Innovative Ship Design

- Midterm Exam -

April 7th, 2012

Part I. Determination of Principle Dimensions, 13:00-13:50 (50 minutes)
Part II. Propeller and Main Engine Selection, 13:50-14:40 (50 minutes)
Part III. Freeboard Calculation, 14:40-15:30 (50 minutes)
Part IV. Mixed Problems, 15:30-16:00 (30 minutes)

Name	
SNU ID #	

Hurry!!!

Problem Number					Total
		1.1	1.2	2	
Grader	Max	10	10	10	30
	Score				

1. Explain the meaning of the following abbreviations:

Principle Dimensions $L_{BP}:$ $B_{mld}:$ $D_{mld}:$ $T_{design}:$ $T_{scantling}:$ $C_{B}:$ $C_{M}:$ $C_{Wp}:$ $C_{P}:$ $DWT_{scantling}:$ $DWT_{design}:$ LWT:

1.1.

1.2. Principle Particulars

 R_t : V_s : S.M.:

Fn:

\sim		
C	R	

EHP:

DHP:

BHP:

RPM:

NCR:

MCR:

NMCR:

Ballast water:

Gross Tonnage:

- 2. Answer the following questions.
- Explain what are GZ and GM in geometric aspect.
- Explain what do GZ and GM represent.
- Explain how to determine the position of M.

