutting and pasting practice.	Common features to all kinds application Scanning devices type of scanner flat bed scanner & pen scanner Create professional and exciting presentation General ideas of types and fonts for number plates.	-do-	do
23 to 24	Use of flat bet plotter or drum plotter.	Practice primary colour mixing. Colour mixing	-do-	Simple calculation on Ohm's law

	Use flex board or digital prints Board Prepare stage banner by using flex print. Printing knowledge of different Computer mattered. Practice of residential interior Practice of commercial interior	knowledge. Colour & printing technique on flat bet plotter. General idea of designing. General idea about interior. General idea about designing Measurement method and costing.		
25		Revis	sion	
26		Examir	nation	

LIST OF TOOLS AND EQUIPMENT FOR 20 TRAINEES + 0NE FOR THE TRADE OF **DOMESTIC PAINTER**

A. TRAINEES TOOL KIT

SI.No.	Name of the item	Quantity
1.	Screw driver set 150,200,250mm	21 nos. each
2.	Measuring tape-10 meters	21 nos.
3.	Flat brush-4", 3", 2" and 1"	21 nos. each
4.	Lettering brush-2,4,6,8,10 no.	21 nos. each
5.	Wooden rule 24"	21 nos.
6.	Glass pencil (any colour)	21 nos.
7.	Lead pencil HB, 2b, 4b, charcoal	21 nos. each
8.	Putty knife-2", 4"	21 nos. each
9.	Mask	21 nos.
10.	Apron	21 nos.
11.	Blow lamp 1/2ltr/1 Ltr	1 no. each
12.	Steel wire brush 50 mmX150 mm	10 Nos.
13.	Scriber	4 Nos.
14.	Putty Knives 2",4",6"	20 nos. each
15.	Marking Gauge	4 Nos.
16.	Plier insulated 150mm	4 nos.
17.	Nose Plier insulated 150mm	4 Nos.
18.	Screw drivers 150mm	4 Nos.
19.	Electrician testing Pencil (Line/Neon tester)	4 Nos.
20.	Rule Steel 300mm	10 Nos.
21.	Punch Centre 150mm X 9mm	4 Nos.
22.	Heavy duty screw driver 200mm	4 Nos.
23.	Hammer Ball Peen 0.50Kg with handle	4 Nos.
24.	Hammer Cross Peen 100gms.With handle	4 Nos.
25.	Pliers Side Cutting insulated 150mm	4 Nos.
26.	Pincers 150mm	4 Nos.
27.	Single straight ladder 8" wooden	1 Nos.
28.	Step ladder-12' aluminium	1 Nos.
29.	Extension ladder	1 Nos.
30.	Scrapping knife	10 Nos.
31.	Chisel knife	10 Nos.
32.	Pallet knife	4 Nos.
33.	Chisels	4 Nos.
34.	Face mask	20 Nos.
35.	Hand gloves-solvent	20 Nos.
36.	Safety goggles	6 pairs
37.	Airless pumps (Wagner with complete accessories	1 Nos.
38.	Spanner set 6 to 32mm set DE	1 Nos.
39.	Adjustable spanner-300 mm	2 Nos.
40.	Steel tape-10 meters	2 Nos.
41.	Bench vice 120mm, 150mm each one	2 Nos. each

43. Air filter 2 Nos. 44. air hoses pipe-20 meter 1 no. 45. Regulators for paints 1 Nos. 46. Paint filter-conical 20 Nos. 47. Fume filter mask 20 nos. 48. Out side spring caliper 150 mm 4 nos. 49. Inside spring caliper 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2 nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel mortise 9 mm	42.	Spray gun (painting) 1 ltr, ½ ltr. Each	2 nos.
45. Regulators for paints 1 Nos. 46. Paint filter-conical 20 Nos. 47. Fume filter mask 20 nos. 48. Out side spring caliper 150 mm 4 nos. 49. Inside spring 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2 nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane			
46. Paint filter-conical 20 Nos. 47. Fume filter mask 20 nos. 48. Out side spring caliper 150 mm 4 nos. 49. Inside spring caliper 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2 nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 no. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2 nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos.			
47. Fume filter mask 20 nos. 48. Out side spring caliper 150 mm 4 nos. 49. Inside spring caliper 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch <td< td=""><td></td><td></td><td></td></td<>			
48. Out side spring caliper 150 mm 4 nos. 49. Inside spring caliper 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack <td< td=""><td></td><td></td><td></td></td<>			
49. Inside spring caliper 150 mm 4 nos. 50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos.			20 nos.
50. Divider spring 150 mm 4 nos. 51. Centre punch 100 mm 4 nos. 52. File flat 2 nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 no. 69. Colour chart's 12 Nos.<	48.	, , ,	4 nos.
51. Centre punch 100 mm 4 nos. 52. File flat 2nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 nos	49.	Inside spring caliper 150 mm	4 nos.
52. File flat 2 nd cut 250 mm 4 nos. 53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2	50.	Divider spring 150 mm	4 nos.
53. Ordinary wooden mallet 50 mm 4 nos. 54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty	51.	Centre punch 100 mm	4 nos.
54. Cross pen hammer 0.25kg with handle 4 nos. 55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos.	52.	File flat 2 nd cut 250 mm	4 nos.
55. Snip straight 250 mm 4 nos. 56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos.each	53.	Ordinary wooden mallet 50 mm	4 nos.
56. Right cut snip 250 mm 4 nos. 57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2 nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	54.	Cross pen hammer 0.25kg with handle	4 nos.
57. Steel wire brush 4 nos. 58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	55.	Snip straight 250 mm	4 nos.
58. Marking gauge 4 nos. 59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8" with aluminum handle 2 nos. each	56.	Right cut snip 250 mm	4nos.
59. Tennon saw 300 mm to 375 mm 2 nos. 60. Jack plane metal 2nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos. 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	57.	Steel wire brush	4 nos.
60. Jack plane metal 2nos. 61. Smoothing plane wooden 2 nos. 62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	58.	Marking gauge	4 nos.
61. Smoothing plane wooden 62. Carpenter hammer with wooden handle 63. Chisel farmer 6 mm to 25 mm set 64. Chisel mortise 9 mm 65. Trying plane 66. File flat 2 nd cut 67. Stop watch 68. Paint mixing rack 69. Colour chart's 70. Air brush(air master make complete accessories) 71. Pedestal fan 72. Hair drier heavy duty 73. File flat smooth 74. "C" clamp 2" 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. 2 nos. 4 nos. 1 no. 2 nos. 1 no. 2 nos. 4 nos. 4 nos. 7 nos. 4 nos. 7 nos. 4 nos.	59.	Tennon saw 300 mm to 375 mm	2 nos.
62. Carpenter hammer with wooden handle 2 nos. 63. Chisel farmer 6 mm to 25 mm set 2 nos. 64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	60.	Jack plane metal	2nos.
63. Chisel farmer 6 mm to 25 mm set 64. Chisel mortise 9 mm 65. Trying plane 66. File flat 2 nd cut 67. Stop watch 68. Paint mixing rack 69. Colour chart's 70. Air brush(air master make complete accessories) 71. Pedestal fan 72. Hair drier heavy duty 73. File flat smooth 74. "C" clamp 2" 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. 2 nos. 2 nos. 1 no. 1 no. 2 nos. 4 nos. 2 nos. 4 nos. 2 nos. 2 nos. 2 nos. 4 nos. 2 nos.	61.	Smoothing plane wooden	2 nos.
64. Chisel mortise 9 mm 2 nos. 65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	62.	Carpenter hammer with wooden handle	2 nos.
65. Trying plane 2 nos. 66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	63.	Chisel farmer 6 mm to 25 mm set	2 nos.
66. File flat 2 nd cut 4 nos. 67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	64.	Chisel mortise 9 mm	2 nos.
67. Stop watch 1 no. 68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	65.	Trying plane	2 nos.
68. Paint mixing rack 1 nos 69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	66.	File flat 2 nd cut	4 nos.
69. Colour chart's 12 Nos. 70. Air brush(air master make complete accessories) 1 no. 71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	67.	Stop watch	1 no.
70. Air brush(air master make complete accessories) 71. Pedestal fan 72. Hair drier heavy duty 73. File flat smooth 74. "C" clamp 2" 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	68.	Paint mixing rack	1 nos
71. Pedestal fan 1 no. 72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	69.	Colour chart's	12 Nos.
72. Hair drier heavy duty 2nos. 73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	70.	Air brush(air master make complete accessories)	1 no.
73. File flat smooth 4 nos. 74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	71.	Pedestal fan	1 no.
74. "C" clamp 2" 4 nos. 75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	72.	Hair drier heavy duty	2nos.
75. Squeeze-2",4",6",8"with aluminum handle 2 nos. each	73.	File flat smooth	4 nos.
	74.	"C" clamp 2"	4 nos.
76. Palette knife 4 nos.	75.	Squeeze-2",4",6",8"with aluminum handle	2 nos. each
	76.	Palette knife	4 nos.

B. General Machinery Shop Outfit (As Per The Table)

SI.No.	Name and description of the machinery	Quantity
1.	Viscosity cup no. 4 with stand	1 No.
2.	Air compressor with complete accessories	1 no.
3.	Spray equipments and its accessories	1 no.
4.	Pot gun	2 nos.
5.	Sealer guns,	2 nos.
6.	Sealer nozzles,	2 nos.
7.	Sealer cartridge and gun	2 nos. each
8.	Baking oven	1 no.
9.	Electrostatic powder spray equipment (Corona CF)	1 Nos.
10.	Spray booth.	1 Nos.
11.	computer with latest configuration	5nos
12.	UPS centralized with 5 KVA capacity	1 no.
13.	Laser printer	1 no.
14.	Inkjet printer (colour)	1 no.
15.	Software: windows XP operating system, MS Office	1 each
	2007 (or latest version), antivirus system, licensed	
	version	
16.	Scanner	1 no.

C. WORKSHOP FURNITURE

SI.No.	Name and description of the machinery	Quantity
1	Suitable Work bench-4x6	4 nos.
2	Stools	20 Nos.
5	Trainees locker 20 peigon	2 Nos.
6	First-aid box	1 no.
7	Book shelf (glass panel)	1 No.
8	Storage Rack	2 nos.
9	Storage shelf	2 nos.
10	Exhaust fan heavy duty	1 no.
11	Computer table	5 nos.
12	Computer chair	20 nos.
13	Fire extinguisher	2 no.