

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

STUDENT'S FULL NAME:

STUDENT NUMBER:

Academic year: 2017-2018

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Semester: A

Instructor's name: Dr M. Tsompanoglou

FINAL TEST in English (Retakes)

1. Match the following words. (10 p.)

Crank	Cover
Cylinder	Rod
Exhaust	Web
Crank	Box
Hatch	Pin
Main	Valve
Poop	Liner
Inlet	Valve
Stuffing	Deck
Connecting	Deck

2. Find the missing words. Choose from the following: *sign, length, galley, camshaft, messroom, capacity, cylinder, container, seaman, knots.* (10 points)

You can't go on a training trip, unless you have a 's book.

The vessel's call is AEHQ2.

On a vessel the place where people eat is called:

On a vessel the place where the cook cooks is called:

..... ships carry their cargo in special "boxes".

The Capricorn makes a speed of 14 Her grain is 328500 cubic feet. Her overall is 118 metres.

The liner protects the cylinder by reducing friction.

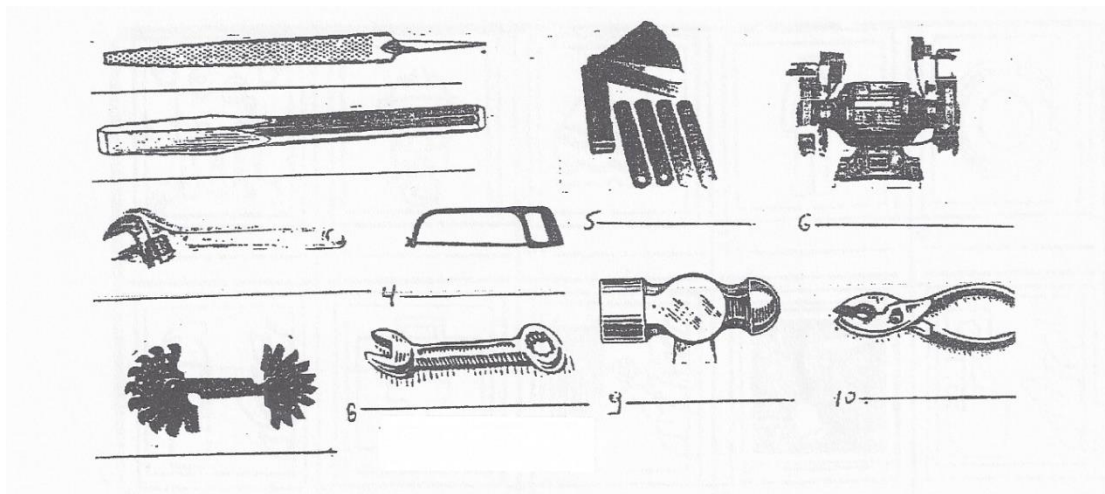
The carries the cams which operate the fuel pumps and exhaust valves.

3. Find which of these engine parts do the following: (15 p.)

exhaust valve, piston, piston rod, push rod, bedplate, guides, connecting rod, crosshead, crank pin, gudgeon pin, cylinder head, cylinder liner (2 more are given)

- It connects the piston rod to the connecting rod:
- It connects the crankshaft to the connecting rod:
- It reciprocates in the cylinder:
- It reciprocates in the stuffing box:
- It protects the cylinder reducing friction:
- The gases go out through this valve:
- The camshaft opens the valves with the help of this rod:
- It connects the piston to the connecting rod:
- All the valves are fitted in it:
- It supports the whole engine:

4. Identify the following tools. (15 points)



5. Identify the following parts of a vessel using the words below. (10 points)

bow, navigation bridge, cargo hold, hull, crane, rudder, stern, superstructure, bulkhead, hatch

- The space where the cargo is held:
- The opening on the deck of a vessel that provides access to the cargo hold:.....
- The whole body of the ship:
- A tool for changing the direction, or the heading of the ship:
- All navigational activities take part in it:
- It lifts the cargo:
- The front part of a vessel:

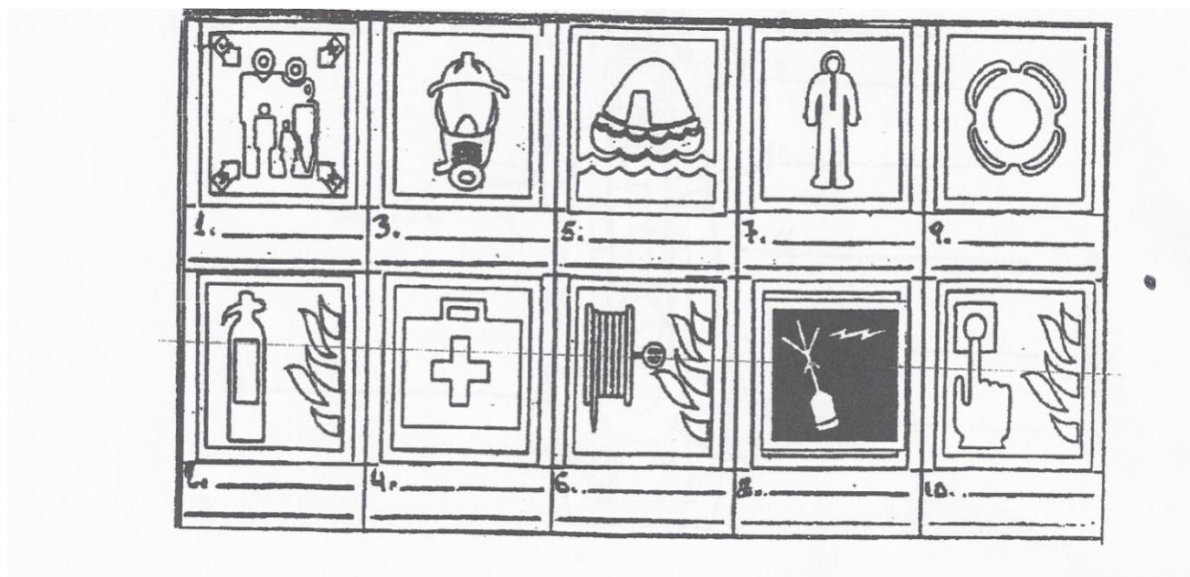
The rear of a vessel:
 The raised "house" containing the bridge and the accommodation:
 A wall that separates one part of the ship from another:

6. Find the kinds of vessels that do the following. (15 p.)

Lightship, Tug, General cargo ship, Bulk carrier, Cable layer, Pilot tender, LPG, Reefer, Container, Ro-Ro, SAR vessel, Clean-product tanker, Crude carrier, Icebreaker, Paxcar ferry

Carries refrigerated cargo:
 Carries liquified petroleum gas:
 Assists with the pilotage of another vessel:
 Carries loose cargo such as grain, iron, ore etc.:
 Carries vehicles:
 Tows other vessels:
 Any type of packaged cargo or pieces of machinery:
 Carries crude oil:
 Carries refined petroleum products:
 Lays cables on the bottom of the sea:
 Crushes a way through ice:
 Searches and rescues ships in distress:
 It carries passengers and cars:
 Serves as a beacon for navigation:
 Carries any type of cargo in "boxes":

7. Name the following life saving equipment. (10 points)



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

