

**MERCHANT MARINE ACADEMY OF MACEDONIA
SCHOOL OF ENGINEERS**

STUDENT'S FULL NAME:

STUDENT NUMBER:

Academic year: 2013-2014

Exam period: September

Date: 15/9/2014

Semester: A

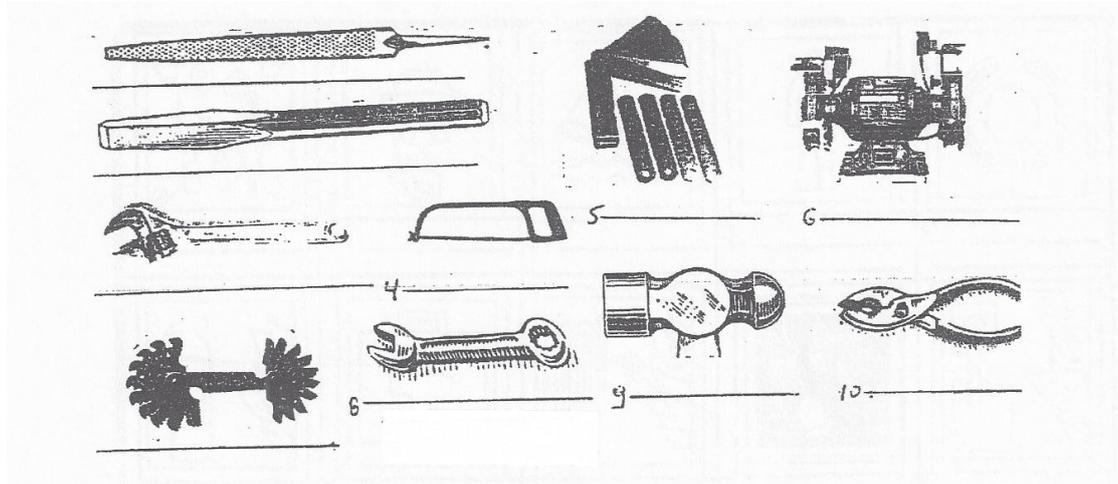
Instructor's name: Dr M. Tsompanoglou

FINAL TEST in English

1. Match the parts of the diesel engine to their functions. (10 points)

1. crankshaft	a. opens the valves
2. camshaft	b. reduces friction
3. piston	c. compresses the air
4. cylinder liner	d. supports the whole engine
5. piston rod	e. reciprocates in the stuffing box
6. connecting rod	f. rotates and gives motion to the propeller
7. bedplate	g. gives rotating motion to the crankshaft
8. crosshead	h. connects the piston rod to the connecting rod
9. piston pin	i. connects the piston to the connecting rod
10. crank pin	j. connects the connecting rod to the crankshaft

2. Identify the following tools. (15 points)



3. Name the following parts of a vessel. (15 points)

The space where the cargo is held: c..... h.....

The opening on the deck of a vessel that provides access to the cargo hold:
h.....

The whole body of the ship: h.....

A tool for changing the direction, or the heading of the ship: r.....

All navigational activities take part in it: b.....

It lifts the cargo: c.....

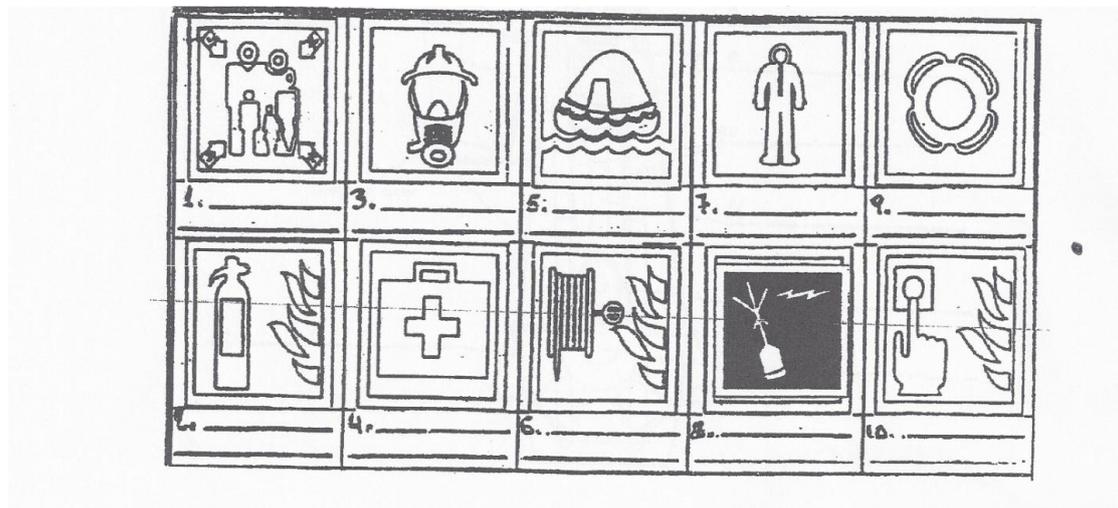
The front part of a vessel: b.....

The rear of a vessel: s.....

The raised "house" containing the bridge and the accommodation: s.....

A wall that separates one part of the ship from another: b.....

4. Name the following life saving equipment. (15 points)



5. Match the following words. (10 points)

1.Connecting	a.Cover
2.Cylinder	b.Rod
3.Exhaust	c.Web
4.Crank	d.Box
5.Hatch	e.Pin
6.Main	f.Valve
7.Poop	g.Liner
8.Inlet	h.Valve
9.Stuffing	i.Deck
10.Crank	j.Deck

6. Complete the sentences with a suitable preposition: *with, for, aft, below, of, on, in.* (10 points)

Are you familiar the LSA?

When you enter the lifeboat, you must be equipped your lifejacket.
 The bosun is responsible the deck ratings.
 The superstructure is the main deck of a vessel.
 The chief engineer's office is the port side of the ship.
 Bulk carriers transport their cargo bulk.
 the forecandle, inside the bulbous bow, there is a forepeak tank.
 The engine room is the superstructure of the ship.
 Feeler gauges consist a number of thin blades.

7. Match the words to their definitions. (10 points)

1. Collision	a. Device
2. Combustion	b. Dining room
3. Bunkering	c. Kitchen
4. Draught	d. To unload
5. Galley	e. To get onboard
6. Apparatus	f. Crash
7. To embark	g. Burning
8. To discharge	h. Depth of the ship below the waterline
9. Maintenance	i. Supplying with fuel
10. Messroom	j. Keeping up in good condition

8. Name the parts 1-10 in the following diagram of a 2-stroke diesel engine. (15 points)

