

## Final examination in English. SEMESTER A' (retakes)

### A. Fill in the gaps with an appropriate word from the list below. (10p)

1. The cargo space of a ship is divided into \_\_\_\_\_ by vertical walls which are called \_\_\_\_\_.
2. The fore end of the ship is the \_\_\_\_\_ - and the after end is the \_\_\_\_\_.
3. The foreward small upper deck where the windlass is, is the \_\_\_\_\_ and a similar one, aft, is the \_\_\_\_\_.
4. The accommodation and the bridge are in the \_\_\_\_\_ where there are also the \_\_\_\_\_ and the \_\_\_\_\_.
5. The cargo is loaded into the holds, through \_\_\_\_\_ by \_\_\_\_\_.

Forecastle, superstructure, holds, galley, the mess, bow, bulkheads, stern, hatches, poop deck, cranes.

### B. Match the duties to the crew members who perform them (10p)

- |                             |   |
|-----------------------------|---|
| 1. Fitter                   | a. a trained seaman                                       |
| 2. Bosun                    | b. representative of the company and the head of the ship |
| 3. 2 <sup>nd</sup> engineer | c. keeps engine room and machinery clean                  |

- |                             |   |
|-----------------------------|---|
| 4. 3 <sup>rd</sup> engineer | d. responsible for the engine room and all machinery. |
| 5. AB                       | e. supervises all deck ratings                        |
| 6. Pumpman                  | f. the head of the deck operations and crew.          |
| 7. Wiper                    | g. carries out engine repair works                    |
| 8. Chief engineer           | h. does pipe work e.g. welding                        |
| 9. Master                   | i. daily check round of machinery                     |
| 10. Chief mate              | j. operates pumps on a tanker                         |

**C. a) Write the ships which carry the following types of cargo(10points).**

1. Dry loose cargo e.g. grain, coal, ore =
2. Crude oil =
3. Boxes of standard dimensions (TEU)=
4. Various types of vehicles, cars=
5. Any type of cargo, packed, loose or in pieces=

**b) What is the function of the following ships?**

1. LASH vessel=
2. LNG=
3. Tugboat=
4. Dredger=
5. OBO=

**D. a) Write the parts of a D.E. which perform the following:(20points)**

1. It rotates and transmits the motion to the propeller:
2. It reciprocates and compresses the air=
3. It connects the piston with the connecting rod=
4. An iron sleeve which protects the cylinder=
5. It houses the valves=
6. It connects the connecting rod to the crankshaft=
7. The crosshead slides on them=
8. Openings through which pressurized air comes into the cylinder of a 2-stroke diesel engine=

**b) What is the function of the following parts of a D.E.?**

1. Water jacket=
2. Camshaft=
3. Crosshead=
4. Stuffing box=
5. Main bearings=
6. Piston rings=
7. Fuel injector=

**E. Underline the correct choice: (10p)**

1. We use a (screwdriver, spanner, hammer) to tighten or loosen nuts.
2. With a (screw-pitch gauge, feeler, reamer) we measure very small distances e.g. piston rings clearances.

3. A pair of (pliers, calipers, dividers) is used to measure thicknesses.
4. In order to hold an object firmly in place while work is done, we use a (grinder, fitter's vice, lathe).
5. We smooth and shape a surface with a (scraper, reamer, file).
6. For hexagonal screws we use a(n) (Allen key, open-ended spanner, ratchet wrench).
7. In order to cut internal threads we use (cutters, taps, snips)
8. Diesel engines are a) spark-ignited engines  
b) compression ignited
9. In the 2-stroke diesel engine one cycle of operation is completed in (one, two) revolution(s) of the crankshaft.
10. The camshaft is connected to the rocker arm with the (pushrod, piston rod, connecting rod).

**F. Match the words to their explanation (10p)**

- |                |   |
|----------------|---|
| 1. TEU         | a. all the ships of a nation or company               |
| 2. Ignite      | b. disconnection, checking and repairing engine parts |
| 3. Fleet       | c. Depth below the water line                         |
| 4. Maintenance | d. rules  |
| 5. Overhauling | e. Twenty foot equivalent unit                        |
| 6. Regulations | f. Crash  |
| 7. Starboard   | g. Keeping in good condition                          |
| 8. Collision   | h. Fire   |
| 9. Draught     | i. Right  |
| 10. Bunkering  | j. Refueling  |

**What do the following acronyms stand for? (5p)**

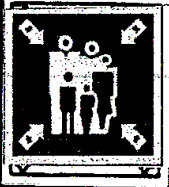

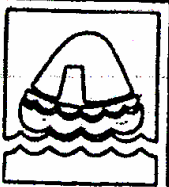
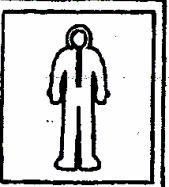





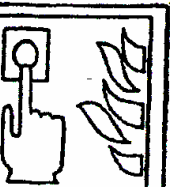
1. STCW
2. ETA
3. SOLAS
4. LSA
5. GMDSS

**THE FOLLOWING IS A DAILY SCHEDULE OF THE 2<sup>nd</sup> ENGINEER. ASK QUESTIONS WITH WHAT AND WHERE ABOUT HIS DAILY ROUTINE AND GIVE ANSWERS TO 6 QUESTIONS AND 6 ANSWERS. (15p).**

	<u>TIME</u>	<u>ACTIVITY</u>	<u>PLACE</u>
<b>1</b>	<b>08:00</b>	<b>GO</b>	<b>ENGINE ROOM</b>
<hr/> <hr/> <hr/>			
<b>2</b>	<b>10:00</b>	<b>WRITE DOWN TEMPERATURES</b>	<b>ENGINE ROOM</b>
<hr/> <hr/> <hr/>			
<b>3</b>	<b>11:00</b>	<b>FIX PROBLEM OF THE FUEL PUMP</b>	<b>ENGINE ROOM</b>
<hr/> <hr/> <hr/>			

4	12:30	LUNCH	MESSROOM
<hr/> <hr/> <hr/>			
5	14:00	SLEEP	CABIN
<hr/> <hr/> <hr/>			
6	20:00	WATCH THE NEWS	LOUNG
<hr/> <hr/> <hr/>			

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

				
1. _____	3. _____	5. _____	7. _____	9. _____
				
2. _____	4. _____	6. _____	8. _____	10. _____