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No, the answer is incorrect. Score: 0

Accepted Answers:

per our records you have not submitted this assignment.	Due on 2021-09-08, 23:59 IST.
Defocussing error in x-ray texture measurements occurs due to:	1 point
(a) Peak broadening attributed to sample tilting.	
(b) Absorption of radiation attributed to sample tilting. (c) Peak broadening attributed to sample rotation about its axis.	
(d) Absorption of radiation attributed to sample rotation about its axis.	
lo, the answer is incorrect. core: 0	
ccepted Answers: a) Peak broadening attributed to sample tilting.	
Why multiple pole figures are measured in x-ray goniometer?	1 point
(a) Because no plane normal could be measured by χ tilting and φ rotation.	
(b) Because only plane directions could be measured by χ tilting and φ rotation.	
(c) Because a pole figure could not be measured from χ tilting from 0° to 20°.(d) None of the above.	
lo, the answer is incorrect.	
Score: 0 Accepted Answers:	
c) Because a pole figure could not be measured from χ tilting from 0° to 20°.	
Which of the following sentences are true regarding x-ray texture measurements?	1 point
(a) Defocussing error can be reduced by using wider receiving slit and narrower divergent slit.	
(b) Background error can be reduced by using wider receiving slit and narrower divergent slit. (c) Defocussing error can be reduced by using narrower receiving slit and wider divergent slit.	
(d) Background error can be reduced by using narrower receiving slit and wider divergent slit.	
lo, the answer is incorrect.	
ccepted Answers:) Defocussing error can be reduced by using wider receiving slit and narrower divergent slit.	
Background error can be reduced by using narrower receiving slit and wider divergent slit.	
Pole figure cannot be measured for:	1 point
(a) α≥70°;	
(b) θ≤10°; (c) q≤70°:	
(c) α≤70°; (d) θ≥10°;	
lo, the answer is incorrect.	
ccepted Answers:	
) α≥70°;) θ≤10°;	
Normalization of intensities to standard units (MRD) is done:	1 point
(a) To correct the errors due to the background and peak broadening.	
(b) To remove the effect due to absorption.	
(c) to decrease the standard deviation in the pole figure due to statistical scatter. (d) to make the pole figure data independent of experimental parameters.	
lo, the answer is incorrect.	
core: 0 ccepted Answers:	
d) to make the pole figure data independent of experimental parameters.	
Elastically backscattered electrons are generated by:	1 point
(a) Interaction of incident e^{-1} beam with $e^{-1}s$ present in the e^{-1} cloud of the specime	en.
(b) Interaction of incident e^{-1} beam with atomic nucleuses of the specimen.	
(c) Interaction of incident e^{-1} beam with conduction and valence band $e^{-1}s$ of the specific	ecimen.
(d) None of the above.	
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