	Assignment 8	
	1) MgZn ₂ precipitate is found in which of the following Aluminium alloy? Al 2024 Al 6061 Al 7075 None of these	1 point
	Accepted Answers: Al 7075 2) $ \boldsymbol{\beta} \rightarrow \boldsymbol{\alpha}$	1 point
	This type of transformation is known as transformation. precipitation massive polymorphic ordering	
	Accepted Answers: massive 3) Kinetics of precipitate formation depends on Cu % ageing temperature both a and b none	1 point
onlinecourses.nptel.ac.ii	Accepted Answers: both a and b 4) The first step of heat treatment for precipitation hardenable alloys is quenching n/noc17_me20/unit?unit=79&assessment=85	1 point

solutionizingageing	
Accepted Answers: solutionizing 5) Quenched-in vacancies helps in diffusion of solute atoms cross slip of dislocations formation of vacancy loops all of them none of them	1 point
Accepted Answers: all of them 6) Shape of Ag ₂ Al precipitate is plate like spherical cuboidal irregular	1 point
Accepted Answers: plate like 7) Ageing treatment for Al-Cu is done at 130-190 degree Celsius 250-270 degree Celsius 90-120 degree Celsius 60-80 degree Celsius	1 point
Accepted Answers: 130-190 degree Celsius 8) To form GP zones, Cu atoms segregate on plane in Al-Cu system. (001) (011) (111) (220)	1 point
Accepted Answers: (001) 9) The final equilibrium product during precipitation hardening in Al-Cu system has what kind of interface with the matrix? all sides coherent incoherent coherent or semicoherent	1 point
Accepted Answers: incoherent	

10(FeMo + Ni3Ti) precipitate is found in	1 point
Nimonic 105	
Cu-Be	
Maraging steel	
O Cu-Co	
Accepted Answers:	
Maraging steel	