X

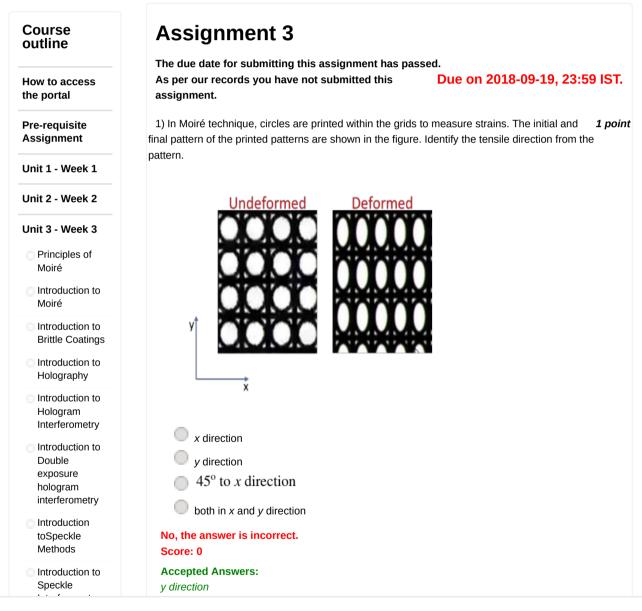
NPTEL

reviewer3@nptel.iitm.ac.in ▼

## Courses » Experimental Stress Analysis-An Overview

Announcements Course Ask a Question Progress Mentor FAQ

## Unit 5 - Unit 3 -Week 3



© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

G+

A project of





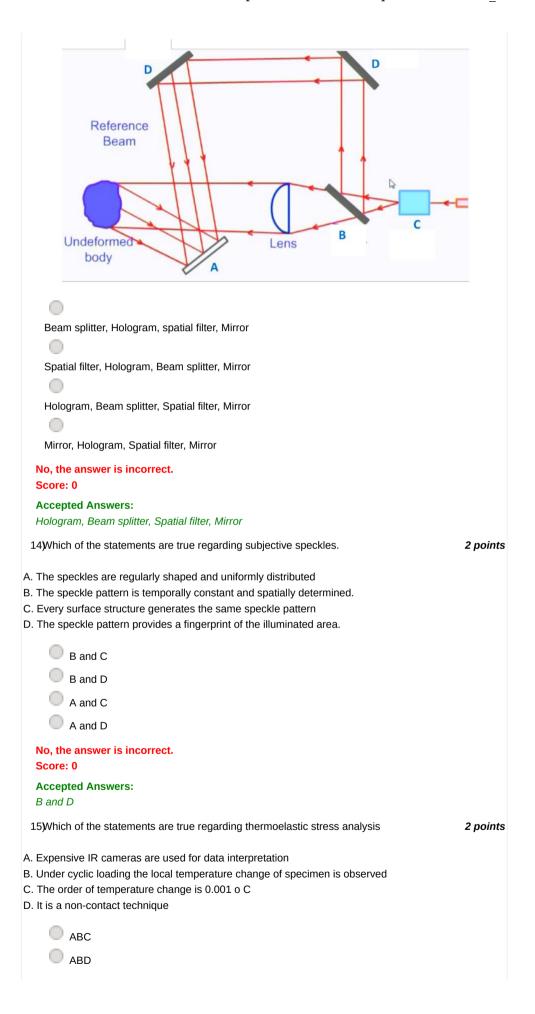
Funded by

In association with

Feedback - Experimental Stress Analysis-An Overview	Speckle deformation  No, the answer is incorrect. Score: 0
Unit 4 - Week 4	Accepted Answers:  Mechanical interference
VIDEO DOWNLOAD	3) When the yield strength of the material could not be identified clearly from the stress-strain <b>1</b> point curve. One can take the yield stress as the point in the stress-strain curve corresponding to the strain value of
	_ 2 με
	_ 20 με
	$_{\odot}$ 200 $\mu\varepsilon$
	_ 2000 με
	No, the answer is incorrect. Score: 0
	Accepted Answers:
	$2000 \mu \varepsilon$
	4) In Moiré technique the fringes denote the component of displacement in <b>1</b> point
	the same direction of master grating
	the direction perpendicular to the master grating
	the direction parallel to the master grating
	All of these
	No, the answer is incorrect. Score: 0
	Accepted Answers: the direction perpendicular to the master grating
	5) The cracks noticed during a brittle coating technique are called The boundary enclosing these cracks are called
	Isopachics, Isostatics
	Isostatics, Isoentatics
	Soentatics, Isostatics
	Socilinics, Isopachics
	No, the answer is incorrect. Score: 0
	Accepted Answers:  Isostatics, Isoentatics
	6) The difference between normal photography and holography is that <b>1</b> point
Photography records both intensity and phase while holography records only p	
	Photography records only intensity whereas holography records both intensity and phase
	Photography records only phase while holography records intensity
	Both photography and holography are same

No, the answer is incorr Score: 0	rect.	
Accepted Answers:		
	r intensity whereas holography records both intensity and	
7)		1 point
The figure shows the	e principle of holography. In the figure $\phi$	indicates the
	Deflected object	
Intensity	<del>min</del> E	
Wave length		
Phase Frequency		
	and the state of t	
No, the answer is income Score: 0	ect.	
Accepted Answers: Phase		
8) The isopachic contours	obtained using holography are contours of	1 point
$\begin{array}{c} \sigma_1 - \sigma_2 \\ \sigma_1 + \sigma_2 \end{array}$		
$_{\odot}$ $\sigma_{1}$ + $\sigma_{2}$		
$_{\odot}$ $\sigma_{_{1}}$		
$_{0}^{0}$ $\sigma_{1}^{0}$ $\sigma_{1}^{0}$		
No, the answer is incorr Score: 0	rect.	
Accepted Answers:		
$\sigma_1 + \sigma_2$		
9) Any smooth surface who	en looked at the scale of wavelength of light, will be rough	1 point
True		
False		
No, the answer is incorr	rect.	
Accepted Answers:		

10)Waves scattered from any single point of the object are focused to a corresponding point of <b>1</b> point the image in a subjective speckle method due to the use of				
Lens				
Beam splitter				
Spatial filter				
High resolution camera				
No, the answer is incorrect.				
Score: 0				
Accepted Answers: Lens				
11)The figure shows the schematic of which of the following experimental technique 1 point				
Mirror 1				
Beam Splitter				
Mirror 2				
Image Plane				
Holography				
Speckle interferometry				
Shearography				
Geometric Moiré				
No, the answer is incorrect. Score: 0				
Accepted Answers:				
Shearography				
12)A thermoelastic stress analysis provides 1 point				
Variation of principal stresses under random loading				
Variation of sum of principal stresses under random loading				
Contours of sum of principal stresses				
Thermal stresses under random loading				
No, the answer is incorrect. Score: 0				
Accepted Answers:				
Variation of sum of principal stresses under random loading  13The figure shows the setup of a double exposure hologram interferometry. Name the parts 2 points.				
indicated by A, B, C, D respectively				
13)The figure shows the setup of a double exposure hologram interferometry. Name the parts <b>2</b> points				



https://onlinecourses.nptel.ac.in/noc18\_me72/un...

O DAB ABCD	
No, the answer is incorrect. Score: 0 Accepted Answers: ABCD	
Previous Page	End