MERCHANT MARINE ACAD	DEMY OF MACEDONIA
SCHOOL OF ENGINEERS	
STUDENT'S FULL NAME: _	
А.Г.М.:	
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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. (10 p.)

Α.

furnace boiler	place chamber	operation combustion	feedwater mountings	tube space	energy 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.						

2. <u>Underline the correct choice.</u> (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

reducing valve check valve regulating

oscillates

The piston ____inside the cylinder. reciprocates rotates

3. <u>Match the words to their synonym or explanation. Write the pairs in the lines below.</u> <u>There is an extra word.</u> (10 p.)

crosshead	Empty
gauge	set free
collision	the main component of a diesel engine which transmits power to the flywheel
water jacket	meter, indicator
release	Coil
gudgeon pin	connects the piston rod to the connecting rod of a reciprocating engine
bedplate	when two ships crash
loop of wire	maintains the desired temperature of the cylinder
hollow	shows the presence of sea water in the fresh water system
salinometer	a structure which holds the crankcase and supports the cylinder block
crankshaft	

4. <u>Match the words in column A to appropriate ones in column B to form compound</u> <u>nouns.</u> (10 p.)

Α	В	
throttle	bearing	
scavenge	valve	
push	head	
cross	tight	
cylinder	shaft	
flow	ports	
air	meter	
cam	rod	
crank	liner	
ball	case	

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

1. The 3rd Mate *demonstrates / is demonstrating* the use of fire extinguishers at the moment.

- 2. The Chief Engineer always *is spending / spends* his summers on los.
- 3. The vessel *has left / left* the dry dock two days ago.

4. They are sailing / were sailing the Corinth Canal now.

5. Have you ever worked / Do you ever work on a tanker?

6. They were sailing / are sailing to Calcutta when the pirates attack / attacked them.

7. He has been / was Captain on the "Andromeda" since 2002.

8. When the fire alarm *has rung / rang* the Chief Engineer *was checking / checks* the suction pump.

6. Fill in the gaps with the correct word from the list below. (10 points)

flow	conder	sation	conductor	cams	electricity	circular	temperature	stem	wet	irregular
				dry, becom	es less than	, satu that corre	rated and sup esponding to it	erheate is press	ed. sure,	
		lan	es place.							
b) An mate	electric rials con	current duct	is a	_ but s	of electro ome of them	ns throug n offer mo	h a wire or oth ore resistance	er than oth	ners.	All
c) If v	ve want t	to chang	gesha	ne and	motion into	straight n	notion we use u	n and c	lown	The
oann			0114			uivo		panac		
7.	<u>Comp</u>	lete the	e dialogue.	There a	are three (3) extra wo	<u>ords</u> (10p.)			
side appe	tizer	bill order	welcome like	des	sert dressing	recipe g	all m menu	ain cou n	rse nustar	ď
				?						
 Yes, please. Do you want a(n)? No, just a chef's salad with mayonnaise 										
- No, just a chef's salad with mayonnaise										
- What would you have as a(n)										
-I woi	uld			a steak						
- Any	thing on	the	······		?					
- Sure	- 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 _____ !

8. Fill in the table with words from the list. (10 p.)

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

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

9. Answer any three (3) of the following questions. (20 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?