

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

STUDENT'S FULL NAME:
STUDENT NUMBER:
Academic year: 2016-2017
Exam period: June
Date: 21/6/2017
Semester: A
Instructor's name: M. Tsompanoglou

FINAL TEST in English

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. Match the following words to their explanation (10 p.)

- | | |
|-----------------|---------------------------------|
| 1. galley | a. dining room |
| 2. combustion | b. device |
| 3. bunkering | c. burning |
| 4. maintenance | d. crash |
| 5. messroom | e. kitchen |
| 6. apparatus | f. supplying with fuel |
| 7. TEU | g. to get onboard |
| 8. collision | h. to unload |
| 9. to discharge | i. keeping up in good condition |
| 10. to embark | j. twenty feet equivalent unit |

3. Complete the sentences with a suitable preposition: *below, of, on, with, for, in.* (10 p.)

..... the forecastle, inside the bulbous bow, there is a forepeak tank.
 The engine room is the superstructure aft of the ship.
 Feeler gauges consist a number of thin blades.
 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 the ship.

Bulk carriers transport their cargo bulk.

4. Match the following parts of a diesel engine with their functions. (10 p.)

crankshaft	opens the valves:
camshaft	reduces friction:
piston	compresses the air:
cylinder liner	supports the whole engine:
piston rod	reciprocates in the stuffing box:
connecting rod	rotates and gives motion to the propeller:
bedplate	gives rotating motion to the crankshaft:
crosshead	connects the piston rod to the connecting rod:
piston pin	connects the piston to the connecting rod:
crank pin	connects the connecting rod to the crankshaft:

5. Underline the correct choice. (10 p.)

In order to cut internal threads we use (**cutters, taps, snips**).

In the 2-stroke diesel engine one cycle of operation is completed in (**one, two**) revolutions of the crankshaft.

The camshaft is connected to the rocker arm with the (**push rod, piston rod, connecting rod**).

We use a (**screwdriver, spanner, hammer**) to tighten or loosen a nut.

A pair of (**pliers, calipers, dividers**) is used to measure thicknesses.

We smoothen and shape a surface with a (**scraper, reamer, file**).

Diesel engines are (**spark-ignited, compression-ignited**) engines.

For hexagonal screws we use a(n) (**Allen key, open-ended spanner, ratchet wrench**).

With a (**screw-pitch gauge, feeler, reamer**) we measure very small distances.

In order to hold an object firmly in its place while work is done, we use a (**grinder, fitter's vice, lathe**).

6. 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:

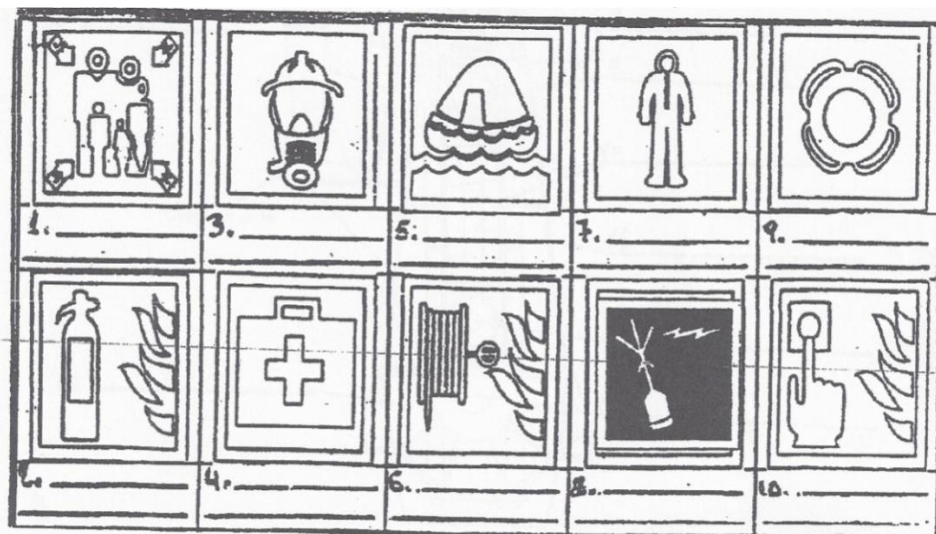
- All navigational activities take part in it:
- It lifts the cargo:
- The front part of a vessel:
- The rear of a vessel:
- The raised "house" containing the bridge and the accommodation:
- A wall that separates one part of the ship from another:

7. 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":

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



9. Name the parts in the following diagram of a 2-stroke diesel engine. (15 point

