

Merchant Marine Academy of Macedonia
School of Engineers
Maritime English Semester C
Final Exam – September Exam Period

Name:
 Date:

Class:
 Reg. No:

A. Match the auxiliary machinery with their function

1. windlass	a. operates the rudder for manoeuvring
2. condenser	b. burns garbage
3. generator	c. supplies air to start up the engine
4. crane	d. produces distilled water
5. fire extinguisher	e. supplies electrical power and lightning
6. steering gear	f. separates oil from water and other substances
7. purifier	g. handles the anchor
8. compressor	h. puts out a fire
9. evaporator	i. converts steam into water
10. incinerator	j. handles the cargo

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.
 [...../10]

B. Choose

- Diesel engines are
 a. electric motors b. external combustion engines c. internal combustion engines
- The piston inside the cylinder
 a. reciprocates b. rotates c. revolves
- The cylinder block, the frame of the engine and the bedplate are all connected with
 a. frame rods b. tie rods c. piston rods
- The operates the valves.
 a. crankshaft b. camshaft c. crank pin
- The valve seats are housed on the
 a. cylinder head b. cylinder liner c. cylinder block
- The consists of a number of small tubes which heat the wet steam.
 a. furnace b. superheater c. oil burners
- The is the space where the air and fuel oil mix and burn.
 a. furnace b. superheater c. water drum
- The attemperator the temperature of steam.
 a. decreases b. raises c. increases
- The boiler is used for generating steam for the main engines.
 a. fire tube b. Scotch c. water tube
- The controls the passage of the steam to the engines.
 a. water level indicator b. feed check valve c. main stop valve

[...../10]

C. Fill in the gaps

increase	chamber	suction	displacement	rotary
centrifugal	impeller	discharge	displacement	liquids

Pumps

A pump is a device which is used to raise from a low point to a high point. A pumping system aboard ships consists of a branch, a pump and a discharge branch. There are two main groups of pumps in marine use: pumps and centrifugal pumps.

In the former type, the or decrease of the volume of the pump causes the suction or of the liquid. In the latter, there is a(n) rotating at high speed inside the pump casing.

The pumps are subdivided into: reciprocating pumps and pumps. On the other hand, the most common type of pumps is the volute.

[...../10]

D. Insert a possible emergency situation that the following statements indicate (fire, collision, listing, man overboard, piracy, sinking, grounding, adrift)

Maintain visual contact	
Require tug boat	
Jettison cargo	
Abandon vessel	
I am drifting to SW	
I am under attack	
I have collided with iceberg	
Release CO2	

[...../8]

E. Insert an appropriate verb to the emergency situations (smoke, maintain, raise, inform, throw, follow)

1. You must the nearest lifebuoy.
2. You mustn't in the galley.
3. You must the instructions carefully.
4. You must visual contact with the casualty.
5. You must the alarm.
6. You must the bridge.

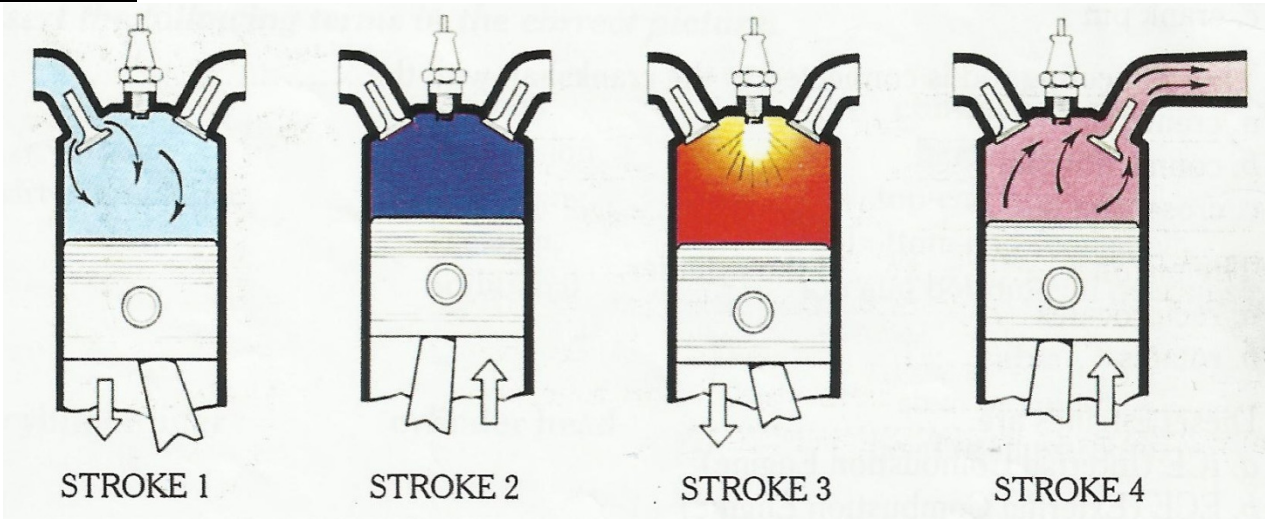
[...../6]

F. Insert the ship dimensions and shapes

1. The (long) of the ship is 280m and its (broad) is 44m.
2. The(deep) of the ship is the distance from base line to uppermost deck.
2. A fire extinguisher is (cylinder) in shape.
3. The size of this tank is 10 (cube) meters.
4. My toolbox is (rectangle) in shape.

[...../6]

G. Insert the names of the 4 strokes in a 4-stroke petrol engine and describe the 4th stroke



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[...../10]

H. Fill in the gaps with the comparative or the superlative

1. Travelling by boat is (cheap) than travelling by plane.
2. The 3rd mate is the (funny) man on the ship.
3. The Allure of the Seas is the..... (large) passenger ship in the world.
4. Football is the (popular) sport in the USA.
5. The cook is (fat) than the mess-boy.
6. Documentaries are (interesting) than TV series.
7. I am (thin) than the deck cadet but he is(tall).
8. The 3rd engineer is my (good) friend onboard.
9. It's been the (bad) mistake I have ever made!

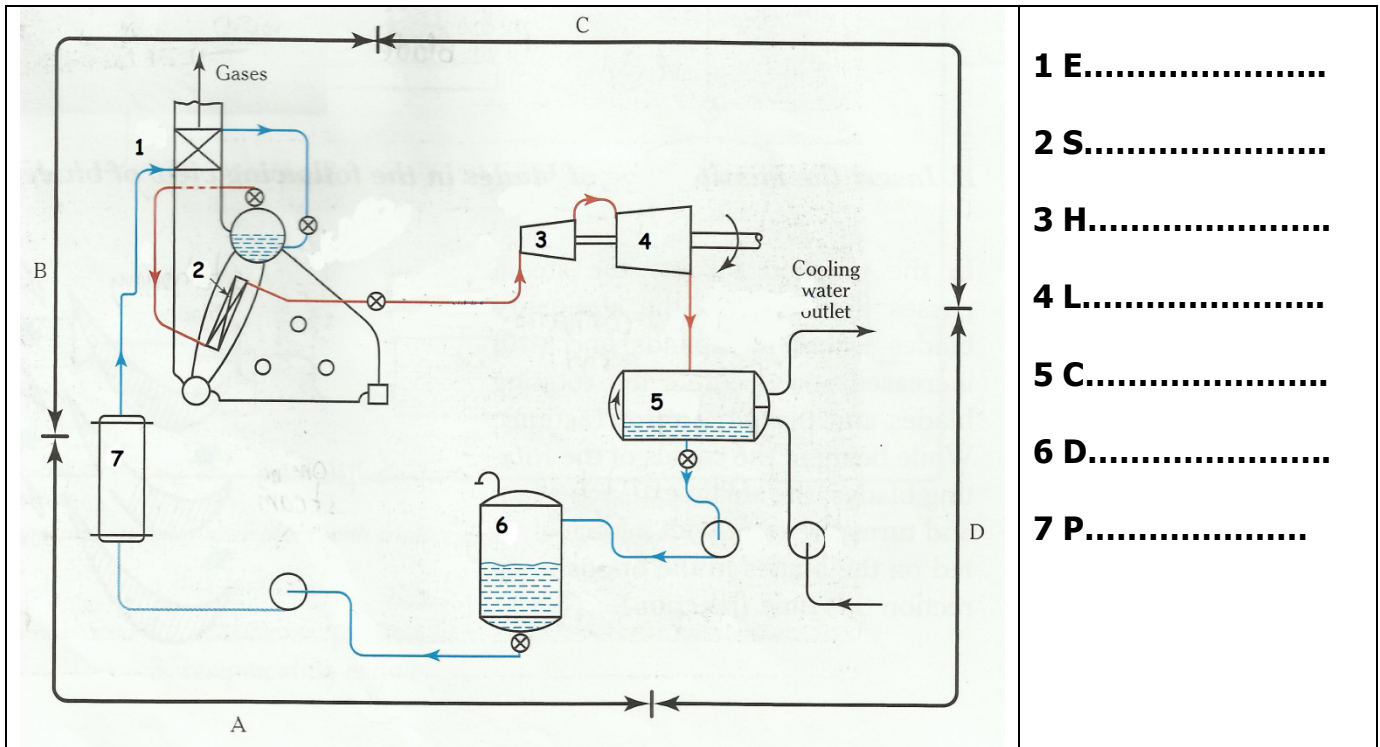
[...../10]

I. Fill in the gaps with the verbs in the past simple

1. The crew (work) very hard yesterday.
2. I (study) very hard last night for the exams.
3. The vessel (stop) at the port of call for bunkering.
4. - you (go) out last night.
-No, I I (stay) at home.
5. The technician (not / repair) the satellite phone.
6. The cook (make) a cake and we all (eat) well two days ago.
7. The ship (remain) at the port of Shanghai for one week.

[...../10]

J. Name the following parts of a steam power plant of a reaction turbine and describe its cycle of operation



- 1 E.....
- 2 S.....
- 3 H.....
- 4 L.....
- 5 C.....
- 6 D.....
- 7 P.....

[...../12]

**K. Fill in the gaps with the correct preposition:
[on (X2), in (x2), up, down, over, off, of]**

1. I am danger capsizing.
2. The vessel is fire.
3. The engine is critical condition.
4. Let's go to bed. Turn the TV and the lights before we leave.
5. Turn the pressure! It's increasing uncontrollably.
6. Pick me at the airport at 23.00 tonight.
7. Do not forget to switch the ventilators to keep the cargo spaces cool.
8. The situation was serious so the captain took control.

[...../8]

Good Luck!