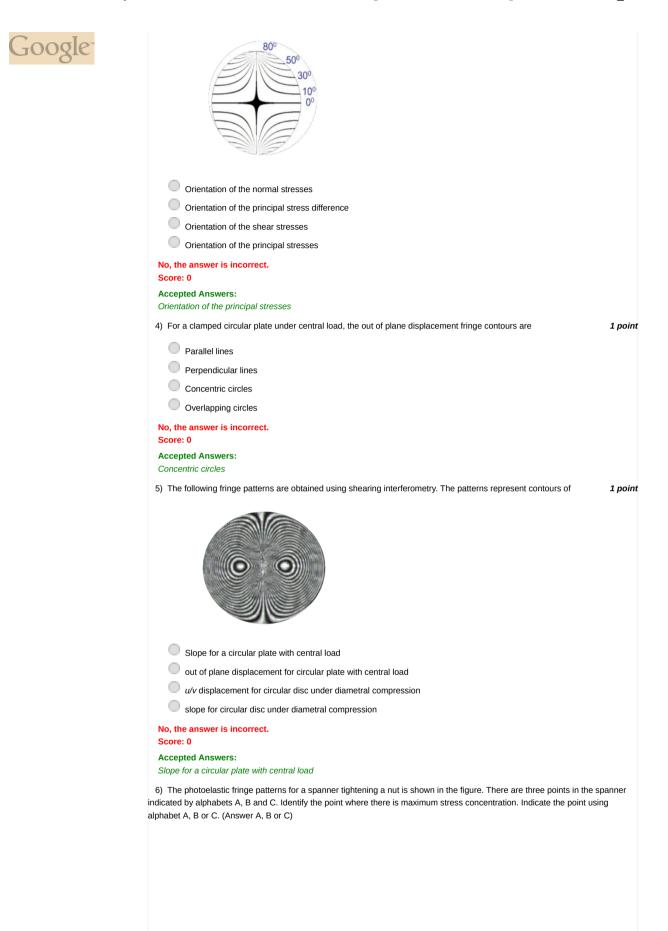
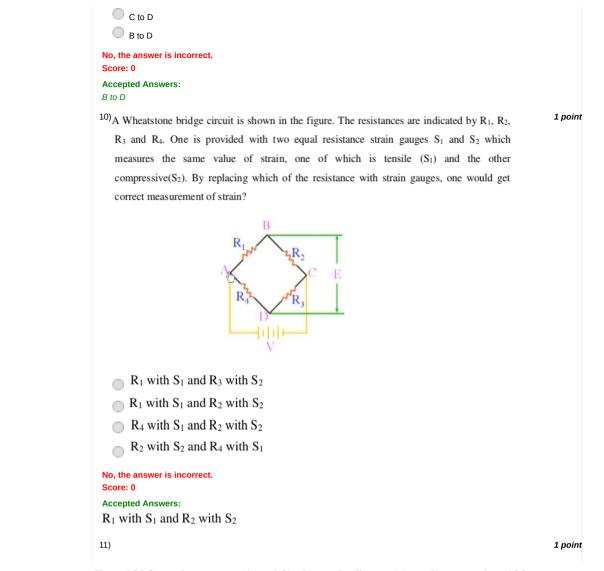


Experimental Stress Analysis-An Overview - - Un...

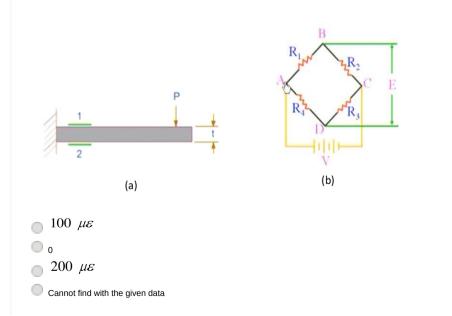


Experimental Stress Analysis-An Overview - - Un...

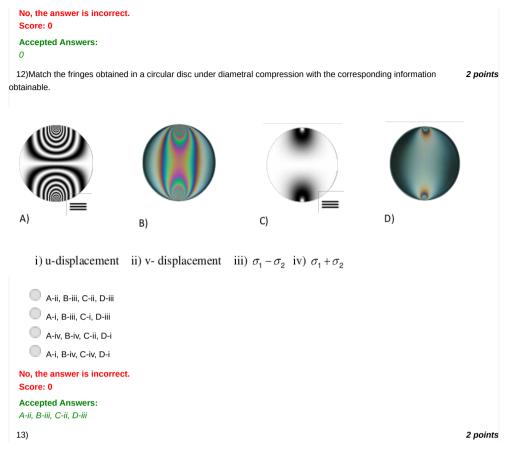
No, the answer is incorrect. Score: 0	
Accepted Answers:	
(Type: String) A	
	1 point
7) For the problem of spanner tightening a nut which of the following approaches can be considered for getting whole ield stress/strain information.	1 point
Strength of Materials	
Theory of elasticity	
Experimental methods	
No, the answer is incorrect. Score: 0	
Accepted Answers: Numerical methods Experimental methods	
 A numerical solution of a model using a commercial Finite Element software can be used to visualize 	1 point
	1 point
Stress field	
displacement field	
Strain field	
all of these	
No, the answer is incorrect.	
Score: 0 Accepted Answers:	
all of these	
9) The gauge length of the strain gauge shown in figure is the distance from the points	1 point
A to D	



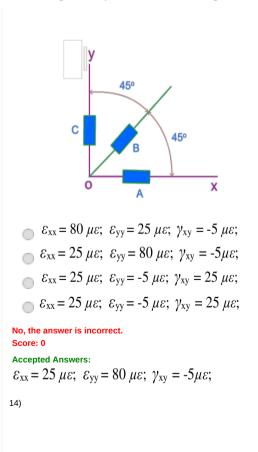
Two 120 Ω strain gauges (1 and 2) shown in figure (a) each measuring 100 $\mu\varepsilon$ are rep with the resistance R₁ and R₃ of the Wheatstone bridge shown in figure (b). What value of strain measured,



Experimental Stress Analysis-An Overview - - Un...



Strain rosette shown in the figure measures, strains 25 $\mu\varepsilon$, 50 $\mu\varepsilon$, 80 $\mu\varepsilon$ in strain gauges and *C* respectively. Find out the components of the strain tensor at point O.



-) N, thickness = 6mm). Fringe order (N) and isoclinic angle (θ) at a to be 2 and 30°. Find out
	to be 2 and 50. Thid but
$\sigma_1 - \sigma_2$) in MPa	
	* *
No, the answer is incorrect. Score: 0	
Accepted Answers:	
(Type: Range) 3.5,4.5	2
5)	2
$^{(5)}(\sigma_x - \sigma_y)$ in MPa	
	* *
No, the answer is incorrect. Score: 0	
Accepted Answers:	
(Type: Range) 1.5,2.5	2
6)	2
⁶⁾ τ_{xy} in MPa	
	* *
No, the answer is incorrect.	
Score: 0	
Accepted Answers: (Type: Range) 1.5,2	
(1)pc. Nange/ 1.3,2	2