## Courses » Symmetry and Structure in the Solid State

Announcements Course Ask a Question Progress FAQ

## Unit 14 - Structure Determination Methodologies 1

| Register for |
| :---: |
| Certification exam |

Course
outline

| How to access |
| :--- |
| the portal |
| Basics of |
| Symmetry 1: |
| Generation of |
| Point Groups |
| Basics of |
| Symmetry 2: |
| Detailed |
| Understanding |
| of 32 Point |
| Groups |

Assignment of Point Groups to Crystal Systems and Bravais
Lattice

Basics of
Symmetry 4:
Space Group
Description And
Introduction to the International
Tables of
Crystallography(ITC-
Vol. A).

Correlation
Between
Symmetry
Diaarams and

## week 10- assignment 10

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1) Which equation describes the Friedel's law? 2 points
$\mathbf{I}(\mathrm{hkI})=\mathbf{I}(-\mathrm{hkI})$
$\mathbf{I}(\mathrm{hkI})=\mathbf{I}(\mathrm{h}-\mathrm{kI})$
$\mathbf{I}(\mathrm{hkI})=\mathbf{I}(-\mathrm{h}-\mathrm{k}-\mathrm{l})$
$\mathbf{I}(\mathrm{hkI})=\mathbf{I}(-\mathrm{hk}-\mathrm{l})$

No, the answer is incorrect.
Score: 0
Accepted Answers:
$I(h k I)=I(-h-k-I)$
2) How many Laue classes are there in Tetragonal system?

2 points
No, the answer is incorrect.
Score: 0
Accepted Answers:
2
3) A cubic lattice having lattice constant $a=5$ Angstrom. What will be the "d" value for (120) 2 points plane?

NDTET National Programme on Technology Enhanced Learning


