<u>기 관 영 어</u>

○○1 다음 일지 기재문의 밑줄 친 부분의 뜻은?

	기타 관계 기계단기	EE & 1 L 1 A L 1		
	Found No.1 plum	mer block working h	ot.	
	가. intermediate sha	aft bearing	나. thrust shaft b	earing
	사. propeller shaft l	oearing	ी. stern tube bea	ring
002	"공기 송출을 하기 전에	밸브를 잠그지 마시오"	를 영문으로 표시할 때 () 안에 알맞은 것은:
	"Never () yo	our valve before air b	olowing"	
	가. lock	나. open	사. switch	아. restart
000			2.5/22	
003	-	face of No.1 cylinde		
	가. Faced up	나. Regulated	사. Screwed up	아. Tapped
	·해설· • face up : 표면을 매끄럽	게 하다		
004	S/B Eng. () lea	aving port of Pusan.		
	가. to	나. for	사. of	아. on
005	Fuel oil tank vents	are fitted with flame	e screens to prevent	().
	가. escape of flamm	nable vapors	나. flames enterin	g the tank vent
	사. corrosion in the		ी. damage to the	ball check
006	One of the importa	nt functions of lubric	ating oil circulation i	s ().
000				
		ing caps by carrying	_	
		ing surfaces by carry		ated by Inction.
		friction loss resulting revolution of shaft by		
	·해설·	revolution of shall D	y Tubi ication.	
	■ carry away : ~읔 가져		다	

007 Most propellers on merchant vessels are made of ().			
가. manganese bron	ze.	나. cast iron.	
사. mild steel.		아. forged steel.	
·해설· ■ manganese : 망간 / forg	ged steel : 대장간 쇠, 제철	소	
()()8 Calipers are instrumen 친 부분과 뜻이 같은	_	rauge the distance betwe	en two surfaces. 밑줄
가. create	나. enclose	사. fill	्रे. measure
009 Which of the follow 7. gasoline engine		on engine? 사. rocket engine	◌). turbo—jet engine
010 Honing is ().			
가. cutting process	나. grinding proces	ss 사. welding proce	ss of remetating process
()11 Renewed () of	clutch for No.2 F.O.	purifier.	
가. friction linings	나. spiral gear	사. gravity	े । separation disc
stopping of the engi	and departure of the shanes, and the ()	s to be entered in the log nip, the () and detai and reason for reduci	ls of the starting and ng the speed.
()13 When received fuel oil, log book?	which of the following	specifications does not no	eed to entry on engine
가. price	나. specific gravity	사. date, time	아. quantity
·해설· ■ specifications : 명세, 나	역, 상기		
014 On the first page of the be entered.	the Log book, type of t	the () and boiler oth	her particulars are to
가. engine	나. pump	사. steering gear	아. capstan

U15 "무산에 노작하였다 가. Arrived Busan			것은 다음 중 어느 것인가? or Busan 아. Anived of Busan
	muster and drills s	should be carried out (), approaching as closely
가. fictionally, sta	tionary	나. realisticall	y, emergency
사. fictionally, em	ergency	ণ. realistically	y, stationary
·해설· • muster : 소집하다 검	열 / drills : 훈련 / fic	■ tionally : 가상적으로 / realist	tically : 실제적으로
017 Before anyone is allo	wed to enter in the	main engine crankcase, the	e () should be engaged.
가. starting gear	나. turning g	ear 사. cut-off se	ervo of. governor
018 All the occurrences			
가. chief engineer		나. first engine	
사. the engineer (on watch	ं}. third engine	eer
·해설· ■ occurrence : 발생, 사	건, 생긴 일		
019 When the operating that the circuit bro		l case circuit breaker is in	n mid-position, it indicates
가. on	나. off	사. tripped	ी. reset
020 To avoid excessi	ve surge pressure	e when bunkering, you	should ().
가. bunker at a no	ominal rate	나. check for k	xinks in hose
사. close valves s	lowly	아. shut valves	s before topping off
·해설· \ ■kinks : 얽힘, 꼬임, 결	함		
021 See that (stand-	by feed pumps)	-	
가. 급수펌프		나. 급수펌프에 의	
사. 주급수 펌프		아. 예비급수펌프	
		become an engineer officerding to STCW conven	cer and designated as such

가. Chief steward 나. 2:	nd engineer	사. 3rd engineer	ी: Assistant engineer
·해설· designate: ~을 나타내다, 지시하다	나, 명시하다 / conver	ntion : 협정, 집회, 협의회 / a	ssistant engineer : 실기사
023 All personnel on board should of fire.	be fully ()	of the precautions nec	essary for the ()
가. ignorant, prevention		나. aware, occurrence	ce
사. ignorant, occurrence		ी. aware, preventio	on
·해설·			
■ignorant : 무식한, 무지의 / preve	ntion : 예방 / awa	re : 알고 있는, 감시한, 알여	가 차린
024 Steering gear control must be for the main steering gear.	provided both	on the () and in the	e steering gear room
가. bridge	٦	나. engine room	
사. master's room		아. chief engineer's	room
025 () 100 tons of F.O. in 가. Advanced 나. Re	enewed		아. Worked
026 "출입금지"에 해당하는 용어	는?		
가. Way out 나. No ·해설· ■ way out : 출구(exit)		사. Off limits	아. Entrance
027 When selecting the size of wire is the ().	e to be used in a	a circuit, the most impor	rtant item to consider
가. size of the circuit		나. density of the c	rircuit
사. amperage of the circuit		ዕት. amount of wire	to be used
028 If a boiler is allowed to ru 가. close the uptake dampe 나. put out the fires 사. shut down the main sto 아. regulate the steam pres	un short of war ers op valve	ter, what action shou	ıld be taken first?
029 The greatest care should be take	en to guard agair	nst () in steam piping	g by carefully draining

	might accumulate before	()is admitted.
가. steam leakage, drain	나. steam expansion,	hot water
사. water hammer, steam	아. steam pressure, f	eed water
·해설·		
■guard : 보호하다 / water hammer : 수격작용		
030 The solenoid valve can be typed as a		,
가. bellows valve 나. thermal valve	사. bimetallic valve	ol: magnetic stop valve
031 The () ships transport persons m	ainly.	
가. merchant 나. passenger	사. cargo	아. time charter
·해설·		
■ merchant : 상선		
032 Which of the following is a compressio	n ignition engine?	
가. hot bulb engine 나. gasoline engine		ी. steam turbine
,,	,	,
033 When there is a Freon leak, the halide		
가. orange 나. blue	사. white o	}. green
·해설· ■ halide torch : 하알라이드 토치 / 녹색 : 소량누설,	/ 진하 청색 : 다량 누설	
, , , , , , , , , , , , , , , , , , , ,		
034 The purpose of () rings are : to maintain		veen the piston and
034 The purpose of () rings are : to maintain cylinder wall; to aid in controlling oil; to pe	n a pressure tight seal betw	_
	n a pressure tight seal betw	_
cylinder wall; to aid in controlling oil; to perassist in cooling the piston.	n a pressure tight seal between a proper lubrication of the	_
cylinder wall; to aid in controlling oil; to perassist in cooling the piston.	n a pressure tight seal between a proper lubrication of the	he cylinders and to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston.	n a pressure tight seal between a proper lubrication of the	he cylinders and to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern	n a pressure tight seal betweenth proper lubrication of the 사. mouth	he cylinders and to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern () 35 S/B Eng. for arriving () Busan.	n a pressure tight seal betweenth proper lubrication of the 사. mouth	he cylinders and to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern () 35 S/B Eng. for arriving () Busan.	n a pressure tight seal betweenth proper lubrication of the 사. mouth	he cylinders and to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern 035 S/B Eng. for arriving () Busan. 가. on 나. at	a pressure tight seal betweent proper lubrication of the commit p	he cylinders and to }. piston • to
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern 035 S/B Eng. for arriving () Busan. 가. on 나. at	a pressure tight seal betweent proper lubrication of the commit p	he cylinders and to h. piston to vour ETD?
cylinder wall; to aid in controlling oil; to perassist in cooling the piston. 가. oil 나. lantern 035 S/B Eng. for arriving () Busan. 가. on 나. at 036 다음 문장 중 ETD의 뜻은? How many days do you need for land	a a pressure tight seal between the proper lubrication of the commit proper lubrication of the com	he cylinders and to h. piston to vour ETD? of departure

037	Stopped cargo work () to winch trouble.
	가. in 나. up 사. due 아. back 해설· due to: ~ 때문에
0.00	
038	The density of sea water depends on ().
	가. temperature, pressure and salt content 나. temperature and surface tension
	R. salt content, cohesion and viscosity । electrolytic content
039	If carbon dioxide has been discharged to extinguish or prevent a fire, the () content will be reduced in the affected space.
	가. hydrocarbon 나. hydrogen 사. carbon dioxide 아. oxygen
	해설· carbon dioxide : 이산화탄소(CO2) / affected space : 재난지역, 화재현장 / hydrocarbon : 탄화수소 / hydrogen : 수 소 / oxygen : 산소
040	When you enter the pump room to rescue an unconscious person, which equipment must rou have?
	7. Protective clothing and explosion-proof flash light
	ो. Flame safety lamp and resuscitation equipment
	र}. Combustible gas indicator and cannister gas mask
	P}. Self-contained breathing apparatus and lifelines
	해설· unconscious : 의식불명의 / resuscitation : 소생, 의식회복 / breathing apparatus : 호흡구
041	The () is usually fitted on the suction side of a pump and must be cleaned regularly.
	가. air chamber 나. strainer 사. coupling 아. gear
042	The engineer of the watch is never to absent himself from the () during his watch on any account.
	가. engine room 나. steering 사. bridge 아. control room

■ estimate : 추측의 예상의

)43 The combustible gas indicator(or explosimeter) detects the presence and proportion of () vapour in air.			
가. nitrogen 나. oxygen	사. hydrocarbon 아. hydrogen sulfide		
·해설· ■ nitrogen : 질소 / hydrocarbon : 탄화수소 / hydroge	en sulfide : 수소황화물		
044 No person should enter boiler until it has (place.) sufficiently to make work safely in such		
가. warmed up 나. choked	사. illuminated 아. cooled		
·해설· ■ choke : 질식하다, 숨이 막히다 / illuminate : 비추다	가, 밝게 하다		
045 Each person's duties at fire drills and each	mergency drills are ().		
가. in the engine room log book	나. on the station bill		
사. in the deck log book	े. on the certificate of inspection		
046 Before anyone is allowed to enter the main en 가. starting gear 나. turning gear 047 "Overhauled and cleaned separation disc	사. cut-off servo 아. governor		
가. cooler 나. purifier			
7). Cooler - 1. purifier	, induct		
048 Engine horse power results from the en	ngine's ().		
가. speed and displacement	나. torque and speed		
사. torque and compression ratio	아. compression ratio and displacement		
049 The part of the crankshaft to which the cor	nnecting rod is attached is called the ().		
가. journal 나. throw	사. crank arm 아. crank pin		
()50 (Pumped sufficient water) in No.4(P) tank to macient water) mean?	ake the ship upright. What does (Pumped suffi-		
가. Filled up with water	나. Ran down		
사. Pumped out	ी. Loaded		

051 In a refrigerating system, the purpose of the expansion valve by-pass is to (). 가. increase the efficiency of the plant 나. increase the capacity of the evaporator 사. control the refrigerant to the evaporator in case the automatic valves fail 아. by-pass the compressor				
052 The sea water pump draws water from the the engine fresh water cooler.	() through a strai	iner and delivers it through		
가. sea chest 나. hull	사. filter	아. ballast tank		
053 The condensate water from coils in t				
가. observation tank	나. feed water			
사. bilges ·해설· ■ condensate water : 응축수	ी. auxiliary exh	naust system		
054 The device used for the retention or quenching tion engines is called a ().	ng of sparks in exhaust	pipes of internal combus-		
가. loop seal	나. carburetor di	rip pan		
사. spark arrester	아. silencer			
·해설· ■retention : 포집, 보유, 보존, 억류 / quenching : 억누	르다, 억제하다, (불을)끄다	·/spark arrester : 그을음 제거기		
055 The bulb for the thermal expansion valve in the refrigerating system is located ().				
7. near the evaporator coil outlet		ldle of evaporator coils		
사. near the evaporator coil inlet		om row of evaporator coils		
056 The tool used to cut threads in a hol	e is called a ().		
가. top 나. reamer	사. tap	ी. bit		
057 Maintaining the atmosphere in any part of not exceeding () by volume.	any cargo tank for tanl	ker with an oxygen content		
가. 2[%] 나. 5[%]				

058	Hydraulic test of p	iston to be () af	ter repair.	
	가. applied	나. recoiled	사. started	아. overhauled
059	(The engineer of the 부분에 속하지 않는	watch) is never to abse 사람은?	ent himself from the en	gine room.에서 ()
	가. 1st engineer	나. 2nd engineer	사. 3rd engineer	아. oiler
060	The Log Book is to	be () in a conv	venient place in the e	engine room.
	가. equalized	나. kept	사. healed	아. penetrated
	·해설· ■equalize: ~을 똑같게하	나다, 평등하게 하다 / pene	trate : ~을 관통하다, 꿰뚫	다, ~을 파악하다
061	Some pistons are ta	pered with () dia	meter at the crown e	nd.
	가. the same	나. the richer	사. the smaller	ी. the more
062	() 안의 내용과	동일한 의미를 나타내	는 것은?	
	By removing one	or more of these fac	ctors the fire will be	(put out).
	가. detected	나. fired	사. extinguished	ी. postponed
	·해설· ■ detect : 발견하다			
063	Compound gauge is	necessary to read ().	
	가. both pressure an	nd vacuum	나. both pressure a	and temperature
	사. only pressure		ी. only vacuum	
064	All the occurrences as	rising during the watch	are to be entered in th	e Log Book by ().
	가. the engineer on	watch	나. third engineer	
	사. 1st engineer		ी. chief engineer	
065	There are increased riconditions.	sks of electric shock to	the welder if welding is	s done in hot or ()
	가. dry	나. warm	사. cold	아. humid
	·해설· • humid : 습기			

066 The main causes of () injury are etc.	infra-red rays, ultra-violet ra	ys, exposure to chemicals,		
가. lung 나. kidney	사. eye	아. ear		
·해설· ■ infra-red rays : 적외선 / ultra-violet ray	s : 자외선 / exposure : 노출 / lung	: 폐, 허파 / kidney : 신장, 콩팥		
067 Pointed out () by PSC offi	cer as follows;			
 Annual survey not conducted for safety construction cert. The incinerator not working. 				
가. the efficiency 나. the fla	w 사. the results	of. the deficiency		
● point out : 지적하다 / PSC (port State incinerator : 소각기(로) / efficiency : 효율,	능률 / flaw : 흠, 결점(도덕, 윤리상			
()68 Fill blank(s) with suitable word				
"() up B.W.T. with sea v	vater."			
가. Started 나. Filled	사. Full	아. Discharged		
·해설· ■ fill up : ~을 채우다				
()69 보조 보일러의 검사를 받기 위한	준비를 했다.			
Made () for () of au	xiliary boiler.			
가. preparations, survey	나. prepare, sur	rvey		
사. preparations, dosing	ी. prepare, dos	sing		
·해설· preparation : 준비 / prepare : 준비하다	 / survey : 검사 / dosing : 양을 ^토	북용 하다		
070 In a single stage impulse turbine	the expansion of the steam	m takes place in ().		
가. moving blade 나. fixed b	lade 사. nozzle	ी. casing		
071 The purpose of a () is to keep the changes in the load carried	the engine running at a des	sired speed regardless of		
가. governor 나. overspe	eed trip 사. regulator	아. flywheel		

072			ratio of the power act	
	가. ① I.H.P, ② B.H	I.P.	나. ① B.H.P, ② T.H	I.P.
	사. ① B.H.P, ② S.H	H.P.	아. ① B.H.P, ② I.H	.P.
	·해설·			
	mechanical efficiency:	기계효율		
o = o				
073	A synchroscope is	used to ().		
	가. parallel AC gene	erators		
	나. charge battery			
	사. synchronize prop	oulsion motor and ge	nerator	
	ी. connect breaker			
	·해설·			
	■ synchroscope : 동기검정]기 / propulsion : 추진, 추	진력	
074	NT 1 11 C			. 11 (
074	Nearly all fires can	be easily controlled	by one man with a p	
	가. fire extinguisher		나. water tight doo	r
	사. look		아. fire detection	
	·해설·			
	■nearly: 거의, 얼추			
075	The pilot valve in	a hydraulic governo	or ().	
010	_			
		pressure in the gove		
		-	nere the governor is used	on dual—fuel engines
			fro the power piston	
	of controls only the	e flow of oil under p	pressure to the power	piston
	·해설· • to and fro : 앞뒤로 움직]이느 와보이		
	- to and 110 · 32 11 22 13	1 1 1 , 0 1 - 1		
076	When the ship is at sea	a the principal particulars	s to be entered in the log	book are as follows:
010			d departure, weather, th	
	of wind.	t the time of diffydr dif	a departure, weather, tr	ie direction and force
	가. ton	나. quality	사. draft	아. ballast
	/ j. toli ·해설·	1. quanty	i. drait	j. Danast
	■ narticular : 사항 조목 /	' draft : 흑수		

■regardless of: ~에도 불구하고, 개의치 않는

().
d on the boiler
l
from the chief
new owners.
eated
1

083)83 Every lifebuoy shall be capable of supporting not less than 14.5[kgf] of iron in fres water for a period of () hours.				
	가. 12 ·해설· ■not less than: 적어도	나. 24	사. 48	아. 72	
084	골호의 단어와 같은	은 뜻의 단어는?			
	(Gauged) crank	arm deflection of M	Æ.		
	가. Adjusted	나. Measured	사. Inspected	아. Charged	
085	On a three-phase the was grounded?	nree-lamp ground detec	ctor, what would be the	indication if one phase	
	가. one lamp dark 사. all the lamps v ·해설· • ground detector : 접지		t. 나. one lamp brigh 아. all the lamps v	t and the others dark. would be bright.	
086		나. 공기벨트	or cooling pump."에서 사. 공기실		
087	Discharged () fr	om main air tanks. Cho	ose the most suitable o	ne for the parenthesis.	
	가. air ·해설· ■residue: 나머지, 찌꺼	나. oil 기	사. carbon residue	아. drain	
088	_	_	e volume of space whe	_	
Carbon deposits, which are incompressible solids, can accumulate in the contion chamber and (②) the volume of combustion space, thereby increasing ratio.					
	가. ① compression	n, ② reduce	나. ① expansion,	② gain	

	사. ① explosion, ② ·해설· ■ thereby : 그것 때문에,		ी. ① specific heat	, ② maintain
089	If two AC generators	are to be operated in pa	rallel, the load is distrib	uted evenly by ().
	가. a rheostat		나. a balance coil	
	사. adjusting the go	vernor settings	아. changing excit	ation
	·해설· ■ evenly : 균등히, 공평하	게 / rheostat : 가감저항기 ,	/ excitation : (전기)여자	
090	During engine desig	gn the firing order is	determined by the ().
030		_	나. camshaft positio	
	7. cylinder arrange		_	
	사. valve placement		ी. crankshaft desig	[]
	■ firing order : 폭발순서			
091	The time which it tak called ignition (es to heat the fuel parti	cles, turn into vapor, an	d start combustion is
	가. advance	나. time	사. lag	아. period
	·해설· • lag : 지연, 지체			
092	The vertical distance t	that the piston travels be	etween T.D.C. and B.D.C	C. is called the ().
	가. bore	나. stroke	사. cylinder	아. cycle
093	() is the play	between the teeth of	two gears which are	engaged.
	가. Gap	나. Back lash	사. Gear clearance	아. Chink
094	All liferafts to be ope ().	ned and inspected, and	replace the items whose	e term of validity are
	가. begun	나. reserved	사. exploded	ी. expired
095	() is a cargo ship an inflammable natu	constructed or adapted	for the carriage in bull	of liquid cargoes of
	가. A bulk carrier		나. A tanker	
	사. A General cargo	ship	아. A container	

096 () shall be complete or cleaning of fuel oil		n a tank—to—tank basis, n the ship.	whenever ballasting
가. Oil record book	나. Docking indent	사. Bell book	ी. Abstract log
097 In accordance with the of inerting empty cargo tank to a level at whi	tanks by reducing the	e oxygen content of the	_
가. flame detector		나. oxygen analyzer	
사. combustible gas d		ी. inert gas syster	n
■amend:~을 고치다, 변경	3 of L4		
()98 All details of fuel bunke the ().	ering, fuel oil tank clea	aning or sludge disposa	I must be entered in
가. rough log ા	나. engine room log	사. oil record book	아. abstract log
·해설· ■ disposal : 처리, 처분			
099 We look forward () hearing from yo	u at your earliest con	nvenience.
	_		nvenience. 가. to
	구. by	사. of	
가. with ·해설·	구. by nce : 형편대로, 되도록 일	사. of · · · · · · · · · · · · · · · · · ·	P. to
기는 with 대한 기계절	구. by nce : 형편대로, 되도록 일 l be preserved for a pe	사. of · · · · · · · · · · · · · · · · · ·	the () entry has
기는 with 대한 기계절	나. by nce : 형편대로, 되도록 일 l be preserved for a pe 나. last	사. of 역 적 riod of three years after 사. beginning	the () entry has
기는. with 대한 기계절로 기가는 with 대한 기계절로 기가는 oil record book shall been made.	나. by nce : 형편대로, 되도록 일 l be preserved for a pe 나. last w minutes can usual	사. of 역 적 riod of three years after 사. beginning ly be readily ().	the () entry has
기는 with at your earliest convenient 100 The oil record book shall been made. 기는 first 101 A fire in its first few 기는 acceptable	나. by nce : 형편대로, 되도록 일 l be preserved for a pe 나. last w minutes can usual	사. of 역 적 riod of three years after 사. beginning ly be readily ().	the () entry has
가. with •해설· •at your earliest conveniest 100 The oil record book shall been made. 가. first 101 A fire in its first few 가. acceptable •해설· •readily: 즉시, 쉽사리	나. by nce : 형편대로, 되도록 일 l be preserved for a pe 나. last w minutes can usual 나. distinguish	사. of 역 적 riod of three years after 사. beginning ly be readily ().	아. start 아. extinguished

103 The watch from 0800 hours to noon is the ().				
가. midnight watch 나. morning watch 사. forenoon watch 아. evening watch				
·해설· \				
■ 00 ~ 04 : midnight watch / 04 ~ 08 : morning watch / 08 ~ 12 : forenoon watch /				
$12\sim16$: afternoon watch / $16\sim20$: evening watch / $20\sim24$: first night watch				
104 Under the MARPOL 73 Convention as amended every () of 150 gross tonnage and above				
shall be provided with an ().				
가. passenger ship, oil record book 나. oil tanker, oil record book				
사. passenger ship, engine log book 아. oil tanker, engine log book				
·해설·				
■amended: 수정하다, 변경하다				
105 All life rafts to be opened and inspected, and replace the items whose term of validity are				
().				
가. begun 나. reserved 사. exploded 아. expired				
·해설· \				
■term of validity : 유효기간 / reserved : 예약하다 / exploded : 폭발하다 / expired : 만료되다, 끝나다				
106 Renewed 4 worn-out () plates on condenser cover.				
가. zinc 나. stainless steel 사. asbestos 아. canvas				
·해설·				
■worn-out:닳아 해진, 써서 낡은				
107 "발전기 엔진이 300[rpm] 되도록 조속기 스프링을 조정했다."를 영문으로 표기할 때 ()에				
알맞은 것은?				
Adjusted () spring of D/E to keep RPM 300.				
가. fuel valve 나. governor 사. plunger 아. tappet				
108 Changed Fuel oil for M/E () MDO () HFO				
가. to, with 나. from, to 사. from, by 아. to, of				
71. to, with 91. from, to 71. from, by 91. to, of				
100 764 774 774 774 774 774 774 774 774 774				
109 If the discharge side of the thermal expansion valve is warmer than the inlet side, the ().				
가. expansion valve is working normally 나. expansion valve is not working				
Al colonaid refere is not recording normally. Al cools two is distri-				
사. solenoid valve is not working normally 아. scale trap is dirty				

110 The sequence of an order in which power impulses occur in an engine is called the ().
가. expansion order 나. crank angle 사. ignition point 아. firing order
·해설·
■ firing order : 폭발순서
111 To accortain the expect procesure of stroke of the pictor is ()
111 To ascertain the exact pressure of stroke of the piston is ().
가. spring 나. indicator 사. tachometer 아. manometer
■ascertain: ∼을 확인하다, 규명하다
112 If a boiler is found to run short of water, what action should be taken first?
가. close the uptake dampers.
나. put out the fires.
사. shut down the main stop valve.
ी. regulate the steam pressure by the hand lifting lever on the safety valve.
·해설· ■ put out: 끄다
■ put out · 11 or
113 In accordance with the SOLAS 74/78 Convention as amended, every steam boiler shall
be provided with not less than two () valves of adequate capacity.
가. safety 나. stop 사. air vent 아. check
·해설·
■not less than : 적어도 / adequate : 충분한, 적절한
114 The disposal into the sea of food wastes is prohibited from the nearest land is less than
가. 3 nautical miles 나. 12 nautical miles 사. 15 nautical miles 아 25 nautical miles
·해설· • nautical miles : 해리(1해리=1852[m])
115 Ships are less stable when water or fuel tanks are partially filled because of the ().
가. free-surface effect 나. permeant sea water
사. increase in buoyancy 아. leakage of liquid
·해설· ■ permeant : 침투하는, 스며드는
- per meant・福工がモ、ニガニモ

	revolution is called (). If the pitch is greater than the actual advance per revolution, this is positive; if the pitch is less than the actual advance of the ship, this is said to be negative.				
	가. slip	나. cavitation	사. gain	아. speed	
	·해설· ■gain : 이득				
117		얼하게 작동될 수 있도록 : 나에서 명확히 청취 가능해			
		arm shall be provided ering platform as ap accommodation.			
	가. operate, audible		나. operate, visible		
	사. be operated, aud	dible	ी. be operated, vi	sible	
118	가. 윤활유를 퍼내고 나. 펌프를 분해하고 사. 수검을 위하여 £		사하시오.	한 것은 어느 것인가?	
119	No () should b	pe stored in the batte	ery room.		
	가. hydrometer		나. flammable mate	erial	
	사. hygrometer		े}. thermometer		
	■ hydrometer : 비중계 / 1	hygrometer : 습도계 / ther	mometer : 온도계		
120	Which of the following discharged?	g is found on the surfa	ce of the plates when	a lead-acid battery is	
	가. spongy lead ·해설· ■lead sulphate : 황산염	나. lead sulphate	사. irons	아. NaCl	

The difference between the pitch of the propeller and the actual advance of the ship in one

121	() 20 tons of F	Of from No. 2 tank	to No. 3 tank.	
	가. Loaded	나. Supplied	사. Shifted	아. Received
122	Overhauled G.S. pun	mp and renewed imp	eller shaft and ().
	가. mouth ring	나. oil ring	사. dam ring	ी. piston ring
123	Faced up () val	ves of No.1 fuel pu	mp on main engine	
	가. suction and deliv	rery	나. main and aux	iliary feed check
	사. surface and botto	om blow	아. salinometer	
	·해설·			
	■faced up : 연마하다			
124	Ventilation of the cr	rankcase is provided	in order to ()	
	가. aid in purifying t	the oil		
	나. maintain an unifo	orm oil pressure		
	사. prevent the accu	mulation of combust	ible gases in the	crank case
	ी. prevent the oil f	rom becoming emul	sified	
	·해설·			
	■in order to: ~하기 위하	· 1여		
125	In referring to threa	ads, pitch is ().		
	가. the distance of t	_	thread	
	나. the distance from	a point on one thread		point on the next thread
	measured parallel 사. the distance from		road to the bottom	of the next thread
	ो. the distance from	_		
	·해설·	if the bottom of a n	cad on a boil to t	ne mst tinead
	■refer: 언급하다, 알아보다	다, 참조하다		
126	The time between fu	iel injection and ignit	tion in a diesel engi	ne is known as ().
	가. injection lag	나. ignition lag	사. detonation la	g of precombustion lag
127	Which of the follow	ing is not ordinarily	used for determini	ng power factor?
	가. voltmeter	나. tachometer	사. ammeter	े. wattmeter

128	Most coolers used of	on board ship transfer	from a hot	fluid to sea water.
	가. pressure	나. heat	사. weight	아. load
129	나. a tank for storing 사. a cement dam in 아. an empty space seg	between tank tops and genemicals a fresh—water tank parating compartments to ther in case of leaks	to prevent "sloshing" to prevent the contents	
130	After passing through	the bearings and gears,	the L.O. in a turbine in	stallation goes to the
	-11.1	나. sump tank	사. daily tank	ै. storage tank
131	Clearance between	and tail shaft	to be measured.	
		나. main bearing	사. stern tube	o}. connecting rod
132	Before reaching a home of underline?	e port should be ready a	a list of stores on hand.	What is the meaning
	가. remaining	나. in hand	사. consumed	아. within reach
133	가. started, if	ne engine must never be () in cases of th 나. started, unless 'in cases of:~의 경우/	e most urgent necess	sity.
134	All engineer officers ar	nd engine room ratings	shall take () to pre	vent such a pollution,

particularly within framework of relevant international and port regulations.

가. appropriate precautions	나. all possible precautions			
사. cleaning	ণ. appropriate effort			
·해설· ■ rating : 부원 / framework : 구조물 / relevant	: ~관련된			
135 The basic requirement of deck mach	ninery is to control ().			
가. loads 나. height	사. size 아. width			
136 The engine drives () at the ste	rn of a ship.			
가. the rudder 나. the propelle	r 사. the generator 아. the motor			
137 Petty officer in charge of the engine	e department is ().			
가. No.1 oiler 나. engineer off	icer 사. rating 아. sailor			
·해설· ■Petty officer:하급선원, (해군)하사관				
138 Which of the following need not to	be recorded in oil record book?			
7. Date	나. Port charge			
사. Record of operations	ু. For charge			
. Record of operations	7. digitature of officer in charge			
139 An "exciting current" is one that is	required to ().			
가. build up a dead circuit	나. create a magnetic field			
사. excite a induction motor	ं}. build up the voltage in a battery			
·해설· ■exciting current : 여자전류 / magnetic field :	자장 / induction motor : 유도 모터			
140 A steam pressure gauge is usually connected to a steam source by means of "a pig tail" or loop in order to ().				
가. prevent steam from entering the	gauge			
나. prevent water from entering the				
사. provide for temperature compens				
of. provide for pipe expansion				
·해설·				
■ prevent : 예방하다 / provide : 제공하다 / con	npensation : 보상			

141	1 The fuel ignites and burns during the first part of the working stroke, thus raising the pressure in the cylinder. During this stroke, called working or ($\textcircled{1}$), the hot gases push the ($\textcircled{2}$) downward.			
	가. ① explosion, ② cylinder	나. ① impulse, ② crankshaft		
	사. ① power, ② piston	아. ① expansion, ② crankshaft		
142	An insulator is a ().			
	7). substance that offers a high resistance	se to current flow		
	나. substance that offers a low resistance			
	사. substance that absorbs electricity	e to current now		
	of, form of a condenser			
	·해설·			
	■ insulator : 절연체, 절연물 / absorb : 흡수하다			
143	A heat engine is a machine for the conversion must be to make the conversion as effic			
	가. reciprocating motion	나. centrifugal force		
	사. mechanical energy	∘}. resistance		
144	The function of fuel oil () is to prevent fore	ign matter from passing with oil to the burners.		
	가. stopper 나. cock	사. valve 아. strainer		
	·해설·	,		
	■ foreign matter : 이물질			
145	Before synchronizing alternators, they m	ust have ().		
	가. the load equalized	나. the same voltage		
	사. the same horse power	ी. the same ampere		
	·해설·			
	synchronizing alternator : 동기발전기			
146	An instrument used to measure high ter	nperature is ().		
	가. manometer 나. pyrometer	사. hydrometer 아. thermometer		
	·해설·			
	■ manometer : 마노미터(유체압력계) / pyrometer : 5	2온계 / hydrometer : 비중계 / thermometer : 온도계		

147	"한국선급의 검사원 J씨의 입회하에서 안전밸브의 자물쇠를 채웠다."를 영문으로 옮길 때 ()에 알맞은 것은?			
	() the safety valve () Mr.J, K.R. surveyor.			
	가. Closed up, at the presence of 나. Closed up, with the presence of 나. Closed up, with the presence of 나해설· ■ in the presence of : ~의 면전에서			
148	"The engineer is never to give over the charge of engine to any oiler."의 영문이 뜻하는 것은? 가. 당직기관사는 자유롭게 기관실을 비울 수 있다. 나. 당직기관사의 책임을 부원에게 맡겨서는 안 된다. 사. 기관장은 당직을 당직부원에게 맡길 수 없다. 아. 당직기관사의 책임을 기관장에게 위임할 수 있다.			
149	An electric tachometer receives the engine speed signal from a/an (). 가. small generator mounted on the engine 나. bimetalic sensing device 사. stroboscopic sensing device 아. vibration sensing device			
150	Which of the following instruments is not needed in the operation of 2 DC generators operating in parallel?			
	가. voltmeter 나. ammeter 사. synchroscope 아. over current relay •해설• • synchroscope : 동기검정기			
151	Steering gear control must be provided both on () and in the steering gear room for the main steering gear.			
	가. the engine room 나. the bridge 사. the deck 아. the stem of ship			
152	The oil record book shall be kept in such a place as to be readily available for (). 가. modification 나. copying 사. inspection 아. detection ·해설· • modification : 수정 / inspection : 검사 / detection : 발견			
153	"(Took out) No. 2 cylinder liner and repaired crack parts." What does (took out) mean?			

	가. Checked out	나. Draw out	사. Tightened up	ै. Skimmed up
		거하다 / skimmed : ~을 걷	어내다, 떠내다	
154	() F.O. from po	ort tank to starboard	tank.	
	가. Shifted	나. Replaced	사. Filled	아. Drained
155	The () point of an in sufficient quantity	-	at which inflammable v	•
	가. fire	나. ignition	사. flash	아. pour
156	Inspected all working pair up.	erts in () of M/E, for	and 1 crank pin bolt loos	ened, and retightened
	가. cylinder liner	나. crankcase	사. cylinder head	ी. camshaft
157	Engine displacement	can not be found ur		
	가. power ratio		나. compression ratio)
	사. bore and stroke		ी. compression space	ce
	·해설· • engine displacement : 배	제용적		
158	The purpose of the			
	가. prevent overspee			
	나. drive accessories			
			eed between power s	strokes
		the crank throws on	the crankshaft	
	·해설· ■throws: ~을 던지다, ~			
159	The cetane number of engine with ().	a fuel sample is deter	mined by testing it in a	a single cylinder test
	가. compression igni	tion	나. spark ignition	
	사. variable compres	sion ratio	ी. fixed compressi	on ratio
160	The turning effort p	produced by the engin	ne is called a ().	
100	가는 turning errort p	H. power ratio	사. twist	아. axial force
	,. 101 440	,. poner rano	,. 011100	,. amai 10100

161 () is a property of fluids and is a measure of resistance to flow. It is determined in a practical sense by measuring the time it takes a given quantity acted on by gravity to pass through an orifice.			
가. Specific gravity		나. Pour point	
사. Viscosity		아. Heating value	
·해설· ■ gravity : 중력 / specific	gravity : 비중 / pour poin	t:유동점 / viscosity : 점모	Ē
162 Static electricity is 1	most often produced	by ().	
가. pressure	나. friction	사. magnetism	아. heat
·해설· \ ■ static electricity : 정전기	/ magnetism : 자기, 자략	}	
163 A ring which keeps	a person afloat in th	ne water is ().	
가. lifebuoy	나. lifeboat	사. life jacket	아. liferaft
164 () Osaka for Bu			
가. Came	나. Left	사. Went	아. Arrived
165 The engineer of the	() is never to	absent himself from	the engine room.
가. oiler	나. first	사. watch	아. electrician
166 If you notice oil in the vicinity of the vessel while bunkering, you should (). 가. notify the master 나. stop bunkering 사. ascertain if oil is coming from your vessel 아. notify terminal superintendent • 해설· • vicinity : 근처 / ascertain : ~을 확인하다, 규정하다 / superintendent : 감독(자), 관리자			
167 Before repair work is s) and the starting air
가. slow—down ·해설·	나. run idle	사. stopped	ं}. turned

168		n command and charg 나. the chief office		
169				
170	"다시 죄도록 하시요	"를 영문 <u>으</u> 로 옮길 r	대 ()속에 적합한	용어는?
	() it again.			
	가. Fasten	나. Unite	사. Feed	아. Unbind
171		정시키다, 잠그다, 죄다 / tuitable one for the b		결합하다
	Measured top cle	earance of all pistons	with ().	
	가. steel	나. copper	사. lead	०}. iron
172	per () at any inst 가. liters, hour, kno 사. cubic meters, ho		ed of the ship in (나. liters, minute, 아. cubic meters,) at the same instant. knots minute, knots
173	Choose the most s	uitable one for the b	lanks.	
	S/B Eng. ()	leaving port of Busan	1.	
	가. to	나. for	사. of	아. on

■ secured: ~을 안전하게 하다

174	4 Choose the most suitable one for the blanks.				
	The total resistance of a parallel circu	uit is always ().			
가. larger than that of the branch with greatest resistance 나. smaller than that of the branch with the lowest resistance 사. equal to the sum of the individual branch resistance 아. equal to the reciprocal of the sum of the individual branch resistance					
175	Choose the most suitable one for the bl	anks.			
	In six cylinder and four stroke cycle engine () revolution of the crank shaft.	ne, there are six powe	er strokes for every		
	가. three 나. two	사. six	아. four		
176	Choose the most suitable one for the bl	anks.			
The entrainment of a considerable portion of moisture by the steam leaving boiler is called ().					
	가. steam bubble 나. priming ·해설· • entrainment : 함유되는, 포함되는 / moisture : 수분	사. foaming	े. saturated steam		
177	Shims are used to ().				
	가. replace fuses 사. adjust cylinder liners	나. separate fresh a 아. adjust bearing			
178	In two stroke diesel engine most efficient cy oil into the piston, at the beginning of		ained by injecting the		
	7. compression stroke	나. suction stroke			
	사. working stroke	아. exhaust stroke			
179	Measured clearance between stern tube	bearing and ().			
	가. propeller shaft	나. crank shaft			
	사. intermediate shaft	ी. impeller shaft			

180 "Winch to be opened up for survey."에서가. 가. 개방하다. 나. 폐쇄하다.		아. 연기하다
181 The engine log book is to be kept in a c 가. engine room 나. galley ·해설· ■galley: 요리실, 취사장		
182 Officers in charge of an engineering watch shall system under constant supervision until proportion machinery in their charge. 가. common, survey 나. relevant, inspect of the supervision: 감독, 관리 / periodically: 주기적으로	erly (), and shall p t 사. relieved, inspe	eriodically () the
183 This is rule for dealing with and writing up () has been made in the Log Book, two b 가. particulars 나. watch		wn through that part.
184 The () shall be preserved for a period of th 가. engine maintenance log 사. bell book ·해설· ■ preserved : ~을 보존하다, 보관하다	ree years after the last 나. oil record book 아. abstract log	entry has been made.
185 Officers in charge of an engineering watch, a direction of the chief engineer officer, shall be the machinery spaces. 가. attend 나. absent in charge of: ~을 맡아서, 담당해서		
186 Which of the following would not cause a cent 가. pump not primed 사. impeller plugged or broken	trifugal type pump to fa 나. insufficient speed 아. suction lift too	d

■ suction lift : 흡입양정

187	187 "알파라발 유청정기에 관한 최신 정보가 게재된 회보를 보내 주시기 바랍니다."를 영문으로 옮길때 ()에 알맞은 것은? Please send () containing () information concerning the Alfa Laval Oil Purifier.			
	가. bulletins, the latest	나. bulletins, the last		
	사. labels, the latest	े. labels, the last		
	·해설· ■ bulletins : 편람			
188	Fill in the blank with suitable words or p	phrases.		
	Filled up () with sea water.			
	가. settling tank 나. air tank	사. ballast water tank 아. sump tank		
189	A relief valve can be loaded with a spring so is too high.	that it may open automatically when ()		
	가. gas 나. temperature	사. pressure 아. electricity		
190	The intake and exhaust valves are closed and () resulting in high temperature.	the air in the cylinder is compressed in the		
	가. suction stroke	나. expansion stroke		
	사. compression stroke	ी. exhaust stroke		
191	191 If an engine could convert all the heat developed by burning of the fuel into useful work its () would be 100%.			
	가. heat ratio	나. thermal efficiency		
	사. mechanical efficiency	े. thermal ratio		
192	Took () all accessories of No.4 cylin	nder cover for M/E.		
	가. in 나. out	사. of 아. up		
	·해설· ■ take in: ~을 받아들이다, 마시다 / take out: ~을	꺼내다 / take up : ~을 들어 올리다		

	If the safety valve starts ing the OBA should		n-breathing apparatus(OB	A), the person wear—	
	가. go out into the f				
	나. open the by—pass valve wide				
	가. close the by—pass valve until the whistling stops				
	of. reset the timer for an additional 10 minutes				
	·해설·				
	■ oxygen-breathing appar	atus : 산소구명장치			
194	The watch engineer	should not leave the	e watch () until 1	properly relieved.	
	가. time	나. position	사. during	아. engine	
	and safety devices are examination of them is n pressure in accordance	to be opened up and e not practicable, they are ce with the KR class	essential services togethe xamined internally and to be tested hydraulically s rules. 사. 1.25 times	externally. If internal to () the working	
196		나. upside down	() position to avoid s 사. upright	spillage of electrolyte. 아. declined	
	"어느 구역의 침수율이라 의 비율을 말한다."를		물이 차지할 수 있는 용적)에 알맞은 것은?	과 그 구역의 전용적과	
		neans the ratio of the to the total volume	volume within that spa of that space.	ce which assumed	
	가. Broken space, be 사. Permeability, be ·해설·	occupied	나. Broken space, o 아. Permeability, oc		
198	must be to make the	conversion as effici	_		
	가. An electric motor	r 叶、A ret. machine	^t. A pump	아. A heat engine	

	■ heat engine : 열기관			
199	A "Hydrometer" is 가. pressure		(). 사. specific gravity	아. temperature
	■ hydrometer : 비중계 / sp	pecific gravity : 비중		
200	A period of duty o	f a ship's crew is ().	
	가. watch	나. master	사. sailor	ी. first officer
201	The () is respo	nsible for the engine	department.	
	가. master	나. chief engineer	사. boatswain	ी. watch officer
202	Adjusted () of No.2 by taking out 1 shee		_	mm copper liner and
	가. oil temperature ·해설· • putting in : 끼워 넒 / tal		사. oil clearance	아. oil leakage
203	"Opened plugs and (blew down) all water	r of B.W.T."에서 괄호	호 부분과 같은 뜻은?
	가. charged ·해설· B.W.T. ballast water tar		사. loaded	아. stopped
204	Opened test cocks of	of all cylinders for M	I/E and carried () air running.
	가. to		사. out	ी. on
	■carry with: ~을 휴대하		하다 / carry on : 경영하다	, 관리하다
205	Which is an incorrec	ct simpler form?		
	가. Slow astern : S/A	Λ	나. Motor Ship : M	/S
	사. Fuel Oil Tank : F ·해설· • simpler form : 약어	`.O.T.	아. Finished with e	engine: F.W.E.

·해설·

206 The crankshaft is of alloyed steel forging. To give better dynamic balancing, each () is fitted with a counter-weight.				
가. lever	나. web	사. journal	아. crank pin	
·해설· ■ alloyed steel : 합	금강 / forging : 쇠를 벼려서	만들다 / counter-weight : 평	형추 / crank arm=crank web	
207 The thermal	expansion valve of ref	rigerator responds to	the ().	
가. amount of	superheat in the vapo	or leaving the coil		
나. amount of	superheat in the liqui	d		
사. temperatur	e in the evaporator co	oils		
아. pressure ii	n the evaporator coils			
·해설· \				
■responds : 반응さ	나 다			
208 Engaged turni	ng gear and turned m	ain engine for 20 minu	ites after <u>F.W.E.</u>	
What does	the underlined F.W.E.	stand for?		
가. Finish Wit	hin Engine	나. Finish With	Engineer	
사. Finished V	ith Engineering	아. Finished Wi	th Engine	
·해설· \ ■ engage: 작동시키	'l다			
209 Choose the m	ost suitable one for the	he blank.		
All crew sh	ould be careful to () cigarettes complete	ly in their cabin.	
가. protect	나. extinguish	사. build up	아. load	
210 When received fuel oil, which of the following specifications does not need to entry on engine log book?				
가. price of fu	el oil 나. specific gr	avity 사. viscosity	아. flash point	
· 해설· \ ■ specific gravity	: 비중 / viscosity : 점도			
-			ea water side. Plugged 2 inspection of the auxiliary	

	가. air conditioner	나. oily water separator
	사. fresh water generator	o}. heat exchanger
	·해설·	
	■ defective : 결함이 있는	
212	'조기수 김씨가 오늘 승선하였다'를 영문기	관일지에 바르게 기입한 것은?
	가. Oiler, Kim joined her today.	나. Wiper, Kim joined her today.
	사. Oiler, Kim landed her today.	ी. Wiper, Kim onboard her today.
213	Emergency generators must be located	().
	가. in any dry space	나. above bulkhead or freeboard deck
	사. close to the engine room	o}. near the bridge
	·해설·	
	■ bulkhead : 격벽 / freeboard 건현	
214	When the frequency of the power stroke impul	ses is the same as the natural rate of torsional
211	vibrations of the crankshaft, the shaft is	
	가. rich over 나. sea speed	사. critical speed 아. normal speed
	·해설·	
	■ natural rate of torsional vibrations : 고유진동수 /	critical speed : 위험회전수
215	The engineer officer on watch shall notif	y () immediately in the event of fire.
210	가. the fire station 나. administration	
	· inde .	i the strage
	■immediately : 즉시 / administration : 관리, 지배	
216	A "salinometer" indicates ().	
210	가. vacuum	나. pH
	사. density	o). the proportion of salt
	·해설·	
	■ salinometer : 검염계	
217	The space between the piston at TDC a	and the cylinder head is the ().
	가. clearance volume	나. combustion volume
	사. stroke volume	∘}. total volume

218 The purpose of () rings are: to maintain a pressure tight seal between the piston a cylinder wall; to aid in controlling oil; to permit proper lubrication of the cylinders and assist in cooling the piston.				
가. oil ·해설· ■permit : 허락하	나. lantern 구	사. mouth	∘}. piston	
219 The oil record been made.	book shall be preserved f	or a period of () ye	ears after the last entry has	
가. one	나. two	사. three	아. five	
220 "부산에 입항하기] 위해 기관을 스탠바이 하	였다"를 영문 기관일지 7	입법으로 맞게 표현한 것은?	
가. S/B Eng.	to arriving Busan.	나. S/B Eng.	to arriving at Busan.	
사. S/B Eng.	for arriving Busan.	아. S/B Eng.	for arriving at Busan.	
221 The viscosity	of diesel fuel ().			
가. is a meas	ure of its resistance to	o flow		
	ect on the nozzle spra	y pattern		
	ed with a hydrometer s the heating valve of	the fuel		
·해설· \	o the heating varie of	1401		
■ hydrometer : ㅂ]	중계			
222 Before drillin	g a hole in a piece of	metal, it should be	().	
가. center-pu	nched	나. marked w	ith chalk	
사. scribed		아. protracted		
·해설· ■ chalk: 분필 / p	rotracted : ~을 연장하다			
223 When someth	ing goes wrong in an	automatic plant.		
가. an alarm	flash			
나. a light wi				
사. the fires	_			
٥٢. an alarm	sounds and an indicatin	ng light will flash		

Decreased $\underline{\text{F.H.N.}}$ from 9 to 6 slowly for stormy weather.

	What does the underlined F.H.N. stand for?			
	가. Fuel Hand Number	나. Fuel Handle Notc	h	
	사. Fuel Have Number	아. Fuel Have Notch		
	·해설· ■ stormy : 폭풍우의			
225	On receiving the order "Finished With Engine all the air drains should be opened; the auxi	_		
	가. opened, run 나. opened, stopped	사. closed, run	े. closed, stopped	
226	Which one of the following is not one of	six basic parts of the	e business letters?	
	가. letter head 나. signature	사. salutation	ी. remarks	
	·해설· ■letter head: 머리말 / salutation: 인사(말)			
227	The engineer of the watch is () to absent his on any account.	mself from the engine roo	om, during his watch,	
	가. usually 나. sometimes	사. used	o}. never	
228	() is the vertical distance from the moulded line in question in accordance with the pr	_		
	가. Freeboard 나. Breadth	사. Draft	아. Length	
	·해설· ■ amidships : 배의 중앙에서, 배 중앙부에 있는 / draf	t : 흘수		
229	Leakage of the Freon gas may be detect	ed by the use of ().	
	가. halide torch 나. litmus paper	사. filter	아. alkali	
222				
230	Fuel oil tanks to be () and cleaned			
	가. faced up 나. freed from gas	사. polished	∘⊦. ground off	
	• cleaned out : 청소하다, 정돈하다 / polished : ~을	닦다, 윤이 나다		

	shall have buoyancy which is rain fresh water.	ot reduced by more than	15% after () hours
가. 12	나. 24	사. 48	아. 72
·해설· \		·	·
■ buoyancy: 부	력, 부양 / submersion : 침수, 잠수		
	the SOLAS Convention as ame () of a person wearing		a protective suit which
가. body hui	midity	나. mental consciou	isness
사. brilliance	e of skin	아. body heat-loss	3
·해설· \ ■immersion su	it : 잠수복		
233 "검사에 대비]하여 선미축을 빼어 낼 것."	을 영문으로 옮길 때 ()에 알맞은 것은?
Tail shaft	() for survey.		
가. to be dr	ew out	나. to draw out	
사. to be dr	awn out	아. to drew out	
·해설·			
■draw out: 뽑	아내다, 제거하다		
234 Cut off No.	6 fuel () on main engin	ne.	
가. injection	pump 나. feed pump	사. booster pump	ी. transfer pump
·해설·	잘라내다, 차단하다		
■ Cut OII · ~ =	실다내다, 사원이다		
	electric motors, lighting circ		
가. megger	tested 나. pressure test	ed 사. running teste	ed of, on line tested
236 A distiller of	condenses () produced	by the evaporator.	
가. condensa	ate 나. water	사. vapor	아. drain
·해설· \ ■ distiller : 증류	수(기) / condense : 응축하다		
237 A superchar	rger ().		
_	of air pump which takes air ou	it of the atmosphere, co	mpresses it, and feeds
_			

	it into the engine.				
	나. provides a greater volume of air at a	나. provides a greater volume of air at atmospheric pressure			
	र}. is only of a positive displacement type				
	of. is always driven by belt or chain				
238	Which of the following is not the international transfer of the following is not the following is not the following transfer of the following transfer	al combustion engine?			
	가. diesel engine	나. gas turbine engine			
	사. steam turbine engine	아. gasoline engine			
239	The tool used to check external pipe dia	ameter is called a ().			
	가. plug gauge 나. pitch gauge	사. thread gauge 아. ring gauge			
	·해설·				
	■ring gauge : 플러그게이지와 한조로 되어있는 고리.	모양의 게이지			
240	All details of fuel bunkering, ballasting or clea	aning of fuel oil tanks, collection and disposal			
	of oil residues must be entered in the ().			
	가. oil record book	나. ship's official log book			
	사. noon report	아. docking indent			
	·해설· ■residue : 나머지, 찌꺼기 / indent : 주문				
	Fresidue · 아마지, 씨에기 / mident · 기년				
241	Which of the followings is not used for	complimentary close of letter?			
	가. Yours truly	나. Respectfully yours			
	사. My dear Mr. Smith	ी. Sincerely yours			
	·해설·	(t 11 · 기즈리케 / C' 1 · 기시스크			
	■complimentary : 서한의 말미에 사용하는 경어 / Re	sspectrumy · 성공야계 / Sincerery · 선심으로			
242	According to SOLAS convention, a passenger	ship is a ship which carries more than ()			
	passengers and cargo ship is any ship which	hich is not a passenger ship.			
	가. twelve 나. thirteen	사. fifteen 아. twenty			
243	"부산을 출항하기 위해 기관을 스탠바이 하였다" 것은?	를 영문으로 기관일지에 기입할 때 맞게 표현한			
	가. S/B Eng' in leaving Busan.	나. S/B Eng' in leaving from Busan.			
	사. S/B Eng' for leaving Busan.	아. S/B Eng' for leaving from Busan.			

244 Inspected and clea	aned () of No.1	air cooler for M/E.	
가. water and oil :	side	나. air and oil si	de
사. oil and chemic	al side	ी. water and air	· side
245 The packing in the of air and fresh w		oft and in good condition	on to prevent the ()
가. erosion	나. settlement	사. keep	아. escape
·해설· ■erosion : 부식 / settle	ement : 정착		
246 In motor ships there	are two circulating water	r systems, one sea wate	er, the other () water.
가. salt	나. hot	사. fresh	아. ice
247 The lime in cylind	der jackets, if deposi	ted as scale, acts as	s () of heat.
가. transfer ·해설· ■ lime : 석회		사. transmission	∘}. non—conductor
248 The auxiliary exh	aust steam is used t	o ().	
가. heat the cargo	oil	나. heat the feed	water
사. drive the feed	water pump	ी. drive the tur	bo generator
249 In a diesel engine	e, blow-by ().		
가. increases exha	ust back pressure	나. increases lin	er and piston ring wear
사. decreases fuel	consumption	ी. increases en	gine output
250 When a/an () ha part.	s been made in the log	g book, a black line sha	ll be drawn through that
가. entry	나. misentry	사. record	ी. report
	_		anical propulsion and the astallations of the ship.

252 다음은 무엇을 설명한 것인가?

	가. life jacket	나. life boat	사. lift ling	∘}. soap
253	() of the log book, entered.	the type of the engine	es and boilers and	other particulars are to be
	가. On the last page		나. On the seco	ond page
	사. On the cover		아. On the first	page
254	K사로부터 1,500 톤	의 중유를 수급했다.		
	() from K oil	Co., LTD.		
	가. Received light fuel			,500 M/T of heavy fuel oil
255	If the high-pressure sw cause could be (`	of a refrigerator of	opens frequently, a possible
	가. a leak in the evaporator coils			
	나. not enough cooling water going through the condenser			
	사. too much cooling	water going through	h the condenser	
	ी. not enough refrig	gerant in the system		
256				te will cause a change of on is perceptible on the
	가. latent heat	나. radiant heat	사. specific he	eat %. sensible heat
	·해설· ■ change of state : 상변화 / p heat : 비열 / sensible hea		있는 / latent heat : 잠옅	! / radiant heat : 복사열 / specific
257	The volume swept by ().	the piston from botto	m dead center to	top dead center is called
	가. compression ratio)	나. power ratio	
	사. allowable compre	ssion ratio	아. piston disp	lacement

A strong boat for saving persons after an accident at sea.

258	58 () the camshaft speed is equal to half that of the main shaft.			
	가. In 4 stroke eng	ine	나. In the modern	rotary engine
	사. In 2 stroke eng	ine	아. In the steam i	reciprocating engine
259	Lignumvitae is a hard, of surface because it is		does not swell, and is a er.	water-lubricated bearing
	가. wood ·해설· ■ swell : 부풀다, 팽창하다		사. rubber	아. synthetic
260	The () point is the	ne temperature at whi	ich the oil will continue	to burn when ignited.
	가. dew	나. explosion	사. fire	아. ignition
	·해설· ■ dew point : 이슬점			
261	Stopped cargo work	x () to winch to	rouble.	
	가. in	나. up	사. due	아. back
262	What is the temperatur of a small flame.	e at which volatiles will	l ignite momentarily at th	e surface on the passing
	가. freezing point ·해설· • volatile : 휘발성의, 증별		사. fire point	아. flash point
263	What does STCW	stand for?		
	나. Standards of Tr 사. Standing of Tra	nining, Certification aining, Certification ining, Certification Value, Certification are	and Watch keeping Watch keeping	
264	"주기관의 회전수를 서 ()에 알맞은 것은		핸들 위치를 80에 설정했	다."를 영문으로 옮길 때
	Increased revolut 10:00.	ion of main engine (() and () hand	lle position to 80 at

가. step in step, set 사. step by step, setted ·해설· ■ step by step: 한걸음 한걸음, 점차로, 착실히	나. step by step, set 아. step in step, setted
265 Refilled No.3 F.W.T. () fresh wat	er. 사. with 아. by
266 In its flow path through a diesel engine, which ing oil system oil usually reach first? 71. piston pin bearing	나. cam shaft bearing
자. main bearing 267 The purpose of the evaporator in a re 가. absorb latent heat of vaporization 자. transfer latent heat of vaporization	나. absorb latent heat of fusion
268 The space between the piston at TDC 가. clearance volume 가. stroke volume	and the cylinder head is the (). 나. combustion volume 아. total volume
가. so far as, eye sight 사. so far as, sightseeing	끝 부분이 경미한 손상을 입었음을 알았습니다."를 ed slightly () my () could reach. 나. as good as, eye sight 아. so good as, sightseeing ee, ~에 충실한 / eye sight : 시력 / sightseeing : 관광구경,
270 Before going off duty, the officer in charge events related to the main and auxiliary mach watch are suitably (). 가. surveyed 나. recorded	e of the engineering watch shall ensure that all inery which have occurred during the engineering At. relieved At. seen

271 "Any engine order given show 밑줄 친 부분의 뜻은?	ald be <u>repeated</u> by th	ne person operating the	bridge telegraph"에서
가. 확인해야 한다. 나.	복창해야 한다.	사. 점검해야 한다.	아. 금지해야 한다.
272 According to the () conshall be provided with an		nker of 150 tons gros	ss tonnage and above
가. MARPOL 나.	IMO	사. STCW	아. SOLAS
273 Adjusted () of No.2 cr and by taking out 1 shee	et of 2[mm] brass	liner.	
가. oil temperature 나.	oil pressure	사. oil clearance	ी. oil leakage
274 "천천히 최대로 올리시오.	"를 영문으로 옮길	때 () 속에 적합	압한 것은?
"Turn it up to () sle	owly."		
가. full 나. 1	blank 스	f. low	o}. stop
275 A generator has been expos to determine if it is safe		of the following instru	ments would be used
	to operate?		
to determine if it is safe	to operate? a voltmeter k in machinery spa	사. a hydrometer	아. a wattmeter
to determine if it is safe 가. a megger 나. 276 Seafarers required to wor () suitable hearing 기가. discard 나.	to operate? a voltmeter k in machinery spa protection. take off	사. a hydrometer aces which have high 사. wear	아. a wattmeter noise levels should 아. remove
to determine if it is safe 가. a megger 나. 276 Seafarers required to wor () suitable hearing	to operate? a voltmeter k in machinery spa protection. take off	사. a hydrometer aces which have high 사. wear	ं. a wattmeter noise levels should ं. remove
to determine if it is safe 가. a megger 나. 276 Seafarers required to wor () suitable hearing 기가. discard 나.	to operate? a voltmeter k in machinery spa protection. take off 을 버리다, 포기하다 / ta	사. a hydrometer aces which have high 사. wear ake off: ~을 제거하다, 일	아. a wattmeter noise levels should 아. remove 없애다 / wear : 착용하다
to determine if it is safe 가. a megger 나. 276 Seafarers required to wor () suitable hearing processed. 가. discard 나. • seafarers : 선원 / discard : ~~ 277 The term "engineering watch" presence in machinery speaks.	to operate? a voltmeter k in machinery span protection. take off 을 버리다, 포기하다 / take " means a period of (paces of that office	사. a hydrometer aces which have high 사. wear ake off: ~을 제거하다, 일	아. a wattmeter noise levels should 아. remove 없애다 / wear : 착용하다 ing which the physical be required.

278 Before going off duty, the officer in charge of the engineering watch shall ensure that all events related to the main and auxiliary machinery which have occurred during the engineering watch are suitably ().			
가. surveyed	나. recorded	사. relieved	아. seen
∙해설∙		,	
■in charge of: ~ ਊ	는 맡은 / ensure : ∼을 책임지다	ㅏ , 보증하다	
	e for the efficient operation		
가. master	나. chief engineer	사. chief officer	ी. first engineer
	eer is never to absent hin		
가. in	나. on	사. during	o⊦. at
	is used to keep the ship		
가. The ballast	나. The heating	사. The mooring	아. The sewage
282 Which of the formal of the	ollowing need not to be	recorded in oil recor 나. Sea chest in use	
사. Record of o	perations	아. Signature of o	fficer in charge
	speed sensitive device u		
가. speed log	나. tachometer	사. load limit	아. governor
	a storage battery at too hig ends to wash away the		
가. negative	나. positive	사. emergency	아. top
·해설· ■ bubbles : 거품 / w	rash away : 씻어내리다		
_	sited as scale, acts as non through the walls of th) considerably the
가. reduces	나. occures	사. increases	아. allows
286 All () pipe	s should be adequately 1	lagged.	
가. marine diese	el oil 나. fresh water	사. control air	아. steam

287			rew other than the n 사. Navigation off	
288	Before the maintenand should be released.	ce of hydraulic equipme	nt is undertaken, all () within the system
	가. temperature	나. seals ndertake : ~을 맡다, 책임2		∘}. pressure
289	Warmed up M/E () four hours.		
	가. for	나. during	사. with	아. in
290	가. welded on both 나. installed with w 사. grounded on bot	run through water tig sides of the bulkhea ater tight packing gla h sides of the bulkhe ns on each side of the	ands ead	e ().
291	_	e percentage of that spa sion of the SOLAS '7	ce which can be occupie 74 convention.	d by water in accord-
	·해설·		사. Probability railability : 유용성 / probability	
292	lowers its (). However pressure and the co 가. mechanical efficient 나. thermal efficient 사. mechanical efficient		on	

293 A heat engine is a machine for the conversion of heat energy into (), and its function must be to make the conversion as efficiently as possible.				
가. reciprocating motion	나. centrifugal force			
사. mechanical energy	ी. resistance			
294 The () is a heat exchanger which remove it condenses and can be pumped back in				
가. feed water heater	나. superheater			
사. condenser	े. feed water cooler			
295 () means a coating, painting, surface treship to control or prevent attachment of	eatment, surface, or device that is used on a unwanted organisms.			
가. Anti-fouling system	나. Anti-heeling system			
사. Anti-surging system	아. Anti-vibration system			
·해설· ■organisms : 유기체, 생물 / foul : 구역질나는, 구린	내 나는			
296 Reduced <u>RPM</u> of main engine and slowed dow does the underlined RPM stand for?	n speed according to order from bridge. What			
가. Revolutions Per Minute	나. Reverutions Per Minite			
사. Revolutions Per Minite	े. Reverutions Per Minute			
297 () means a ship whose hull, machinery, ed below the standards required by the relevant co with the safety manning document.	quipment, or operational safety is substantially onvention or whose crew is not in conformance			
가. Substandard ship 나. Designated shi	p 사. Flag ship 아. Registered ship			
298 Propeller blades to be polished and surveye be measured.	d. Clearance between () and tail shaft to			
가. propeller 나. rudder	사. stern tube 아. intermediate shaft			
299 To avoid excessive surge pressure whe 7. shut valves before topping off 1. close valves slowly	n bunkering, you should (). 나. close valves to another tank 아. spill bunker overboard			

300 The engineer of the watch is () to on any account. 가. usually	absent himself from the engine room, during his watch, 나. sometimes 아. never
301 In accordance with the SOLAS74/78	8 Convention as amended, the lifeboat engine shall be) is flooded up to the centerline of the crankshaft. 나. mother ship 아. main engine
	나. oil record book, inspection 아. oil record book, protection
제2의 에너지원을 비치하여야 한다." "A second source of energy shall	는 없는 한, 30분 이내에 추가하여 3회의 시동을 하기 위한 를 영문으로 옮길 때 ()에 알맞은 것은? Ill be provided for () within 30 minutes unless
manual starting can () to be 가. an consecutive three starts, c 나. an consecutive three starts, be 가. and additional three starts, be 아. an additional three starts, be observable.	demonstrate pe demonstrated emonstrate
304 다음 문장의 괄호 부분의 우리말	
Before reaching a home port si	hould be ready a complete (list of new stores)

나. 식료품 소모량 일람표

아. 식료품 재고량 일람표

가. 새로운 소모품 일람표

사. 새로운 유류 소비량 일람표

	All engineer officers and engine room () or accidental () of the marine env	shall be aware of the serious effects of operational ironment.
	7. ratings, pollution	나. mates, condition
	사. wipers, responsibility	ু oilers, circumstance
	·해설·	,. 6-1-6-13, 6-1-6-32-1-6-6
	■be aware of:깨닫다, 감지하다, 알아차리다 / a	ccidental : 우발적인, 뜻하지 않은
306	Prior to taking over the engineering watch, re	elieving officers shall satisfy themselves regarding
	at least the following, that is the () and spet to the operation of the ship's system as	ecial instruction of the chief engineer officer relating nd machinery.
ı	가. standing orders 나. operation	사. maintain 아. upkeep
	■ take over: ~을 이어받다, 인계받다, 접수하다 / instru 속하다, 유지하다	action : 지시, 명령 / standing orders : 복무규정 / maintain : 계
307	"나머지는 취소할 수 밖에 없습니다."를	영문으로 옮길 때 ()에 알맞은 것은?
	"I () no alternative to cancel th	e () of our order."
	가. have, surplus	나. have, remainder
	사. take, surplus	ণ্. take, remainder
	·해설· ■alternative : 양자택일의, 선택의 / surplus : 나머지, 과잉], 필요이상의 잉여 / remainder : 나머지, 잉여, 소비한 나머지
308	A circuit that dose not provide a comp	lete path for the flow of current is ().
_		it 사. an open circuit 아. a grounded circuit
	7. a closed chedit 7. a short ched	i. di open en cuit , a gourte deta
309	Fill blank(s) with suitable word(s).	
	Procedure to be followed to prevent a taken in the event of spillage, including response personnel.	air and water pollution and measures to be g the need to promptly () shore—based
	가. present 나. notify	사. detect 아. hear
,	·해설·	
	■ procedure : 진행, 절차 / spillage : ~을 엎지르다, 흘리 : 전직원, 요원 / notify : 알리다 / detect : 발견	다 / promptly : 기민하게, 즉시 / response : 응답 / personnel 하다, 찾아내다
310	Fill blank(s) with suitable word(s).	

	This paragraph is Special Survey pressure vessels for essential served devices are to be opened up and example and example of them is not practicable, that the () pressure.	ices together with their mo amined () and externally.	untings and safety If internal exami-
	가. test hammer, gage	나. eye, absolute	
	사. internally, working	ी. hydraulically, de	esign
	·해설· ■ paragraph : 항목 / air receiver : 에어탱크 /	externally : 외부	
311	Fill blank(s) with suitable word(s)		
	Prior to taking over the engineering selves regarding at least the follow formed on machinery and system,	ing, that is, the nature of al	ll work being per-
	가. standing orders 나. hazards	사. ability	아. requirements
	·해설 ■ prior to: ~에 앞서, 전에 / take over: 인계받다 / 잠재력이 있는 / hazard: 위험	/ relieving officer : 교대자 / personnel :	: 직원들 / potential : 가능한,
312	Where main or auxiliary machinery include and may be subject to dangerous (), against such excessive pressure in a	means shall be provided where	e practicable to protect
	가. overspeeding	나. overpressure	
	사. breakdown	ी. high temperature	!
	·해설· subject to: 받아야하는, 필요하다 / convent	zion : 협약	
313	The jacket cooling water should be heated generator discharge through M/E system may be arranged to percolate into	m. Where such a connection i	
	가. hot gas 나. steam	사. hydraulic	아. stream
314	This inspection was not a full survey an event of a detention, it is () that full before an application for reinspection	survey is carried out and all de	

가. contacted	나. helped	사. recommended	아. operated
·해설· ■ survey : 검사 / deficie 감금 / rectify : 바로		haustive : 철저한, 남김없는, 고	갈하는 / detention : 억류, 지연,
315 Where risk from (speed is not exce) of machinery exists eded in accordance wit		
가. overspeeding	나. overpressure	사. breakdown	ं}. high temperature
-	yage by a ship entitled nore terminal under th	_	State to or from a port, ther State.
가. Coastal voyaş	ge	나. Domestic voy	age
사. International	voyage	ी. Ocean going	voyage
	-		clear grounds for believ—d to a () taking the
가. initial inspect	ion	나. periodical insp	pection
사. safety inspec	tion	ी. more detailed	l inspection
·해설· PSC Port State Contro 수하다, 계속하다	ol : 외국선박검사 / observation	s : 관찰 / substandard : 표준이]하의, 불충분한 / proceed : 착
318 Electric power is the The unit of power	e rate of doing work by er is watt or kilowatt.		
가. ① ratio, ② 1	1000	나. ① product, ②	2) 100
사. ① sum, ② 1	00	아. ① product, ②	1000
		on board the above name	beg to apply to you that ed steamer will be com-
가. finished	나. received	사. rung	े. started
	ken at the extremities	s of the deepest subc	livision load line.
가. draught	나. breadth	사. length	아. freeboard

	■ perpendiculars · 구석의 , 석합면 / extremities · ᇀ, 전인 / 건현	' subdivision · 시판 / draught · 글 (—drait) / freeboard ·
321	According to the SOLAS 74/78 Convention as of launching a () whereby the craft is au is ready for use.	
	가. rescue boat	나. mobile supply vessel
	사. survival craft	아. davit
	·해설· ■ launching : 발사, 진수	
322	These are kind of the procedures before	e starting diesel engine ;
	water.	ertained no slightest leak of air, oil and turning gear, ascertained that everything ome oil into the fuel valves.
	7. Oiled, Cleaned, Renewed	나. Oiled, Turned, Primed
	사. Cleaned, Turned, Primed	아. Cleaned, Turned, Renewed
	·해설·	
	■ascertained: ~을 확인하다, 규명하다 / slightest:(양)얼마 안되는, ~을 경시하다 / at least : 적어도
323	The mechanical efficiency of an engine is the crank shaft called (①) to the power dev 가. ① DHP, ② IHP 나. ① IHP, ② BHP	veloped inside the cylinders called ($②$)
324	The life—raft and its fittings shall be so construction of () knots in calm water when loaded with and with one of its sea—anchors streamed	its full complement of persons and equipment according to SOLAS convention.
	가. 1 나. 3	사. 6 아. 10
	·해설· ■ enable : ~하는 것을 가능하게하다 / tow : (배)를	밧줄로 끌다

What does the following mean?:

A condition found not to be in compliance with the requirements of the relevant convention.

가. clear grounds

나. detention

사. inspection

ी. deficiency

. 해선.

■ compliance : 응함, 따르기 / relevant : 관련된 convention : 협정, 관례 / detention : 구금, 구류 / inspection : 검사, 점검 / deficiency : 결함, 불충분

326 If there are clear grounds to believe that the ship is in violation of this Convention, a through inspection may be carried out () account guidelines developed by the Organization.

가. taken into

나. put on

사. putting on

아. taking into

해석

■in violation of: ~에 위반해서 / convention: 협약

327 Heat treatment consists of heating a metal alloy to the temperature below its () and then cooling it in a particular manner. The result is some desired change in the material properties.

가. boiling point

나. pour point

사. melting point

ी. ignition point

· 해설·

■ heat treatment : 열처리 / alloy : 합금, 비금속 / boiling point : 비등점 / pour point : 유출점 / melting point : 융해점 / ignition point : 착화점

328 In a turbine, the steam passes through a series or succession of wheels holding (1). It passes through them one after the other. Each successive row reduces the (2) energy of the steam. The energy of the steam is (3) reduced as it passes through the successive rows.

가. ① stages, ② moving, ③ slowly

나. ① rotor ② stored ③ gradually

사. ① blades, ② kinetic, ③ progressively

아. ① disc, ② potential, ③ greatly

·해설·

■ succession : 연속적으로 / row : 줄, 열

329 We can use grease in low-speed bearings, but grease offers more (①) to the turning move-ment of the shaft. A lighter oil causes less (②), and so an oily lubricant is better for high-speed bearing.

- 가. ① viscosity, ② friction
- 사. ① resistance, ② friction
- 나. ① power, ② output
- o}. ① viscosity, ② resistance

330 Choos	se the most su	iitable one for th	e blanks.	
	lation, filtering	and refreshing of		space together with the circulation and refreshing nperature.
_	entilation, Air r conditioning,	_	_	tion, Ventilation on, Refrigeration
mixtur				and the volume of the same re and pressure is called the
가. vc	lumetric effici	ency	나. volume ra	atio
사. vc	lume rating		ी. volumetric	ratio
I have be so by ou 가. or ·해설· • paragra	the pleasure o much obliged if r agents, Mes der ph:단탁/Articles O	f forwarding you a you send them of srs. Busan & Co 나. receipt	an order of the under n board M/V ZZZ imp o., in exchange for 사. contain	아. quantity 나음에 말하는 / oblige : ~에게 강요하
			er on all matter of safe injuries on board s	e working practice and assist hip.
·해설·	der, accidents nation: 제거, 삭제,		ft 사. advise, a	accidents 아. order, theft
the ow the ve- outside be for	ner's represent ssel's landing on	ative and () the previous block local shall be for contract account.	ne vessel on the keel ations in so far as pos	the vessel's master and/or and bilge block as to avoid ssible. Docking or undocking any additional charges shall
	portant, inspe		ी. good, surv	
·해설· \			,, 8000, 501,	- v

■contractor: 계약자, 청부인 / representative: 대리인 / keel: 용골 / as to: ~에 관하여 / in so far as: ~하한 / convenience: 편리 / account: 보고(서) / previous: 앞의, 이전의 / relevant: 관련된, 관련 있는
335 The reason I pointed out the above deficiency were resulted from the aforementioned principle and also my professional judgements () the SOLAS & TOKYO MOU
가. of 나. according to 사. on 아. due to
·해설· ■ pointed out: ~을 지적하다 / deficiency: 부족, 결핍 / aforementioned 전술한, 전기한 / according to ~에 따라 ~에 의하면
336 () means an inspection conducted when there are clear grounds for believing that the condition of the ship, its equipment, or its crew does not correspond substantially with particulars of the certificates.
가. Concentrate inspection 나. More detailed inspection
사. Random Inspection 아. Periodical inspection
·해설· ■ conducted : ~을 실시한다, 안내하다 / equipment : 설비 / substantially : 충분히, 대체적으로 / certificates : 증명/ / periodical : 주기
337 Fill blank(s) with suitable word(s).
When megger-testing a new armature coil to ground, the reading under normal conditions should be at least ()[M Ω].
가. 1 나. 10 사. 100 아. 1000
338 () provides a reservoir of relatively cool water giving the gravitational head necessar to displace the high temperature mixture of steam and water, with its much smaller density from the heated tube surfaces.
가. Water drum 나. Scotch boiler 사. Steam drum 아. Evaporating tub • i해설· • relatively : 상대적으로, 비교적 / gravitational : 중력의 / density : 밀도
339 () to be removed ashore, tips of two blades to be faired where distorted, and groun smooth. After proper fit of shaft taper in hub is witnessed, () to be replaced in position ready for installation.
339 () to be removed ashore, tips of two blades to be faired where distorted, and groun smooth. After proper fit of shaft taper in hub is witnessed, () to be replaced in position

340	Immersion suit can be account any associated junction with a life j	clothing and a life jack	et if the immersion suit	_
	가. 30[sec]	나. 2[min]	사. 5[min]	아. 10[min]
		npacked : ~의 내용물을 빼 연합 / conjunction : 결합	내다, 열다 / assistance : 보조 , 연합, 합동	/ taking into : ~을 고려하다
341	In accordance with the over from 35° on one sand running ahead at	side to 35° on the other	side with ship at its d	
	가. main and auxilian	ry steering gears	나. main steering	g gear
	사. auxiliary steering	g gear	아. gyro system	
	가. 100 ·해설· ■ flare : (불꽃이)타오르다, Choose the most su	water according to 나. 500 확 타오르다 / immersed iitable one for the b	SOLAS Convention. 사. 1000	야. 5000
	Bulletin containing f	urther information r	egarding the De Lavaricating Oil Name; AA	al Oil Purifier, as (
	7. checked		나. made	
	사. recommended		ी. operated	
	·해설· • bulletin : 게시, 고시, 공.	보, 편람 / purification : 정		
344		d negative plate both i	of cells. One cell consi mmersed in a dilute sul	_
	가. alkaline	나. dry	사. lead	아. Ni-Cd

·해설·

	■ peroxide · 과산화출 / immersed · 답그나 / dilute s	surruric acid solution · 황산구홍坪(의식탁)
345	Choose the most suitable one for the bl	anks.
		esult of this contract shall be disposed by local and national laws of the country
	가. captain	나. chief engineer
	사. contractor	o}. owner's representative
	·해설· ■ waste : 쓰레기 / contract : 협정, 협약 / disposed	: 처리하다 / award : (상을)주다, ~을 개정하다
346	Choose the most suitable one for the bl	anks.
	() means a vessel capable of engagin for or exploitation of resources beneath the carbons, sulphur or salt.	g in drilling operations for the exploration sea-bed such as liquid or gaseous hydro-
	가. Mobile offshore drilling unit	나. Bulk carrier
	사. Oil tanker	ी. Chemical tanker
	·해설· ■ drilling operations : 시추 / exploration : 실지답사,	탐구 / exploration : 개발 / sea-bed : 해저
347	Choose the most suitable one for the bl	anks.
	() means a document issued to a Coments of ISM Code.	mpany which complies with the require-
	7}. Safety Management Certificate	나. Document of Compliance
	사. Safety Management System	아. ISPS Certificate
	·해설· ■ complies : 따르다, 동의하다 / Compliance : 수락, '	승낙
348	중요한 보조 기계 1개가 작동불능이 된 경우에도 수 있는 수단을 강구하여야 한다. 를 영문의	
	() shall be provided whereby normal be sustained or restored even though o	al operation of propulsion machinery can ne of the essential auxiliaries becomes

나. Means, inoperative

가. Methods, inoperative

	·해설· ■even though:비록 ~일지라도 / Means	: 수단	
349	Choose the most suitable one for	r the blanks.	
	() means the gross tonnage urement regulation contained in Tonnage Measurement of Ships,		Convention on the
	가. Net tonnage 사. Displacement tonnage ·해설· ■ in accordance with : ∼에 따라서, ∼과 역	나. Gross tonnage 아. Dead Weight to 일치하여 / Annex1 : 부록1	onnage
350	Choose the most suitable one for	r the blanks.	
	The () is a forum in which I state or international shipping p	Member States can express th	neir views reflecting
	가. ILO 나. WHO ·해설· ■ reflecting : 반사하다, 반영하다	사. IMO	아. IOC
	The ratio between the air—fuel mixtur mixture that could enter under standar ().		
	가. volumetric efficiency	나. volume ratio	
	사. volume rating	ी. volumetric ratio)
	() are used to ensure that ships of or any oil contaminated space. International legislation relating to oil limits set for oil discharge.		
	가. Oil spill removement	나. Waste oil incir	nerator
	사. Oily water separator	아. Oil pollution s	imulator
	·해설· ■ legislation : 법률제정, 입법, 법규 / string	 gent : 엄한, 엄격한	

ी. Means, operative

사. Methods, operative

353	6월 28일에 수량, 품질, 였습니다.	가격 및 품명에 관한 모든	명세를 부기하여 선용	소모품을 귀사에 주문하
		on the 28th of June a	n order for (),	with all particulars
	가. ship's spare, qu 사. ship's consumab ·해설· ■as to:∼에 관하여/q	les, quality	나. ship's spare, s 아. ship's consum	specification nables, specification
354	and turning the crank.	r it should be tested. The A perfect reading, indication).		
	가. zero	나. 100	사. 220	아. 440
355	engine room ratings s	rt of "Protection of the M shall () all possible pr f relevant internationa	recautions to () su	ch pollution, particularly
	가. disregard, preve	ent	나. take, prevent	
	사. disregard, prote	ct	ी. take, protect	
	·해설· ■ precautions : 주의 / frame 보호하다	work : 구조물 / disregard : ~을	- 무시하다, 소홀히 하다 / _E	prevent : 예방하다 / protect :
356		unds to believe that the ay be carried out taking		
	가. on ·해설· ■ in violation of : ∼에 우		사. in	ी. with
357	be equipped with (MARPOL 73/78 Convented to the Market	the discharge is auto	
	가. a discharge mor	nitor	나. a by-pass dev	
	사. a stopping devic	ce	of. a recording de	vice

	■ in accordance with : \sim of	ll 따라서 / discharge : 배출		
358	Claw couplings or clute is to be made often.	ch couplings are used fo	r () or () shaft	s when the change
	가. connecting — dise	connecting	나. driving — undriv	ving
	사. sliding — intersec	cting	아. connecting - ro	tating
	·해설· • claw : 서로 맞물리는 커플	플링		
359	jacket water temperature	aneuvering engine, careful es, the sea water supply to) for ensuring a s	the fresh water cooler	being severly throt-
	가. opened	나. increased	५}. shut−off	아. repaired
	·해설· • maneuvering : 수동 / sev	verly : 엄격하게, 심하게 / en	suring : 안전하게하다, 책임]지다, 지키다
360	and is responsible for ins	of the engineering watch" appection, () and testing, ty of the engineering v	as required, of all machin	_
	가. maintain	나. operation	पे. survey	o}. upkeep
	·해설· • representative : 대리인 /	responsible : 책임이 있는 /	responsibility : 책임	
361	_	IV of the MARPOL 73/78 (n any form of toilets, u		_
	가. garbage	나. sewage	पे. noxious liquid	아. sludge
362	pulsion machinery sh 가. one location 나. two locations 사. the engine contro 아. the navigation bri	idge and engine contro	om () at a time.	
	■ in accordance with: ~ 의	의하면, 따라서 / propulsion	machinery : 주진장치 / at :	a time : 한번에, 동시에

363 Two or more prime more and load. What is the		ically interconnected and d	lriving a common shaft
가. Double acting	나. Twin engine	사. Parallel	아. Speed droop
364 The () slip is the speed of the ship o		between the speed of the speed between the speed of the s	
가. true ·해설· ■ apparent slip : 겉보기		사. apparent	아. propeller
stopping of the eng	and departure of the shines, and the ()	nip, the () and detail and reason for reducing	s of the starting and ng the speed.
가. time	나. place	사. condition	ी. reason
	e International Managem ation adopted by the	nent Code for the Safe O IMO.	peration of Ships and
가. ISPS ·해설· ■ adopted : 채택된	나. STCW	사. LSA	아. ISM
equipment and the me	eans of applying torque	eering gear power units, to the rudder stock nevering the ship under norm	cessary for effecting
가. Main steering g 사. Steering gear in ·해설· • ancillary : 보조적인, 부	ndicating system	나. Steering gear co 아. Rudder keepin	-
gency source of power	er is located or where t	io or main navigating equ he fire recording of fire ion of the SOLAS con	control equipment is
가. Control rooms ·해설· ■ centralize : ~을 집중히	나. Bridges 다, 중앙화하다 / provision	사. Machinery spaces : 조항, 규정	ol. Control stations

369 When CO_2 is used as the extinguishing medium for spaces containing boilers or internal combustion type machinery the fixed piping system shall be such that () of the gas can be discharged into the space within () according to SOLAS.
가. 85% — 3min. 나. 85% — 2min. 사. 90% — 3min. 아. 90% — 2min.
370 The PSCO may ensure that () are exhibited in conspicuous places throughout the ship, including the navigational bridge, the engine room and crew accommodation spaces. 가. crew lists 나. muster lists 사. spare lists 아. provision lists • exhibited : 전시하다 / conspicuous : 잘보이는, 눈에 잘띄는 / muster : 명부
371 "외부로부터 아무런 도움 없이 데드쉽 상태에서 기관을 작동시킬 수 있는 수단을 강구하여야한다."를 영문으로 옮길 때 ()속에 적합한 것은?
Means shall be provided to ensure that the machinery can () from the dead ship condition without ().
가. bring into operation, internal aid. 나. bring into operation, external aid 아. be brought into operation, external aid
372 Main and emergency switchboards, section panels, and sub-distribution fuse panels are to be examined, and () protective devices and fuses to be inspected to verify that they provide suitable protection for their respective circuits.
가. relay 나. switchboard 사. overcurrent 아. circuit ·해설· ■ sub—distribution : 분전반 / verify : ~을 검정하다, 입증하다, 확인하다
373 The temperature to which the fuel must be heated to allow flammable vapors to form on its surface. These vapors can be ignited by an open flame held above the surface. The importance of () is in storage safety, not performance in an engine. 가. pour point 나. flash point 사. ignition point 아. combustion point 해설. performance : 성능 / pour point : 유통점 / flash point : 인화점 / ignition point : 착화점
374 () may be attached at the "free" end of the engine, if necessary, so as to avoid inadmissibly heavy vibrations of the crankshaft when passing through the critical speed ranges. 가. A flywheel 나. A thrust bearing 사. A tacho-meter 아. A whatin damper

	■ inadmissibly : 허용할 수 없는	
375		undergo a minimum of () survey during construction certificate in accordance with the envention.
	가. one annual 나. one intermediat ·해설· ■ intermediate : 임시	e 사. one unscheduled 아. one special
376		s through (). It is the only link between the piston pins are sometimes locked in the piston
	가. the piston pin 나. the piston crov	까 사. the crosshead 아. the crankshaft
377	"A급 구획은 1시간의 표준화재 시험이 종료할 때 제조되어야 한다."를 영문으로 옮길 때 (내까지 연기 및 화염의 통과를 방지 할 수 있도록) 속에 적합한 것은?
	The class A () shall be so construct of smoke and flame to the end of the construction.	
	가. bulkhead, prevention 사. division, prevention ·해설· • bulkhead : 격벽	나. bulkhead, preventing 아. division, preventing
378	It is essential ($\textcircled{1}$) the inlet and exhaust valve moment in relation to the position of the ($\textcircled{2}$ running in phase with the ($\textcircled{3}$).	res to open and close exactly at the appropriate). Therefore they are actuated by a camshaft
378	moment in relation to the position of the (2 running in phase with the (3). 7. 1 to, 2 valve, 3 crankshaft). Therefore they are actuated by a camshaft 나. ① in, ② piston, ③ engine
378	moment in relation to the position of the ($\ensuremath{\mathbb{Z}}$ running in phase with the ($\ensuremath{\mathbb{G}}$).). Therefore they are actuated by a camshaft
378 379	moment in relation to the position of the (②running in phase with the (③). プト. ① to, ② valve, ③ crankshaft ペト. ① for, ② piston, ③ crankshaft The purpose of () is to scrape off most). Therefore they are actuated by a camshaft 나. ① in, ② piston, ③ engine
	moment in relation to the position of the (② running in phase with the (③). 7. ① to, ② valve, ③ crankshaft A. ① for, ② piston, ③ crankshaft The purpose of () is to scrape off most crank shaft and connecting rod in order to burnt in the combustion chamber. 7. top ring). Therefore they are actuated by a camshaft 나. ① in, ② piston, ③ engine 아. ① with, ② valve, ③ piston of the lubricating oil splashed upward by the reduce the amount of oil carried upward and 나. compression rings
	moment in relation to the position of the (② running in phase with the (③). 7. ① to,② valve,③ crankshaft 八. ① for,② piston,③ crankshaft The purpose of () is to scrape off most crank shaft and connecting rod in order to burnt in the combustion chamber.). Therefore they are actuated by a camshaft 나. ① in, ② piston, ③ engine 아. ① with, ② valve, ③ piston of the lubricating oil splashed upward by the reduce the amount of oil carried upward and

·해설·

■splash: ~을 튀기다

380	"본인은 거룻배 및 예약	인선의 소유자가 본건 ፲	피해의 책임을 져야 한	다고 믿고 있습니다."
	"I () the owne	rs of the lighter and	tug boat () the (damage sustained."
	가. exempt, responsible		나. exempt, responsibl	
381	"다음 품목의 주문서를 년 으로 옮길 때 ()이		선으로 납품하여 주시면	고맙겠습니다."를 영문
		g you an order of the on board by March {		ods, and shall be (
	가. are pleased to, g 사. have the pleasure		나. are pleased, gla 아. have the pleas	
382	Which of the following	ing is correct in dock	ing order?	
	2 Commenced to I3 A dockmaster ca dock.4 Commenced to I	ry dock entrance and plet water into the dry me on board and the soump out water of the course of th	dock and vessel fl ship was towed by tw e dock.	oated. vo tugs toward the
383	Officers in charge of an etion of the chief engineer space during their pe	er officer, when required	d, shall be physically (
	가. present	나. watch	사. stand	아. keep
384	Free-fall () is the range of a free-fall lifeboar	ate of change of velocity	experienced by the occ	upants during launching
	가. height ·해설· ■ free—fall : 자유낙하 / occu	나. weight upants : 거주자 / launching :	사. acceleration (보트를)물에 띄우다, 진수/	아. velocity 시키다 / acceleration : 가속

385 Length of the ship is the length measured between () taken at the extremities of the deepest subdivison load line in accordance with the provision of the SOLAS'74 convention.
가. perpendiculars 나. frames 사. draughts 아. freeboard
·해설· • extremities : 끝, 선단 / subdivison : 세분 / load line = water line / perpendiculars : 수직의
386 "비상전원은 최상층 전통갑판위 및 충돌격벽의 후방에 위치하여야 한다."를 영문으로 옮길 때 ()에 알맞은 것은?
"The emergency source of electrical power shall be located above () and backward of ()."
7). the uppermost continuous deck, the collision bulkhead
나. the uppermost open deck, the collision bulkhead
A). the uppermost continuous deck, the watertight bulkhead
ी. the uppermost open deck, the watertight bulkhead
387 If carbon dioxide has been discharged to extinguish or prevent a fire, the () content will be reduced in the affected space.
가. hydrocarbon 나. hydrogen 사. carbon dioxide 아. oxygen
388 Power factor, by definition, is the () of the active power to the apparent power.
가. product 나. minus 사. ratio 아. sum
■ definition : 정의 / apparent : 눈에 보이는, 분명한 / apparent power : 겉보기 힘
389 According to the MARPOL 73/78 Convention as amended, () of discharge of oil content means the rate of discharge of oil in litres per hour at any instant divided by the speed of the ship in knots at the same instant.
가. instantaneous quantity 나. instantaneous rate
사. persistant quantity 아. persistant rate
·해설· Instantaneous rate of discharge : 순간배출율
390 Adjusted () of fuel oil valve to 300 [kg/cm ²].
가. injection pressure 나. atomization 사. viscosity 아. penetration

391 Wiper, Kim () duty, being sick.		
가. on	나. off	사. out	아. in
tonnage and above of the ship's off	ical logbook according to	shall be provided with o MARPOL 73/78 C	an oil record book as part convention.
가. 200	나. 300	사. 400	아. 500
	리 제 Ⅱ-1장 26규칙에 의거 록 설치 되어야 한다."를		·조원에 대한 위험을 최소한 ()에 알맞은 것은?
"The machine danger to person Convention."			tuce to a minimum any ter II-1 in the SOLAS
가. shall, in ac	cordance to	나. shall, in ac	ccordance with
사. will, in acc	ordance with	ी. will, in acc	cordance to
∙ ਗੋਂ ⊴ ∙ ■ in accordance wit	h:~에 따라서, ~와 일치하ㅇ	1	
or any oil contamin		gislation relating to oil	imping out bilges, oil tanks pollution is becoming more
가. Oil spill ren	novement	나. Waste oil in	ncinerator
사. Bilge separa	tor	아. Oil pollution	simulator
·해설· ■ ensure : ~을 책임	지다, 보증하다		
	generator is a vacuum eva		nally using () from the
가. the waste h	eat, heating medium	나. the waste	heat, cooling medium
사. the latent h	eat, heating medium	ी. the latent	heat, cooling medium
396 The Chief Engine Department.	er is responsible for the s	hip's engines. He is () charge of the Engine
가. at	나. to	사. off	아. in

397		n amount of fuel to be injected according to actual engine () does not exceed recommended leve 나. overspeed 아. scavenge air pressure
398	in the steam system, or by manua	normal. Then, by means of the thermostatic valual control of the viscosity regulator, the diesel oil gulate the preheating so as to give a temperature ri
	가. 1/2, 2 나. 2/3, 5 ·해설· • so as to~:~하도록	사. 3/4, 2 아. full, 5
399		tween the displacement of a ship in water of a speci e corresponding to the assigned summer freeboard a
	가. Deadweight	나. Gross tonnage
	사. Net tonnage	ी. Displacement weight
	·해설· • deadweight : 중량 / gross tonnage : 총	톤수 / net tonnage : 순톤수
400	have been subjected to abnormally	and other rubber/plastic—based sealing materials which temperatures. These materials may have a (y. The gloves should be made of neoprene or PV 가. clogging 아. side
401		는안으로 예약 하겠습니다."를 영문으로 옮길 때 ()

) initially (

) 14 to 15 days."

나. book, for the period of

ે. book, by the period of

·해설·

"The dry dock should (

가. be booked, for the period of 가. be booked, by the period of

■in charge of: ~을 맡은

	With stopped engine, blow—by can be located through the (). Piston and cylinder by		
	가. fuel valve hole	나. cylinder lubricato	r hole
	사. scavenge air ports	아. test cock	
	The most important part of the frame of any ().	ship is the bottom cent	erline, known as the
	가. rake 나. superstructure ·해설· • rake : 경사 / hull : 선체 / keel : 용골	사. hull	아. keel
404	() is inserted in the liquid line between rein the refrigerant.	eceiver and evaporator fo	or removing moisture
	가. Dehydrator 나. Trap ·해설· ■ Dehydrator : 건조기, 건조제	사. Condenser	아. Strainer
	In accordance with the SOLAS 74/78 Convention to ensure the application of measures on board, cargo, cargo transport units, ship's stolericident.	ard the ship designed to	protect persons on
	가. garbage management plan 사. shipboard oil pollution emergency pla	나. port facility secon n 아. ship security pl	_
	In accordance with the 1978 STCW 78 Conventuation duty as officer in charge of a watch or as a rate a minimum of () hours of rest in an	ing forming part of a wa	tch shall be provided
	가. 10, 24 나. 8, 24	사. 10, 12	아. 8, 12
407	() are those used for public spaces, corrid similar spaces.	dors, cabins, offices, pan	tries and lockers and
	가. Control spaces	나. Accommodation s	spaces
	사. Public spaces	ी. Service spaces	
	·해설· • corridors : 복도		

408 The () is found in a natural state beneficing periods of time by decayed organic mapressures found within the earth's cru	atter, subjected to the high temperatures and
가. diesel oil 나. crude oil	사. gasoline 아. kerosene
409 In accordance with the SOLAS 74/78 Converged to restart automatically when properties of the second sec	power is restored after a power failure.
410 According to the MARPOL 73/78 Convention a engaged in the trade of carrying oil (as amended, product carrier means an oil tanker) crude oil.
가. including	나. such as
사. for instance	아. other than
·해설· ■ product carrier : 석유제품 / such as : ~과 같은 / for : ~을 제외한	instance : 예를 들어 이를테면 / other than ~ : ~이외의,
411 According to the SOLAS 74/78 Convention as a all which neither burns nor () flammable vapole heated to approximately $750^{\circ}\mathrm{C}$.	amended, non-combustible material is a materi- oours in sufficient quantity for self-ignition when
가. gives off 나. gives over	사. puts over 아. puts off
·해설· ■ gives off : 방출하다, 발하다 / gives over : 그만두다 / pu	ts over : 호평을 받게 하다 / puts off : 제거하다, 옷을 벗다
412 "Faced up spare air starting valves for l	M/E." 밑줄친 부분과 같은 뜻을 가진 것은?
가. Checked 나. Found	사. Lapped 아. Welded
413 Adjusted injection () to 300[kg/cm²	² 1.
가. temperature 나. liquid	사. pressure 아. level
414 "Adjusted regulating handle of fuel oil to 1	30(rpm)."의 문장에서 괄호의 "rpm" 약자는?
가. revolutions per minute	나. revolutions part minute
사. revolutions per month	o). rotor per month
1. 1 d. d. d. d. A.	,. oto- p

415 Inspected all workin 가. renewed it	g parts in crankcase, fo 나. took out it		
416 When is the most 가. lining up the sy 사. disconnecting h		나. topping off	
	es () is determined to a particular temperat 나. viscosity	ure to flow through	a standard orifice.
418 Main bearings may be the bearing caps. 7. metal		noving () or grindin 사. bearing cover	
as a(an) ().	s arranged to separate to separate impurities are	nd small amounts of wa	ter from oil it is known
420 The oil record book at all reasonable time made.	shall be kept in such a perserved for a per	_	_
가. two	나. three	사. four	아. five
421 The ship sank a n			
가. away	나. on	사. off	ी. at
나. Inter-governme 사. International M	and for? ental Marine Organizate ental Maritime Organiz erchant Marine Organ aritime Organization	zation	

423 "Stopped cargo w	ork owing to () trouble."에서 ()속에 적합한 것은?
가. crane	나. windlass	사. anchor	아. telegraph
As the pressure fall liquid, so causing 가. ① evaporating 나. ① solenoid va 사. ① condenser,	s some of the liquid a fall in temperat	I flashes off, taking its oure. eat of evaporation refrigerant of refrigerant	e falls at constant enthalpy. (②) from the surrounding
195 A pine with a numb	ver of inlots or outle	to from the coveral evili	nders of an engine is ().
/f. macninery	다. plant	사. manifold	of. unit
().			nation of elastic materials is chanics of fluid mechanics
427 The defining feature gases acting direct			ormed by the expanding hot
가. external comb	ustion engine	나. marine bo	iler
사. steam turbine	engine	아. internal co	ombustion engine
level. Use a "total ba Use higher TBN o 가. ash	se number"(TBN) coils in the event courself. salt		oil with a high detergency ll normally give good results. t in the fuel oil.
429 Before engaging the are open.	turning gear, check	that the () supply is	shut off, and that the ()
가. lubricating oil,	exhaust valves	나. cooling fi	esh water, fuel valves
사. starting air, ir	ndicator cocks	아. fuel oil, i	intake valves

430	Between the extremes	of conductors and insul	ators are a group of ele	ements known as ().
	가. semiconductors	나. metals	사. plastics	٥٠. electricity
	·해설·			
	■ semiconductors : 반도체			
431	The detector will give	alarm and slow-down :	at a mist () which	is only a fraction of the
101				ition of the oil mist can
	take place.			
	가. combustion	나. concentration	사. evaporation	े. condensation
432	If an empty tank has be tank ().	oeen left sealed for a lo	ong time, the oxygen o	content of the air in the
	가. will be increased	1	나. will be reduce	d
	사. can not be chang	ged	ी. may be increas	sed or reduced
433	There are two types of	of () in general use	e; the displacement or	reciprocation type, and
	the centrifugal type.			
	가. pumps	나. motors	사. engine	아. valves
434	Adjusted regulating	handle of () to	average RPM 150.	
	가. F.O.	나. L.O.	사. F.W.	아. S.W.
435	"선박과 선박의 설비	"를 영문으로 표기할	때 ()에 알맞은	것은?
	"Ship and ()	is fittings."		
	가. my	나. his	사. her	्रे. she
436				nition. During this period
	_			unding charge of com-
	pressed air, begin to			
	가. rapid combustion		나. steady burning	=
	사. after burning per	TIOU	ै. ignition delay	period
437	If there are () grou	nds to bolions that the	chin is in violation of th	is Convention, a through
401	mancreare () \$100	ing in peneke mar me :	эгир 19 иг мончион он ин	is convenion, a unough

inspection may be carried out taking into account guidelines developed by the Organization.

	가. clear	나. back	사. safe	ी. doubtful
438	Every lifebuoy shall hav		not more than () mm	and an inner diameter
	가. 600, 200		사. 200, 600	아. 400, 800
439	"주기의 연료 펌프를	· 개방 점검할 것"을 약	영문으로 옮길 때 ()에 알맞은 것은?
	"Fuel pumps of m	nain engine ()."		
	가. overhauled	나. to overhauled	사. to be overhaule	ed of. being overhaul
440	an outlet temperature which indicates the ex Recommended viscos	of up to 150°C will be pected preheating temp sity meter setting is		strated in the diagram the fuel oil viscosity.
	가. 0 — 5	나. 10 - 15	사. 20 — 30	아. 40 - 50
441			oital () of append 사. because	
442	If the alarm on the	fixed CO ₂ system se	ounds in the E/R, you	ı should ().
	가. leave the space	immediately	나. start the fire j	pump
	사. make sure CO ₂	starts flowing	ी. close watertig	ht door
443	() means an observa		ective evidence indicates	the non-fulfilment of
	가. Observation		나. Objective eviden	ice
	사. Non-conformity		ी. Administration	
444	"2등 기관사가 연료유	- 계량에 종사했다."를	영문으로 옮길 때 () 속에 적합한 말은?
	"2nd engineer eng	gaged in () F.O."		
	가. receiving	나. repairing	사. tallying	े. renewing

445	The crankshaft is of a is fitted with a cour	alloyed steel forging. To ater-weight.	o give better dynamic	balancing, each ()
	가. lever	나. web	사. journal	ी. crank pin
446		ignition delay		
447	Every automated sy 가. demand display 사. back-up system	estem should have a	() manually con 나. feed back 아. monitoring sys	
448	수 있는 수단을 강구 "() shall be probe sustained or res ()."	마 작동불능이 된 경우에도 하여야 한다."를 영문으 ovided whereby norma stored even though or	으로 옮길 때 ()어 al operation of propul ne of the essential a	lsion machinery can auxiliaries becomes
	가. Methods, inoperation. 사. Methods, operation.		나. Means, inopera 아. Means, operati	
449	"정지! 기름이 조금 "Stop! Oil is (새고 있습니다."를 영든 	군으로 옮길 때 () 속에 적합한 말은?
	7. resisting		사. spilling	아. charging
450		씨 750℃ 정도로 가열한 ¤ 지 않는 재료를 말한다.'	–	
		material is a material nt quantity for ()		
	가. gives out, self— 사. gives out, spark		나. gives off, sel 사. gives off, spa	_

	he joints." 밑줄 친 부분과 같은 뜻을 가진 것은?
가. cleaned	나. concealed
사. blew off	ት. blocked with stopper
452 Keep clear of space () crane with	load.
가. on 나. by	사. up 아. below
453 The () of winch to be checked fo 가. sheaves 나. lever pin	
454 "당직 중에 피스톤의 냉각유 출구온도를 65°C 알맞은 것은?	C로 유지하였음"을 영문으로 표기할 때 ()에
"Kept piston cooling oil () temp	. to 65℃ during watch."
가. inlet 나. onlet	사. outlet 아. door
455 "양묘기는 선수에 위치한다."를 영문으로	. 옮길 때 () 속에 적합한 용어는?
"The () is located in the bow o	f a ship."
가. winch 나. windlass	사. hauler 아. anchor
456 다음 단어들이 잘못 짝지어진 것은?	
456 다음 단어들이 잘못 짝지어진 것은? 가. IMS Code - International Safety M	Ianagement Code
가. IMS Code — International Safety N	
가. IMS Code — International Safety M 나. ISPS Code — International Security	and Pollution Survey Code
가. IMS Code — International Safety N 나. ISPS Code — International Security 사. PSC — Port State Control 아. IOPP Cert. — International Oil Polls ·해설· •ISPS Code란 "International Ship and port Facility Sec	and Pollution Survey Code ution Prevention Certificate urity Code"의 약자로 "국제 선박 및 항만시설 보안 코드"를 한 해상화물 운송선박 및 항만시설에 대한 해상 테러 가능성을
가. IMS Code — International Safety N 나. ISPS Code — International Security 사. PSC — Port State Control 아. IOPP Cert. — International Oil Polls ·해설· ISPS Code란 "International Ship and port Facility Sec 말하며, 2001. 9. 11 테러 이후 LNG 및 LPG 등을 포함한	and Pollution Survey Code ution Prevention Certificate urity Code"의 약자로 "국제 선박 및 항만시설 보안 코드"를 한 해상화물 운송선박 및 항만시설에 대한 해상 테러 가능성을 .S에 추가하기 위함.
가. IMS Code — International Safety N나. ISPS Code — International Security 사. PSC — Port State Control 아. IOPP Cert. — International Oil Polluting. ISPS Code란 "International Ship and port Facility Sec 말하며, 2001. 9. 11 테러 이후 LNG 및 LPG 등을 포함한 대비하기 위한 해상분야 보안 강화 규정을 SOLA	and Pollution Survey Code ution Prevention Certificate urity Code"의 약자로 "국제 선박 및 항만시설 보안 코드"를 한 해상화물 운송선박 및 항만시설에 대한 해상 테러 가능성을 .S에 추가하기 위함. 나장 적당한 어휘는?

1	가	52	가	103	사	154	가	205	가	256	아	307	나	358	가	409	가
2	가	53	가	104	나	155	사	206	나	257	아	308	사	359	사	410	0}-
3	가	54	사	105	o}-	156	나	207	가	258	가	309	나	360	나	411	가
4	나	55	가	106	가	157	사	208	아	259	가	310	사	361	나	412	사
5	나	56	사	107	나	158	사	209	나	260	사	311	나	362	가	413	사
6	나	57	사	108	나	159	사	210	가	261	사	312	나	363	사	414	가
7	가	58	가	109	나	160	가	211	o}-	262	o}-	313	나	364	사	415	사
8	아	59	아	110	o}-	161	사	212	가	263	나	314	사	365	가	416	나
9	가	60	나	111	나	162	나	213	나	264	나	315	가	366	아	417	나
10	나	61	사	112	나	163	가	214	사	265	사	316	사	367	가	418	아
11	가	62	사	113	가	164	나	215	사	266	사	317	아	368	아	419	사
12	가	63	가	114	나	165	사	216	0}-	267	가	318	0}-	369	4	420	나
13	가	64	가	115	가	166	나	217	가	268	가	319	가	370	4	421	사
14	가	65	아	116	가	167	사	218	0}-	269	가	320	사	371	0}	422	0}-
15	나	66	사	117	사	168	가	219	사	270	나	321	사	372	사	423	가
16	나	67	아	118	사	169	사	220	6}-	271	나	322	나	373	나	424	6}-
17	나	68	나	119	나	170	가	221	가	272	가	323	사	374	아	425	사
18	사	69	가	120	나	171	사	222	가	273	사	324	나	375	나	426	사
19	사	70	사	121	사	172	가	223	아	274	가	325	아	376	가	427	0}-
20	사	71	가	122	가	173	나	224	나	275	가	326	아	377	아	428	사
21	아	72	아	123	가	174	나	225	6}-	276	사	327	사	378	사	429	사
22	아	73	가	124	사	175	나	226	6}-	277	사	328	사	379	사	430	가
23	아	74	가	125	나	176	나	227	아	278	나	329	사	380	사	431	나
24	가	75	사	126	나	177	아}-	228	사	279	나	330	사	381	사	432	나
25	사	76	사	127	나	178	가	229	가	280	사	331	가	382	나	433	가
26	사	77	사	128	나	179	가	230	나	281	가	332	나	383	가	434	가
27	사	78	사	129	아	180	가	231	나	282	나	333	사	384	사	435	사
28	나	79	가	130	나	181	가	232	아}-	283	아	334	가	385	가	436	아
29	사	80	나	131	사	182	사	233	사	284	나	335	나	386	가	437	가
30	아	81	가	132	가	183	사	234	가	285	가	336	나	387	아	438	나
31	나	82	아	133	아	184	나	235	가	286	아	337	가	388	사	439	사
32	사	83	나	134	나	185	가	236	사	287	아	338	사	389	나	440	나
33	아	84	나	135	가	186	아	237	가	288	아	339	가	390	가	441	사
34	아	85	가	136	나	187	가	238	사	289	가	340	나	391	나	442	가
35	나	86	가	137	가	188	사	239	아	290	나	341	나	392	사	443	사
36	나	87	아	138	나	189	사	240	가	291	가	342	가	393	나	444	사
37	사	88	가	139	나	190	사	241	사	292	나	343	가	394	사	445	나
38	가	89	사	140	가	191	나	242	가	293	사	344	사	395	가	446	사
39	아	90	٥}-	141	사	192	나	243	사	294	사 기	345	사	396	아} -기	447	사
40	o}-	91	사	142	가	193	가	244	아	295	가	346	가	397	가	448	나
41	나	92	나	143	사	194	나	245	아	296	가	347	나	398	사	449	사
42	가	93	나	144	아	195	아	246	사	297	가	348	나	399	가	450	나
43	사	94	아	145	나	196	사	247	아	298	사	349	나	400	가	451	아
44	아 나	95	나 기	146	나	197	사	248	나	299	사	350	사 키	401	가 al	452	아
45	나 나	96 97	가	147	나	198	아 사	249	나	300	아 기	351	가 al	402	사	453	가 al
46	· 나		상	148	나 기	199	사 고	250	나 기	301	가 나	352	사 al	403	아 고	454	사 1 l
47 48	나 나	98 99	사 아	149 150	가 사	200 201	가 나	251 252	가 나	302 303	아	353 354	사 가	404 405	가 아	455 456	나 나
48	아	100	나	150	사	201	사	253	아	304	가	355	나	405	가	457	사
50	사	100	아	151	사	202	사	253 254	나	304	가 가	356	사	406	나	437	^r
51	^r 사	101	사	153	나	203	사	255	나	306	가	357	사	407	나		
	'''	102		100	-1	204	- 1	200	-1	- 500	<u> </u>	-001	- 1	400	-1		