**Progress** 

## Unit 7 - Week 6

How does an NPTEL online

Lecture 26: Introduction to

Lecture 27: Numerical Methods for Solving Governing Equation

 Lecture 28: Finite Volume Method for Convection and

Discretization Schemes

O Lecture 30: Assessment of

Discretization Schemes

Solution for Assignment 6

Quiz : Assignment 6

Week 7

Week 8

Feedback

**Download Videos** 

**Text Transcripts** 

Diffusion Problems

Lecture 29: Different

Heat Transfer Phenomena

Course outline

course work?

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

NPTEL » Modeling of tundish steelmaking process in continuous casting

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	Due on
Prandtl number is the ratio ofto	
Momentum diffusivity and Thermal diffusivity	
Thermal diffusivity and Kinematic viscosity	
Kinematic viscosity and Mass diffusivity	
O None of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers:  Momentum diffusivity and Thermal diffusivity	
2) The advantage of the Finite volume method is that the integral conservation is satisfied exac	tly over the
O Boundary node	
Computational node	
Control volume	
O None of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers: Control volume	
3) Discretization scheme should have	
O Conservativeness	
O Boundness	
Transportiveness	
All of the above	
No, the answer is incorrect. Score: 0	
Accepted Answers: All of the above	
4)means that the flux of φ leaving a control volume across a certain face m lume through the face.	nust be equal to the flux of φ ent
O Conservativeness	
Boundness	
Transportiveness	

