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In association with





Solution for	No, the answer is incorrect.	
Assignment 4	ce De Score: 0	
week 5 - High resolution schemes +	Accepted Answers: For stability, $rac{\partial(RHS)}{\partial\phi_c} < 0$ in uniform velocity	
Temporal discritisation	4) QUICK scheme is	1 point
week 6 - Temporal	 first order accurate second order accurate 	
discretisation + Discretisation of the Source Term, Relaxation and	 third order accurate fourth order accurate 	
Other Details	No, the answer is incorrect. Score: 0	<u></u>
week 7 - Fluid Flow Computation:	Accepted Answers: third order accurate	
Incompressible Flows	5) FROMM scheme is	1 point
week 8 - Fluid Flow	 first order accurate second order accurate 	
and Some Advanced	third order accurate	
Topics	No, the answer is incorrect.	
	Accepted Answers: second order accurate	
	6) At small Peclet number (Pe=1), accuracy of the higher order schemes is as follows	1 point
	Upwind < SOU < FROMM < QUICK	
	Upwind < FROMM < SOU < QUICK	
	Upwind > FROMM > SOU > QUICK	
	Score: 0	
	Accepted Answers: Upwind < SOU < FROMM < QUICK	
	7) At large Peclet number (Pe=10), stability of the higher order schemes is as follows	1 point
	Upwind > SOU > QUICK > CD	
	Upwind < QUICK < SOU < CD Upwind > QUICK > SOU > CD	
	No, the answer is incorrect.	
	Accepted Answers: Upwind > SOU > OUICK > CD	
	8) Reasons for instability of higher order schemes at high Peclet number could be	1 point
	Imposed boundary condition at the exit from the domain	
	Large gradients in the domain such as presence of shock wave	

Introduction to Finite Volume Methods II - - Unit...

Both of the above	
None of the above	
No, the answer is incorrect.	
Accepted Answers: Both of the above	
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