# Steam Ship Certificate of Competency Course At Singapore Maritime Academy (SMA)

## 1. Summative Assessment

Type of Assessment	Sections	Type of Question	Topic Distribution	No. of Questions	Marks	Marks Distribution	
	A	1.Multiple	Topic A - Boiler	2	4		
		Choice	Topic B - Comb	2	4		
þ	Section A	2.Multiple	Topic C - Cond	2	4		
ase	eti	Answer	Topic D - Turbine	2	4		
ben	Š	3.Matching	Topic E - LNG	2	4	96	
er-			Topic F - Oper	2	4	II	
mputer-bas Assessment		4.Numeric	Topic A - Boiler	1	2	Total = 36	
ıdı	8	Response	Topic B - Comb	1	2		
Computer-based Assessment	Section B	5.Completion	Topic C - Cond	1	2		
$C^{C}$			Topic D - Turbine	1	2		
	S	6.True/False	Topic E - LNG	1	2		
			Topic F - Oper	1	2		
	Section C	7.Short	Topic B - Comb	1	8		
t		Answer	Topic C - Cond	1	8	II	
al			Topic E - LNG	1	8	Total = 32	
JUE Sm			Topic F - Oper	1	8	T 32	
Manua	D	8.Long	Topic A - Boiler	1	16		
Manual Assessment	Section D	Answer	Topic D - Turbine	1	16	Total = 32	
					Total =	100	
	Topic A – Boiler,						
Topic B							
Topic C – Condensate & Feed,							
Topic D – Steam Turbine							
		NG System					
Topic F							

#### 2. Means of Assessment

<b>Assessment Components</b>	Type of Assessment	When Conducted	Weightage %	
1. Coursework A	Computer-based	Continuous	15	
	online assessment	(in-Course)		
2. Coursework B	12 Assignments – 2	Continuous	15	
	each for 6 main areas	(in-Course)		
	of coverage.			
	(Individual Portfolio)			
3. Summative	Computer-based	End of Course	55	
Assessment	online assessment			
4. Shipboard	6 Assignments – 1	During steam ship	15	
Assignments	each for 6 main areas	attachment		
	of coverage.	(preferably LNG		
	(Appending Individual	carrier).		
	Portfolio)			

#### Note: Assessments will cover

- The knowledge components [Subsections A, B, C, D and E in Section 12] using knowledge-based tools and computer-based drill & practice.
- The competency-based components [Subsections F in Section 12] using Steam Simulator.

### 3. Table of Specifications

		Abilities (%)			T-4-1
Topics – Six Main Areas of Coverage			С	A/HA	Total (%)
	A. Steam Boilers	4	4	12	20
	<b>B.</b> Combustion Theory & Practice	2.5	2.5	2	7
Knowledge of	C. Main Condensate & Feed Water System	2	2	6	10
	D. Steam Turbines	4	4	12	20
	E. LNG System	2.5	2.5	2	7
Proficiency in	F. Plant Operation	6	6	24	36
	Total	23	23	54	100

#### Note:

1. The letters K, C, A/HA in the table of specifications denote respectively, the Knowledge, Comprehension, and Application/Higher than Application levels of Bloom's Taxonomy in the cognitive domain.