	PCB. Workshop.
8	Describe the function of double sided uv
1 301	exposure unit.
	A STANDARD STANDARD STANDARDS
	>1. A double sided un evaccum exposure uniti
	parts such as double sided printed
	circuit board [PCB.]
2	. The Vaccum makes these UN exposure units
	suitable for processing un sensitive -
	flexible substrate materials. also vaccum
	exposure unit gives better PCB etching
	results. Double sided exposures take about
	160 sec tobecompleted.
10.0	1) ct the Costinosome wood for OCR January
4-2/	List the softwares used for PCB layout
	using diptrace or EnGLE software.
100	desiring difference of choice of the sail.
$\rightarrow$	Software's used one:
•	Altium Designer
	solid works PCB.
•	Diptrace
•	Ki cad EDA.
•	PCB artist by advanced circuits.
	artiboard by national Instruments.
	x circuit.
	Eagle, etc.
0	Grefting software.
(D)	Planning phase & setup.
(3)	library setup.
(4)	Part placement 1 placing resistor

/		
1	5	Part placement @ placing LED's  Part placement @ placing switches  Part placement @ connections
1	6	Part placement 3 placing switches
5	8	Part placement. (1) placing switches Adding resistor values
1	9	Penaming connectors
-	(1)	TED GROWN OF
-	0	CHECKING
3	(13)	Precision port placement
-	(12	Thisming louches and DRC.
-	0.3	write and explain in short, the steps for
t	04	Fabrication of RCB
		provere a pathway for the flows or
	$\rightarrow$	The fabri process for fabrication of PCB are:
4	i·)	Imaging desired layout on copper clad
-		laminates would blod no 839 A 1876
-	_11:	Etching or removing excess of copper from
-		Inner layers to reveal traces & pads.
	iii	Creating the PCB layer stackup by
		laminating board materials at high -
-	- 1	temperatures.
-	(V)	Drilling holes for mounting holes, through
-		hole pins and vias.
_	(.)	Etching or removing excess of copper from
_		the surface layers.
-	(·14	silk screen printing referance & polarity
_		Indicator lagos of other
		01125000
	(·11)	Finish to be added to copper areas of
		software.

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9:4) Explain PCB In details: ans-i) A Printed Circuit Board (PCB.) is an electronic circuit used in devices to provide mechanical support and a pathway to it's electrical components. It is made by combining different sheets of non-conductive material, such as fibur-glass on glass that holds copper circultary. A PCB works on the copper films that are placed inside of it to provide a pathway for the flow of current. A PCB can hold vourous electroniccomponents that may be soldered without wing Visible wires which facilitates it's use, they are found In nearly every electronic and computing device.







