

SYLLABUS FOR DESKTOP PUBLISHING OPERATOR				
	DURATION: ONE YEAR			
Duration	Reference Learning Outcome	Professional Skills (Trade Practical) With Indicative Hours	Professional Knowledge (Trade Theory)	
Professional Skill 90 Hrs; Professional Knowledge 18 Hrs	Install and set up operating system and related software in a computer following safety precautions.	 Visit DTPO Lab of the institutes and locate the electrical connections with computer system setup. (06hrs) Identifying safety symbols and hazard identification. (04hrs) Practice safe methods of fire fighting in case of electrical fire. (04hrs) Use of fire extinguishers. (04hrs) Identify computer peripherals and internal components of a disassembled desktop computer. (06hrs) Assemble components of desktop computer. (06hrs) 	 Safe working practices Scope of the DTPO trade. Safety rules and safety signs. Types and working of fire extinguishers. Introduction to computer components Introduction to computer system. Concepts of hardware and software. Function of motherboard components and various processors. Various Input/ Output devices in use and their features.(06 hrs) 	
		 Practice on Windows interface and navigating windows. (10hrs) Practice on managing files and folders using removable drives. (10hrs) Customize the desktop settings and manage user accounts. (06hrs) View system properties and control panel details. (06hrs) Work with keyboard 	 Introduction Windows Operating System Introduction to operating System Main features of Windows OS Concept of various shortcut commands. Introduction to the booting process. Introduction to various types of memories and 	



Professional Skill 30 Hrs; Professional Knowledge 06 Hrs Professional	Create, format, edit text file, document file and BMP file by using different Accessories of Windows.	shortcut commands. (06hrs) 12. Print and scan document using different commands. (04hrs) 13. Install Windows operating system. (06hrs) 14. Install necessary application software for Windows i.e. Office Package, PDF Reader, Media Player etc. (04hrs) 15. Install Drivers for printer, scanner, webcam and DVD etc. (04hrs) 16. Burn data, video and audio files on CD/DVD using application software. (04hrs) 17. Practice to create text file by Notepad and edit file by using different menu under notepad. (06hrs) 18. Practice to create text file by Notepad and edit file by using different menu under notepad. (06hrs) 18. Practice to create basic available under Word. (10hrs) 19. Practice to create basic symbols by using MS Paint and format the drawing by using different tools available. (14hrs) 20. Practice typing using open	
Professional Skill 120 Hrs; Professional Knowledge 24 Hrs	Create, edit, format and enhance document using word processing application software.	 20. Practice typing using open source typing tutor. (30hrs) 21. Open MS Word and familiarise with basic word components. (02hrs) 22. Practice creating, saving and renaming word 	DocumentSetUp:ConceptualizationofDocumentDesktop Publishing• Introduction• Merits and demeritsWord Processing Software



23. Use Ne (02 24. Edi cha pan too 25. Pra for Tak (08 26. Pra lay col For 27. Use cus opi 28. Ins syr Nu No inc 29. For Pic for 30. Eni add bol eni	hrs) t document using basic racter formatting and agraph formatting ls. (08hrs) ctice to create and mat Tables including le Formatting Tool. hrs) ctice to create page put including insert umn by using Page matting. (04hrs) e Auto Correct tool and tomize Auto correct ion. (04hrs) ert Header/Footer, hols, Equations, Page mber, Foot Note, End te, Citation, pictures uding Clip arts. (06hrs) mat Header/Footer, suding Clip arts. (05hrs) mat Header/Footer, suding Clip arts. (05hrs) mat Header/Footer, sure by using respective matting tool. (05hrs) manced document by ling Page/ Paragraph der, shading and mancement features like ude pictures within ument in proper place.
---	--



Envelop printing using Mail Merge. (10hrs) 34. Practice to create, record and execute Macro. (03hrs) 35. Practice of using shortcut keys in Word Processor. (12 hrs)	
Skill 30 Hrs;Networking concept including sharing of Hrodes(01hr)Introdu sharing in peer to peer connection. (01Hrs)Introdu advant06 Hrsuse of Internet, accessing/ browsing, downloading and e- mailing.38. Browse the Internet for information (use at least 3 popular browsers). (04hrs)Netwo information (use at least 3 popular browsers). (04hrs)39. Practice to create and use e-mail for communication with attachment, priority setting, address book. (03hrs)Netwo introdu and M.40. Communicate with text, video chatting and social networking sites. (04hrs)Netwo mailing.41. Use online dictionary, 	Server and peer to networking concepts. ork topologies. duction to LAN, WAN MAN. ork components, viz. em, Hub, Switch, er, Bridge, Gateway ork Cables, Wireless orks and Blue Tooth hology. duction to www, ept of internet, web sers, internet servers earch engines. epts of Domain



		C1	[]
		file and install it in local machine. Download	
		different type of suitable	
		image and insert within	
		publication. (06hrs)	
Professional	Create, format and	44. Open PageMaker and	About Publication Software:
Skill 180 Hrs;	edit different	familiarize with basic	• Define different type of
	publication using	screen component of	publication like
Professional	publication software	opening screen of	newspaper, magazine,
Knowledge	Adobe Pagemaker.	PageMaker Window.	books, newsletters, visiting
36 Hrs		(05hrs)	cards, letter head,
		45. Practice creating, saving	brochures, poster etc.
		PageMaker document.	 Introduction to adobe
		(10hrs)	PageMaker.
		46. Introduce tool box and	• Introduction to properties
		practice different tools.	and editing of text.
		(20hrs)	 Introduction of page
		47. Draw rectangle, ellipse,	layout, creating, saving,
		circle, rounded rectangle,	formatting and printing
		polygon, star and different	publication using
		frame by using tools.	PageMaker.
		(20hrs)	• Working with objects,
		48. Type text on a full page or	templates and other tools
		page consisting of columns	in PageMaker.
		(creating column first) and	 Proof reading and its
		threading text blocks.	marks.
		(14hrs)	(36hrs)
		49. Introduce three views of	
		control pallet – character	
		view, paragraph view and	
		object view. (05hrs)	
		50. Practice the formatting	
		character like changing in	
		font style, size, leading,	
		kerning, tracking by using	
		character view of control	
		pallet. (05hrs)	
		51. Practice formatting	
		paragraph like different	
		alignment and indentation	
		by using paragraph view of	
		control pallet. (05hrs)	



52. Practice formatting	
including resizing, rotating,	
skewing and create mirror	
image of the object by	
using object view of	
control pallet. (03hrs)	
53. Introduce colour pallet and	
create, edit and remove	
colours from the pallet.	
(05hrs)	
54. Practice to create the	
PageMaker file by using	
template and save files as	
templates. (05hrs)	
55. Introduce measurement	
system, setting up rulers,	
adjusting layout. Practice	
positioning ruler guides,	
zero lock and position	
different objects as per	
ruler guides. (06hrs)	
56. Use copy, paste and paste	
multiple of text and object.	
(05hrs)	
57. Insert importable file	
within document and also	
establish a link. Insert/	
draw graphics, crop it and	
wrap text around graphics.	
(06hrs)	
58. Useown styles and apply	
the style on the document.	
(05hrs)	
59. Copy text block from word	
document file within	
PageMaker document and	
show the autoflow feature.	
(06hrs)	
60. Set different type of stroke	
and fill style on the object	
by using Element Menu.	
Create group/ un-group,	



			1
		mask/ un-mask, lock/ un-	
		lock objects. (10hrs)	
		61. Change document setup by	
		document setup dialog box	
		including margin and	
		facing page. Introduce	
		page sorter view and	
		repositioning the page.	
		(05hrs)	
		62. Introduce master page and	
		insert page number,	
		column guide using master	
		page. (06hrs)	
		63. Change edit layout to story	
		layout and apply find-	
		replace, spell check on the	
		document, customize the	
		dictionary, hyphenation.	
		(06hrs)	
		64. Export a graphic/ text from	
		PageMaker to other	
		format. (03hrs)	
		65. Practice to create table of	
		content, index and library.	
		(03hrs)	
		66. Use of template, picture,	
		script and library pallet.	
		(10hrs)	
		67. Print the publication by	
		choosing odd pages, even	
		pages, proof, reverse	
		printing, composite colour,	
		4 colour separation using	
		laser printer. (06hrs)	
		68. Printing of publication	
		proof correction with	
		•	
		appropriate reading marks. (06hrs)	
Professional	Create, edit, format	69. Open Quark Xpress and	Page layout software:
Skill 150 Hrs;	and develop	familiarize with basic	• •
SKIII 150 HIS;	•		Different type of page
Professional	publication using	screen component of	,
FIDIESSIDIIdi	Quark Xpress	opening screen of Quark	 Introduction to Quark



Knowledge	application	Xpress Windows. (02hrs)	Xpress.
Knowledge 30 Hrs	application software.	 70. Practice creating new publication using existing layout, save the publication and again open it.(02hrs) 71. Practice creating different layout within a single document, typing and manipulating text by using formatting tool. (20hrs) 72. Practice to type change type style, alignment of text, rotating and moving of text block, setting type tab, indents and leaders. (20 hrs.) 73. Draw graphics by using different tools available in tool box. (20hrs) 74. Edit, rotate, resize, reposition and scale of graphics in publication. (20hrs) 75. Apply colour to the object by creating own solid, blended colours. Adding/removing colours from colour palette. (03hrs) 76. Practice to group / ungroup, lock/ unlock objects and wrapping text around the object. (15hrs) 77. Practice creating threaded text by linking and also unthread it by unlinking. 	 Xpress. Introduction to properties and editing of text. Introduction of page layout, creating, saving, formatting and printing publication using Quark Xpress. Working with objects, templates and other tools and menus in Quark Xpress. (30 hrs)
		 (10hrs) 78. Practice creating tables and also manipulate table by using table menu. 	
		(20hrs) 79. Use master page and	



		include master items within page and create own master page. (03hrs) 80. Set pages by using document set up. Adjust	
		layout of page, rearranging pages, creating columns. (03hrs) 81. Import and linking text and	
		graphics within document and also export text and graphics from Quark Xpress to PDF and other web layout format. (02hrs)	
		82. Print documents by using different options available in print menu with composite and separating colour. (10hrs)	
Professional Skill 30 Hrs;	Install and setup scanner and scan the documents and	83. Install scanner and use scanner to scan picture, line drawing and	Scanning:Principle of scanningTypes of scanner (flatbed
Professional Knowledge 06 Hrs	images.	document. (10hrs) 84. Select scanner resolution and adjust highlights, middle tone, shadow, contrast, brightness, saturation. (06 hrs) 85. Read colour strip and do colour correction. (06 hrs) 86. Making of OCR. (08 hrs)	 & drum) and its use. Resolutions, DPI, LPI, PPI Graphics drawings inputs of pictures, sketches etc. Preparation of OCR. (06 hrs)
Professional	Create, format, edit	87. Open Adobe Photoshop	Image Fundamentals and
Skill 180 Hrs;	and develop images using Adobe	and familiarize with basic screen component of	Image editing Software:++Different type of images
Professional Knowledge 36 Hrs	Photoshop software.	opening screen of Photoshop Windows. (04hrs) 88. Practice creating new canvas using existing canvas size, save it and again open it.(04hrs) 89. Create new layers by	 pixel and vector – their properties and differences. Introduction to the measurement of picture quality – resolution of picture and their quality depending upon the resolution.



 duplicating layer, via copy layer or cut layer. Practice different properties like visibility, transparency, opacity and blending mode of layers. (16hrs) 90. Practice rearranging layer, lock layer, merge down, visible, flatten layer. (04hrs) 91. Practice to select images of pixel format by using Marquee-Rectangular/ Elliptical/ single row/single column, Lasso, Polygonal Lasso, Magnetic Lasso, Magic, wand tool. (06hrs) 92. Practice to edit pixel images by using crop, slice, heeling brush, brush, history brush, eraser, blur, dodge, smudge, burn, clone, clone stamp tool in standard mode and quick mask mode. (16hrs) 93. Practice to change the background of image, cut one portion of image and place on the other image. Change eye colour, hair style, colour of garment. (16hrs) 94. Change default foreground and back ground colour from the tool box and also create/ edit/ delete colour by colour swatches and apply the colour on the drawn image by using paint bucket and gradient tool. Also create own pattern style. (06hrs) 	 Define the colour property of picture – Tonal Value, Tonal gradation, Continuous tone and Half tone. Introduce highlight, middle tone and shadow area of image. Discuss the property of various image file format. Discuss the relation between pixel density and size of the image. Introduce different tools and menus available in Photoshop. (36 hrs)



95. Practice to type text by	
using horizontal and	
vertical type tool and	
format the text by using	
different options available	
on property bar. (06hrs)	
96. Practice to create	
horizontal and vertical type	
mask tool and colour it by	
using paint bucket and	
gradient tool. (04hrs)	
97. Draw paths by using pen	
tool, using different inbuilt	
shape, edit paths using	
anchor point and change	
the property from the property bar. Also rasterize	
the path (from vector to	
pixel). (16hrs)	
98. Practice to see image by	
using different display	
options. (04hrs)	
99. Apply different layer	
properties like shadow,	
bevel and emboss, satin,	
colour and pattern overlay.	
(18hrs)	
100. Edit images by changing	
colour mode(B/W to	
Colour and Colour to B/W),	
brightness contrast, hue	
and saturation, colour	
label, changing pixel	
dimension and re-sampling	
images. (16 hrs)	
101. Apply different filter	
effects like render, 3D	
transform, lens flare,	
lighting effects, motion	
blur, radial blur and	
artistic effect on	
image.(16 hrs)	



		 102. Practice to create artificial rainbow, cloud, waves, shadow, star, sun on the image. (16 hrs) 103. Save the file in other format like JPEG, PSD, PDD, TIFF, GIF, WMF and also create PDF presentation. (06 hrs) 104. Print image by using different options
		available in print menu with composite and separating colour. (06hrs)
Professional Skill 120 Hrs; Professional Knowledge 24 Hrs	Draw, edit, format and develop graphics design using Corel draw application software.	 105. Open Corel Draw and familiarize with basic screen component of opening screen of Corel Draw Windows. (02hrs) 106. Practice creating new file, draw any simple graphics design save it and again open it.(02hrs) 107. Draw graphics by using different tools like free hand, Bezier, pen, artistic media and also draw different geometrical shape using pre-define shape available in tool Graphics Designing Software Introduction to line art design. Introduction to clour-define, different colour modes and colour wheel, showing primary, secondary and tertiary colour. Introduction to features of Corel Draw and its toolbar and menu bar. Creating, saving, formatting and printing graphics design using Corel Draw. (24hrs)
		box. (10hrs) 108. Edit, rotate, resize, reposition, scale and apply fill and border colour on graphics design. (06hrs) 109. Apply different fill like solid, fountain, pattern, texture, postscript to the object using predefined library and also creating



own fountain, pattern
and texture. (06hrs)
110. Draw different type of
outline of the object and
colour it using outline
pen tool. (03hrs)
111. Practice to edit drawing
(convert into curve) by
manipulating three types
of nodes using shape tool
and apply different
properties available
property bar. (10hrs)
112. Practice to edit drawing
by using knife, eraser
tool and apply the
different properties
available on the property
bar. (06hrs)
113. Write artistic and
paragraph text by using
text tool and format the
text using different
options available in
character and paragraph
pallet. (10hrs)
114. Practice to group/
ungroup, combine/ break
curve apart, lock/unlock
the objects and wrapping
text around the object.
(03hrs)
115. Practice to apply
different interactive
effect on object like
blend, contour, drop
shadow, extrude,
envelop and
transparency. Apply
different properties
associated with specific
effect also apply the



			effects available from	
			blend, contour, drop	
			shadow, extrude,	
			envelop and	
			transparency from the	
			menu bar. (16hrs)	
		116.	Apply different alignment	
			on the object with	
			respect to object	
			themselves and page.	
			(02hrs)	
		117.	Apply different shape like	
			weld, trim, intersect on	
			the object using shaping	
			pallet. (16hrs)	
		118.	Apply all the options	
			available under text	
			menu on paragraph and	
			artistic text. (16hrs)	
		119.	Export text and graphics	
			from Corel Draw to PDF	
			and other web format.	
			(01hr)	
		120.	Import graphics (pixel)	
			from outside and apply	
			different options	
			available in bitmap	
			menu. (05hrs)	
		121.	Print graphics by using	
			different options	
			available in print menu	
			with composite and	
			separating colour.	
			(06hrs)	
Professional	Create, edit, format	122.	Open InDesign and	Page Layout Software:
Skill 150 Hrs;	and develop page		familiarize with basic	• Introduction to Adobe
	combining text and		screen component of	InDesign.
Professional	graphics using page		opening screen of In-	• Introduction to properties
Knowledge	makeup Adobe		Design Window. (03hrs)	and editing of text.
30 Hrs	InDesign application	123.	Practice creating, saving	Introduction of page
	software.		InDesign document.	layout, creating, saving,
			(03hrs)	formatting and printing
		I		



124. Introduce tool box and practice different tools. (15hrs)	 publication using InDesign. Working with objects, templates and other tools
125. Practice to set Margin, Facing Page & column guide and type the text according to layout. (13hrs)	 in In Design. Preparation of page imposition. (30hrs)
126. Practice to create threaded and un- threaded text block. (03hrs)	
127. Format character including font style, size, leading, tracking, kerning. (08hrs)	
128. Format paragraph like different alignment and indentation. (06hrs)	
129. Draw and place graphics within page and do text wraps, resizing, rotating and skewing. (08hrs)	
130. Create templates and style pallets. (06hrs)	
131. Introduce colour pallet and create, edit and remove colours from the pallet. (03hrs)	
132. Practice to create the In Design file by using template and save files as templates. (03hrs)	
133. Introduce measurement system, setting up rulers, adjusting layout. Practice	
positioning ruler guides, zero lock and position different objects as per ruler guides. (03hrs)	
134. Use copy, paste and paste multiple of text	



and object using edit menu. (03hrs)
135. Practice to create own
different type of
publication matter like
visiting card, letter head,
tri-fold brochure, small
advertisement, big
advertisement. (20 hrs)
136. Insert importable file
within document and
also establish a link.
Insert/ draw graphics,
crop it and wrapping text
around graphics. (03 hrs)
137. Use own styles and apply
the style on the
document. (03 hrs)
138. Copy text block from
word document file
within InDesign
document. (03hrs)
139. Set different type of
stroke and fill style on
the object. Create group/
ungroup, mask/ unmask,
lock / unlock objects.
(12hrs)
140. Create custom colour
within colour pallet. (03
hrs)
141. Apply find-replace, spell
check on the document,
customize the dictionary,
hyphenation. (08hrs)
142. Export a graphic/ text
from InDesign to other
format. (03 hrs)
143. Practice page imposition
(8/ 16/ 32 forma) of book
by combining InDesign
page. (10hrs)



		144. Print the document by choosing odd pages, even pages, proof, reverse printing,	
		composite colour, 4 colour separation using laser printer. (08hrs)	
Professional Skill 60 Hrs; Professional Knowledge 12 Hrs	Create, edit and format different types of publication using bilingual software.	 145. Set INSCRIPT key board (any regional language/ Hindi) in Windows environment and practice typing by using any word processor. (30 hrs) 146. Install any bilingual software like iLeap Office/ ISM/STM software and create solid and tabular text document. (30 hrs) 	 Bilingual Software Introduction, need &overview of bi-lingual software. (12 hrs)
Professional Skill 60 Hrs; Professional Knowledge 12 Hrs	Print, bind and publish to form a full-fledged book format.	 147. Install new Printer by printer setup. (11hrs) 148. Use printer properties to set page orientation, paper size, auto flip, quality, colour adjustment and take print out to see effect of that adjustment. (13hrs) 149. Use Inkjet/Laser Printer for taking out draft copies. (09hrs) 150. Use Digital Flex Machine (color) to print banner, visiting card, letterhead, advertisement with high quality resolution including regional language document. (13hrs) 151. Binding the pages in form of book using spiral 	 flexographic printer and its uses. Page orientation, paper size, auto flip, quality, colour adjustment and take print out.



		binding	machine.	
		(14hrs)		
Industrial Visit/ Project work:				
1. Create own visiting card and letterhead including own style and logo, showing cutting mark and				
colour registration, symbol and take a print by using any colour printer.				
2.	2. Create a regional language magazine showing column structure and insert properly edited			
	appropriate picture within magazine.			
2.	Create at least one banner and one poster on skill development.			