School of E English Lan Academic Y	ingineers nguage Year: 2011-201 B' (Retakes)	ny of Macedon	ia September 20	012
NAME: A.Γ.M.: DATE:				
		FINAL	EXAM	
1. Fill	in the gaps wit	h the appropri	ate word from	the list. (30 p.)
A. two poin	ts oper	ates inject	ing stroke	
internal	piston	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.				
B. furnace	place	operation	feedwater	energy
boiler	chamber	combustion	mountings	air
released by and pressure whe boiler furnation. There must	the burning fue e in the steam pere fuel is burnt ce to enable be a number of	I in the boilerroduced. All bo to release its en	ilers have a furn ergy. of the fuel to	team. The is stored as temperature ace or combustion is supplied to the take which ensure the safe of exist,
		he firetube.		Onioi,

C. film	cranksi	haft s	supplied	numns	friction		
crosshe	ead c	rooler	sumptar	ık ce	onnecting	bearing	
the mov It is dra passes t lubricat lubricat	ving part twn from through f tes the m tes the bo	s. The lu the tank fine filter ain ottom en	be oil is sto through a seas and goes Then bearing and	red in the strainer by into a and finally	pressure	s moving parts of the g an oil below the e Then iFirst, the lube oil age in the bearing.	engine t
2.	<u>Underli</u>	ne the c	orrect choic	<u>ce.</u> (15	<b>p.</b> )		
Volt	it of elec	etrical r	esistance is	the			
Ohm Ampere	e						
displace underde dead-w	ement eck	e is the c	carrying ca	pacity of	a vessel in to	ons.	
The wo	ord 'gale	e' means	:				
fog light rai strong v							
	is ole e						
A mate breaker insulate	•	ch offer	s low resist	ance to a	n electric cu	rrent is a(n)	
conduc	tor						
The lul soap paraffir water		g grease	is a mixtur	e of petro	oleum oil an	d	
The	_is used	l to heat	the wet ste	am befor	e it enters t	he main steam pipe.	,

condenser
economiser
superheater
We can store vegetable oil in a
sack
barrel
bale
are used to reduce friction between two metals.
cams
blades
bearings
The pistoninside the cylinder.
reciprocates
rotates
oscillates

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

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

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## 4. Answer any five (5) of the following questions. (20 p.)

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

5. Match the w	<u>ords in colui</u>	mn A to appropriate ones in column B to form
compound nouns.	(10 p.)	
	-	
A	В	
cam	bearing	
scavenge	valve	
ball	head	
cross	tight	
cylinder	shaft	
flow	ports	
air	meter	
throttle	rod	
crank	liner	
push	case	
(15 p.)		the Simple Present or the Present Continuous.  (supervise) work on deck and he
(study) the s		
		(lift) the cargo on board the ships.
The men are in the h	olds; they	(check) the ventilation system
and the lights.	_	•
A ship	(mo	por) at a berth by the quay.
On a cargo vessel yo	ou	(usually/store) cargo in the holds or on
the deck.		
The crane	(loa	ad) the containers on board now.
It is important to sec	ure or lash the	e cargo so that it (not/shift
during a voyage.		
Look! The engineers	S	(overhaul) the engines and the pipelines
	(fill) the fu	el tanks with fuel.

GOOD LUCK !!!