

MERCHANT MARINE ACADEMY OF MACEDONIA

SCHOOL OF ENGINEERS

STUDENT'S FULL NAME: _____

A.Γ.M.: _____

Academic year: 2012-2013

Exam period: June

Semester: B

**Instructor's name: Dr E. Botonaki – A. Birbili –
A. Papadopoulou – D. Tsakiri**

FINAL TEST IN ENGLISH

1. Fill in the gaps with the appropriate word from the list. There are some extra words. (20 p.)

A.

*furnace place operation feedwater tube energy
boiler chamber combustion mountings space air*

A boiler is used to heat _____ in order to produce steam. The _____ released by the burning fuel in the boiler _____ is stored as temperature and pressure in the steam produced. All boilers have a furnace or combustion _____ where fuel is burnt to release its energy. _____ is supplied to the boiler furnace to enable _____ of the fuel to take _____. There must be a number of fittings or _____ which ensure the safe _____ of the boiler. Two basically different types of _____ exist, namely the watertube and the firetube.

B.

two points connecting rod operates injecting stroke

internal piston external revolution air sequence

The diesel engine is a type of _____ combustion engine which ignites the fuel by _____ it into hot, high-pressure _____ in a cylinder. It _____ with a fixed _____ of events, which may be done either in four strokes or _____, a stroke being the travel of the _____ between its extreme _____. Each _____ is accomplished in half a _____ of the crankshaft.

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

_____ are used to reduce friction between two metals.

cams

blades

bearings

_____ tonnage is the carrying capacity of a vessel in tons.

- net-weight
- underdeck
- dead-weight

The CO2 indicator measures the percentage of the _____ gases that go up the funnel.

- condensation
- combustion
- steam

The unit of electrical resistance is the _____.

- Volt
- Ohm
- Ampere

The ___ is used to heat the wet steam before it enters the main steam pipe.

- turbocharger
- economiser
- superheater

Steam is ____.

- invincible
- invisible
- invariable

A material which offers low resistance to an electric current is a(n) ____.

- breaker
- insulator
- conductor

The lubricating grease is a mixture of petroleum oil and ____.

- soap
- paraffin
- water

We use a _____ to permit the flow of the fluid in one direction only.

- reducing valve
- check valve
- regulating

The piston ___ inside the cylinder.

- reciprocates
- rotates
- oscillates

On a cargo vessel you _____ (usually/store) cargo in the holds or on the deck.
 The crane _____ (load) the containers on board now.
 It is important to secure or lash the cargo so that it _____ (not/shift) during a voyage.

7. Complete the gaps with *some* or *any* (8 p.)

We haven't got _____ fuel in the tanks.
 The steward brings _____ milk and sugar in the officers' lounge.
 Are there _____ extra chips?
 There aren't _____ screwdrivers on the workbench.
 On _____ very large MVs there can be as many as seven engineers.
 Would you like . _____ cheesecake?
 Is there . _____ coffee left?
 Can I have _____ chocolate cake?

8. Complete the dialogue. There are three (3) extra words (10p.)

side bill welcome dessert recipe all main course
appetizer order like dressing menu mustard

- May I take your _____?
 - Yes, please.
 - Do you want a(n) _____?
 - No, just a chef's salad with mayonnaise _____.
 - What would you have as a(n) _____
 -I would _____ a steak.
 - Anything on the _____?
 - Sure, bring me some chips and some _____, please.
 - Would you like a(n) _____?
 -Certainly, I wish to try the chocolate cake.
 -Is that _____?
 -Yes, thank you very much.
 - You are _____!

9. Fill in the table with words from the list. (7 p.)

honey milk flour soup icecream crisps jam apple juice
sugar salad orange juice mustard

A bowl of	
A jar of	
A bag of	
A carton of	

10. Answer any three (3) of the following questions. (15 p.)

1. What is the use of check valves?
2. What does a steam turbine consist of?
3. a) What is the principle of operation of a diesel engine?
b) Write the names of the strokes of a 4-stroke diesel engine.
4. Name the main parts of a motor.
5. How many basic types of boilers are there?
6. What are the similarities between an electric motor and an electric generator?

GOOD LUCK!!!