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Courses » Design Practice - II

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Unit 5 - WEEK **04 Design Practice II**

	The due date for submitting this assignment has pa	ssed.
low to access ne portal	As per our records you have not submitted this assignment.	Due on 2018-09-26, 23:59 IST.
/EEK 01 Design ractice II	1) is considered as the most expensive micromed	hanical process: 1 poin
/EEK 02 Design ractice II	Etching Lift-off technique	
/EEK 03 Design	Lithography Masking	
/EEK 04 Design	No, the answer is incorrect. Score: 0	
Introduction to Silicon as a MEMS material	Accepted Answers: Lithography	
Etching processes	2) Lithography is used for: Forming resist layers on the substrate	1 poin
Types of Photolithography	Cutting tool Forming electric bonds	
Introduction to actuators	None of these	
Designing of the Micro-Valve	No, the answer is incorrect. Score: 0	
Quiz : Assignment 04_Design Practice 2	Accepted Answers: Forming resist layers on the substrate 3) Types of lithography:	1 poin
Solutions_Week 04_Assignment 04	Photolithography X-ray lithography	,

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WEEK 06 Design Practice II	ce De	4) Types of photoresist: Positive	1 point
WEEK 07 Design Practice II		Negative	
WEEK 08 Design Practice II		Positive and Negative None of them	
		No, the answer is incorrect. Score: 0	
		Accepted Answers: Positive and Negative	
	!	5) State which of the following statements is/are true	1 point
		Positive photoresist softens on exposure to UV light	
		Positive photoresist hardens on exposure to UV light	
		Negative photoresist softens on exposure to UV light	
		Negative photoresist hardens on exposure to UV light	
		No, the answer is incorrect. Score: 0	
		Accepted Answers:	
		Positive photoresist softens on exposure to UV light	
		Negative photoresist hardens on exposure to UV light 6) In X-ray lithography, the X-ray absorber is usually:	1 point
		Silver	
		Gold	
		Aluminum	
		None of them	
		No, the answer is incorrect. Score: 0	
		Accepted Answers: Gold	
		7)is projecting electron beam directing on photoresist of the wafer:	1 point
		E-beam lithography	
		Light emitting	
		Electron beam gun	
		Radar beam	
		No, the answer is incorrect. Score: 0	
		Accepted Answers: E-beam lithography	
	;	8) The electron gun is used in lithography because it is:	1 point
		Inexpensive	
		Accurate	
		Doesn't require high voltage	
		None of them	

No, the answer is incorrect. Score: 0	
Accepted Answers: Accurate	
9) used for removing desired areas of the photo resist from the substrate:	1 point
LIGA	
Lithography	
Etching	
None of them	
No, the answer is incorrect. Score: 0	
Accepted Answers: Etching	
10)Types of etching are:	1 point
Wet isotropic	
Wet anisotropic	
O Dry	
All of them	
No, the answer is incorrect. Score: 0	
Accepted Answers: All of them	
11)is an Etch stop technique.	1 point
Wet isotropic etching	
Wet anisotropic etching	
Electrochemical etching	
Physical sputter etching	
No, the answer is incorrect. Score: 0	
Accepted Answers: Electrochemical etching	
12)is the etching through chemical or physical interaction between ions:	1 point
Wet isotropic etching	
Wet anisotropic etching	
Dry etching	
None of these	
No, the answer is incorrect. Score: 0	
Accepted Answers: Dry etching	
13) is used for metals that are hard to etch:	1 point
Lift-off technique	

Combined physical/chemical etching Physical sputter etching Chemical plasma etching	
No, the answer is incorrect. Score: 0 Accepted Answers: Lift-off technique	
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