PTEL	reviewer4@i	nptel.iitm.ac.i
ourses » Introductio	on to Finite Volume Methods II	
Jnit 1 - Hov		FAQ
iccess the	portal	Z
Register for Certification exam	Assignment 0	2
	The due date for submitting this assignment has passed.	2
Course outline	As per our records you have not submitted this Due on 2019-02-04 , 2 assignment.	3:59 IST.
How to access the portal	1) Euler equation can be used to solve	1 poin
How to access the home page?	 Inviscid irrotational flow Inviscid flow 	
How to access the course	 potential flow All of the above 	
page? • How to access	No, the answer is incorrect. Score: 0	
the MCQ, MSQ and Programming	Accepted Answers: All of the above	
assignments? How to access	2) A Fluid flow is considered incompressible when	1 poin
the subjective assignments?	■ M<1 ■ M<0.5	
Quiz : Assignment 0	M<0.3	
Week 1 - Linear solvers	M<0.1	
Week 2 - Linear solvers + Convection term	Score: 0 Accepted Answers: M<0.3	
discretisation	3) Parabolic partial differential equations exhibit	1 poin
Week 3 - Convection term	1 characteristic line	
discretisation	2 characteristic line	

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schemes + Temporal discritisation	⁴⁾ The PDE $rac{\partial^2 u}{\partial t^2}+c^2rac{\partial^2 u}{\partial x^2}=0$ is an example of	1 point	
	Parabolic PDE		
week 6 - Temporal	Hyperbolic PDE		
discretisation +	Elliptic PDE		
Discretisation of the Source Term,	This is not a PDE		
Relaxation and Other Details	No, the answer is incorrect.	R	
Other Details	Score: 0	_	
week 7 - Fluid Flow	Accepted Answers:	144 A	
Computation:	Hyperbolic PDE	C.	
Incompressible Flows	5) Stagnation enthalpy is always	1 point	
	more than static enthalpy	R	
week 8 - Fluid Flow	more than or equal to static enthalpy		
Computation	less than static enthalpy	2	
and Some Advanced	less than or equal to static enthalpy		
Topics	No, the answer is incorrect.		
	Score: 0		
	Accepted Answers:		
	more than or equal to static enthalpy		
	6) Unsteady diffusion equation in 2 dimensions (2D) is	1 point	
	Parabolic in time and elliptic in space		
	Parabolic in time and space		
	Elliptic in time and space		
	Elliptic in time and parabolic in space		
	No, the answer is incorrect. Score: 0		
	Accepted Answers: Parabolic in time and elliptic in space		
	7) Which is not true in the framework of computational fluid dynamics (CFD)	1 point	
	Numerical solution to problem whose analytical solution is not available can be	found out	
	Numerical solutions are safe to obtain which may be unavailable at some points in the		
	domain of interest		
	Numerical solution to problems are obtained where conducting experiments is expensive	difficult and	
	Partial differential equations are converted in system of linear equations		
	No, the answer is incorrect. Score: 0		
	Accepted Answers: Numerical solutions are safe to obtain which may be unavailable at some points in the	domain of inter	
	8) The number of grid points in the stencil for discretized (second order central difference dimensional steady diffusion equation are	ce) one 1 point	
	3		
	5		
	6		

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0 7	
No, the answer is incorrect. Score: 0	
Accepted Answers: 3	
Previous Page	End
	<u>ل</u> ي