SCHOOL OF STUDENT'S I Student Numb Academic year Exam period: Semester: B	FULL NAME:  per: r: 2013-2014					
	FINAL TEST IN ENGLISH					
A. Fill in the g	aps with the correct word from the list below. (10 p.)					
cams electricit	ty circular temperature flow condensation conductor stem wet irregular					
	urrent is a of electrons through a wire or other All materials but some of them offer more resistance than others.					
b) There are for When the steam place.	ur kinds of steam: dry,, saturated and superheated.  nbecomes less than that corresponding to its pressure, takes					
B. Match the v	change motion into straight motion we use The cam has an shape and moves the valve up and down.  words to their synonym or explanation. Write the pairs in the lines below. There is an					
extra word. (	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					
elease	Coil					
gudgeon pin	connects the piston rod to the connecting rod of a reciprocating engine					
pedplate	when two ships crash					
oop of wire	maintains the desired temperature of the cylinder					
nollow	shows the presence of sea water in the fresh water system					
salinometer	a structure which holds the crankcase and supports the cylinder block					
crankshaft						

## C. Fill in the gaps with the appropriate word from the list. There are some extra words. (10 p.) boiler chamber combustion mountings air space furnace operation feedwater tube place energy 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. \_\_\_\_\_ 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 different types of \_\_\_\_\_ exist, namely the water-tube and the fire-tube. D. Underline the correct choice. (10 p.) 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 are used to reduce friction between two metals. cams blades bearings 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 \_ tonnage is the carrying capacity of a vessel in tons. net-weight

The CO2 indicator measures the percentage of the \_\_\_\_\_\_ gases that go up the funnel. condensation combustion steam

underdeck

A material who breaker insulator conductor	nich offe	rs low resist	tance to an o	electric cui	rrent is a(n	)	_·
E. Circle the	correct (	choice. (10	<b>p.</b> )				
3. He <i>has been</i> 4. When the fi	tailing / and / was Control  The alarm of the demonstrate of the control  The control of the con	ure sailing to aptain on the has rung / re strates / is de always is spe left the dry o	o Calcutta was a "Androme ang the Chicemonstrating and the chicemonstrating and the chicemons and the	hen the pira da" since 2 ef Engineer g the use of nds his sum ys ago.	002. • <b>was check</b> f fire exting	'attacked them.  ing / checks the uishers at the most.	
F. Match the	words in	column A t	o appropria	ate ones in	column B	to form compou	and nouns. (10 p.)
A cylinder flow air cam crank ball throttle scavenge push cross		B shaft ports meter rod liner case bearing valve head tight					
G. Complete t			are three (3)  dessert		<u>eds</u> (10p.)	main course	
appetizer	order			dressing	ш	menu	mustard
<ul><li>May I take y</li><li>Yes, please.</li><li>Do you want</li><li>No, just a ch</li></ul>	our a(n) ef's salac	l with mayor	? ? nnaise				
- What would -I would Anything on - Sure, bring n - Would you li -Certainly, I w -Is thatYes, thank yo	the ne some oke a(n) _ ish to try	as a(n) a chips and so the chocola?	steak. ? me?				
- You are	•						

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

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

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

## I. Answer any three (3) of the following questions. (20 p.)

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