GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
1	What is the part marked with the square called?		A lifeboat fall.	A lifeboat painter.	A lifeboat davit.	A lifeboat catcher.
2	What type of boat is in this picture?		An open freefall lifeboat.	A fast rescue boat.	A liferaft.	A totally enclosed lifeboat.
3	Which of these has to be included in an abandon ship drill according to SOLAS regulations?		Launching & recovery of a survival craft.	Starting and operating radio life-saving appliances.	Checking that life-jackets are correctly donned.	Manoeuvering the lifeboat in the water.
4	Which of these requirements, regarding the launching and recovery arrangements for survival craft, corresponds to the SOLAS regulations?		Means shall be available to prevent any discharge of water on to survival craft during abandonment.	Each lifeboat shall be provided with separate appliances that are capable of launching and recovering the lifeboat.	Launching and recovery arrangements shall be such that the operator at all times can observe the survival craft and life boat.	Different type of launching and recovery arrangements shall be used for similar survival craft on board the ship.
5	What is the main advantage of a davit launched liferaft compared to the throw-over type?		It is quicker to launch.	It is stronger then the throw overboard type.	It contains more equipment then the throw overboard type.	It allows the occupants to board without getting wet.
6	Which one of the following statements regarding life-buoys does not correspond to present SOLAS regulations?		All lifebuoys shall be placed in a holder with a quick release arrangement.	At least one lifebuoy on each side of ship shall be fitted with a buoyant lifeline.	Not less than half the total number of lifebuoys shall be fitted with a buoyant light.	At least one lifebuoy shall be placed within the vicinity of the stern.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
7	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct use of navigational equipment for survival craft.	Correct use of on-board communication equipment.	Correct use of survival craft facilities in order to survive.	Correct use of oars and other propulsion equipment for survival craft.
8	Which of these requirements regarding abandon ship drills corresponds to the SOLAS regulations?		Drills shall be conducted when the ship is in harbour.	Each lifeboat shall be launched with its assigned crew, and manoeuvered in the water at least once every three months.	For ships on short international voyages, each lifeboat shall be launched and manoeuvered in water at least every six months.	All lifeboats shall be lowered during drills.
9	Which of these requirements regarding lifebuoys corresponds to the SOLAS regulations?		If fitted with light or smoke signal, it must have a mass less than 4 kgs.	It must have a mass greater than 2.5 kgs.	It must be constructed of inherently buoyant material.	It must have sufficient air.
10	What is a "Rescue Sub-Centre" (R.S.C.)?		A centre for underwater search and rescue operation.	A national search and rescue centre subordinate to an international search and rescue co-ordinating centre.	A centre established to assist the main national rescue centre.	A unit subordinate to a rescue co-ordinating centre.
11	What is a "Rescue Unit" (RU)?		A unit composed of trained personnel suitably equipped for expeditious search and rescue.	A unit ready for search and rescue operations at sea at any time of the day.	A permanently manned rescue vessel.	A unit specializing in search and rescue operations at sea.
12	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct use of navigational equipment for survival craft.	Correct use of surface to air visual signals by survivors.	Correct use of ship's line throwing apparatus.	Correct use of escape routes and other escape methods.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
13	Which of these items has to be included in a distress message?		Ship's last port of call.	Weather in the immediate vicinity.	Ship's identification.	Ship's destination.
14	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct use of communication equipment.	Correct donning of life-jackets.	Correct donning of protective clothing.	Correct use of oars and sails for survival craft.
15	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct donning of fire protective clothing.	Correct use of oars and sails for survival craft.	Correct boarding, launching and clearing of survival craft and rescue craft.	Correct method of revival of casualties.
16	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct method of release of survival craft from launching appliances.	Correct donning of fire protective clothing.	Correct method for use of the on-board communication system.	Correct use of oars in survival craft.
17	Which of these requirements regarding the launching and recovery arrangements for rescue boats corresponds to the SOLAS regulations?		The release mechanism shall be of an automatic type approved by the Flag State Administration.	Rapid recovery shall be possible with the boat's full complement of persons and equipment.	Embarkation and launching arrangements shall be such that the rescue boat can be boarded and launched in less than 5 minutes.	Launching shall be possible with a headway speed of up to 5 knots in heavy weather.
18	What is a SART?		Semi Automatic Rescue Transmitter.	Search And Rescue Transponder.	Satellite Activated Rescue Telephone.	Systematic Advised Rescue Tracker.
19	What do the letters E.P.I.R.B. stand for?		Enhanced Plotted Information Radio Broadcast.	Emergency Position Indicating Radio Beacon.	Extremely Powerful Immersed Rescue Boat.	Electronic Precision Illuminated Radar Buoy.
20	Using spoken radio communication, what is the code word used to indicate a distress message?		MAYDAY.	S.O.S.	URGENT.	PRIORITY.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
	PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS					
21	What is the part of the lifeboat indicated by the arrows?		The fall.	The gripe.	The on-load release.	The bowsing in tackle.
22	The ship's training manual must contain instructions and information on the life-saving appliances carried onboard. Which of these duties must also be included?		Correct donning of fire protective clothing.	Correct use of on-board communication equipment.	Correct use of oars and other propulsion equipment for survival craft.	Correct use of sea-anchors (drogues).
23	At least how often should rescue boats be launched with their assigned crew aboard and manoeuvered in the water?		Every week.	Every month.	Every two weeks.	Every three months.
24	What does this sign mean?		Lower lifeboat to water.	Automatic release.	Lifeboat embarkation point.	Release gripes.
25	What does this sign mean?		Release brake.	Start engine.	Lower lifeboat.	Alter course.
26	What does this sign mean?		A heliograph.	A radar transponder beacon.	An emergency transceiver.	An Emergency Position Indicating Radio Beacon (EPIRB).

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
27	What part is shown by letter D?		The gripes.	The brake.	The fall block.	The bowsing tackle.
28	What does this sign mean?		Release gripes.	Release falls.	Let go lifeboat.	Secure painter.
29	The fall block on a lifeboat is capable of on-load release, what does this mean?		The lifeboat can only be released from the falls when it is in the water.	The lifeboat will automatically float free if the ship sinks.	There is a safety device built into the block that does not let it release until after the other block has been released.	The lifeboat can be released from the falls before it enters the water.
30	What should you do if you cannot find a Manufacturer's Manual for the lifeboat release system?		Inform the Master or Ship's Safety Officer and get on with the work in the meantime.	Inform the Master or Ship's Safety Officer and wait until the manual is available before starting work.	Discuss with other staff what needs to be done and then start work.	Try to figure it out on your own as it is not so complicated at all.
31	In an emergency situation is it a good idea to jump overboard and swim towards a launched lifeboat?		When you see a boat in the water you should quickly jump into the sea to be picked up.	A group of persons should jump together and then assist each other once in the water.	Only seafarers trained in survival techniques should jump into the water.	As a general rule, don't jump into the sea.
32	How can you check that the hook tail is in correct alignment with the cam when the hook is in its closed position?		The hook is vertical	The release handle is in its locked position	The notches in the end of the camshaft and the cover strap are aligned within plus or minus 5°	The release handle is in its locked position and the hook is vertical

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
33	Seafarer A says that weather conditions are not important during hanging-off a life boat. Seafarer B says that hanging-off a lifeboat should only be done in good weather conditions. Who is right?		Seafarer A	Seafarer B	Both seafarers	Neither seafarer
34	What must evacuees do just before boarding an inflatable liferaft?		Call the bridge and ask permission to board.	Have a meal to sustain them during difficult conditions onboard the raft.	Make sure that the raft is inflated.	Remove their footwear.
35	What could possibly prevent the aft hook from releasing?		A seized flexible steel cable	Faulty hydraulics	The hydrostatic interlock lever	Vessels power failure
36	What is the "ABANDON SHIP" signal?		Seven or more blasts followed by one long blast on the ship's whistle or siren.	The continuous ringing of bells or klaxons throughout the ship.	A command given only by the Master or his deputy.	A command given by the Safety Officer on board.
37	The 1st Engineer says: if a hook shows signs of excessive wear, it can be built up to return to the correct clearances. The Chief Engineer says: worn hooks should always be replaced with new genuine parts. Who is correct?		The 1st Engineer	The Chief Engineer	Neither of them	Both of them
38	What is the most important aspect to consider when recovering the lifeboat?		Avoid swinging the lifeboat on to the ship's rudder.	Make sure not to endanger personnel.	Remember to switch off the engine.	Post a lookout at the stern.
39	What is a "Thermal Protective Aid" (TPA)?		It is an immersion suit worn by the rescue boat crew members.	It is thermal underwear for use by boat crews in cold climates. It serves to maintain body temperature.	It is a first aid kit.	It's a waterproof cover enclosing a person to reduce heat loss from the wearer's body.
40	What is the correct position of the cocking lever of a Mills-TITAN hook?		Lowest position	Middle position	Highest position	Does not matter, all postions are acceptable
41	What is the purpose of the "CANOPY" over the inflatable liferaft?		It is designed as a safety net to jump onto for rapid embarkation.	Its main purpose is to provide strength to the design of the raft.	It is designed to give protection against exposure.	It provides additional space for evacuees.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
42	Accidents have occurred because the lifeboat On/Off Load Release Mechanism was improperly reset when last used. What action must be taken to avoid such an accident from happening? State the action that does NOT belong.		Make yourself fully aware of the paint coating required and grease all moving parts.	Check the manufacturer's handbook on proper use of the mechanism.	Make yourself fully aware of the correct procedures.	Make yourself fully aware of the safety checks.
43	What is the name given to the person in the control position of a totally enclosed lifeboat?		Coxswain.	Helmsman.	Officer in Charge.	Able Seaman.
44	What is the "muster list"?		A list that specifies details of general emergency alarm, action to be taken by the crew, and specifies how the order to abandon ship will be given	A crew list prepared prior to arrival in port giving full details of all persons on board.	A list which specifies the environmental protection and emergency duties of the senior officers on board ship.	A list which specifies victualling requirements for the forthcoming voyage.
45	Vessels may be equipped with different types of lifeboat. What is the crucial aspect that all types of lifeboat have in common?		The workmanship and materials used in construction.	The regulatory instructions for on-board maintenance of life-saving appliances.	The type of equipment found in the boat.	The method of launching from the mother vessel.
46	Marine evacuation systems also offer "dry-shod" boarding of an inflatable survival craft. How many persons are required to deploy such a system?		1	2	3	4
47	You have found a flexible steel cable with its outer sheath damaged and decide to replace it with a new one. Where would you obtain the new cable?		Cable suppliers	General ships chandlers	The manufacturer of the release hooks	Any supplier with experience from similar steel cables
48	If you have to abandon ship what type of clothing is best?		Dress lightly so that you can move about un-hindered by heavy clothing.	Put on extra clothing, preferably with a waterproof layer on top.	It makes no difference what you wear.	Clothing makes no difference as long as you don't wear heavy boots!

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
49	What is a survival craft?		A craft capable of sustaining the lives of persons in distress from the time of abandoning ship.	A lifeboat launched from a shore-based station.	The art of survival.	Only the ship itself can be considered as a survival craft.
50	What is the drogue used for?		It is used as a sea-anchor and must be supplied with a shock resistant hawser and a tripping line.	As a heater to keep the occupants of the lifesaving appliance warm.	As a painter (mooring line) to stay alongside the ship during embarkation.	As a braking device during lowering of the boat/rafts.
51	What is the first thing you should do before hanging a lifeboat off its davits?		Read the manufacturer's instructions	Assemble all the tools you'll need for the inspection	Attach the auxiliary cables to the main release hooks	Make sure the drill supervisor is present
52	The immersion suit is provided with a rescue loop. What is it designed for?		It is intended for pulling the wearer alongside the rescue boat.	It is designed for attaching to a helicopter's rescue hook.	It is used for keeping survivors together in the water and preventing them from drifting apart.	It is only used for storage and keeps the suits ready for immediate use.
53	What is the SOLAS Training Manual?		A manual containing instructions to watch-keepers for the maintenance of correct navigation and engine room procedures.	A training manual used on board passenger ships by the hotel staff.	A manual containing instructions and information on the life-saving appliances provided, and on the best method of survival.	A manual giving details to newly joined crewmembers about embarkation arrangements on Ro-Ro ferries.
54	What is the SOLAS Convention?		The "Voluntary Code for Safety Of Life At Sea"	The "International Convention for the Safety of Life at Sea."	The "Convention on Life Saving Appliances."	The "International Life Saving Appliance Code."
55	Under the SOLAS regulations, how often must each life-saving appliance be inspected to ensure that they are complete and in good order?		Weekly.	Daily.	Annually.	Monthly.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
56	Why must the boat's coxswain make it clear to everyone that s/he is in charge?		To preserve food and drinking water.	To ensure that her/his seat in the boat is reserved.	To establish proper leadership which is vital in any survival situation.	The coxswain should maintain a low profile and stick to her/his job of steering the boat.
57	Under the SOLAS regulations most ships have to carry a designated rescue boat which must be in a continuous state of readiness. What is the maximum amount of time the regulations allow for launching?		One minute.	Five minutes.	Ten minutes.	Fifteen minutes.
58	Where on board would you look for the muster list?		The muster list must be displayed in your cabin, and you must sign it to show you have understood the instructions on it.	The muster list must be given to you immediately after joining your ship.	The muster list should be displayed at the boarding gangway.	Muster lists must be put up in prominent places throughout the ship, including the navigation bridge, engine room and crew accommodation spaces.
59	SOLAS requires that the lifeboat and the launching arrangements should be checked:		daily.	weekly.	every two weeks.	monthly.
60	Which of the following items should you take on board a freefall lifeboat with you?		Something to read	Additional clothing	Personal property	Nothing unless given specific instructions to do so
61	What transfers the motion of the release handle inside the boat to the hook's release mechanism?		A flexible steel cable	Hydraulics	Electrical solenoids	Strong ropes
62	The adult occupants of a lifeboat must:		sit as low as possible in the boat.	lie down at the bottom of the boat.	sit as high as possible in the boat.	refrain from talking to each other.
63	When hanging off on pendants, what is the essential safety check you must make before releasing the normal falls?		That the normal falls are tight	That the hanging-off pendants and rings are slack	That the normal falls are slack and hanging-off pendants and rings are tight	That the normal falls are tight and hanging-off pendants and rings are slack
64	What should be done before holding a lifeboat drill?		Read the SOLAS regulations thoroughly.	Brief the persons attending the drill.	Discuss the plan at the monthly safety meeting.	Check the lifeboats and their release gear thoroughly.
65	Where is the best place to inspect the diaphragm of a hydrostatic unit?		When the lifeboat is afloat	With the lifeboat hung off davits	Either at sea or hung off davits	When at dry dock

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
	PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS					
66	Regular abandon ship drills must be carried out by all ships over:		250 GT	400 GT	500 GT	1000 GT
67	The officer directing a helicopter landing on a ship must be properly trained to give the correct visual signals. What position should the officer take up with reference to the helicopter?		They must direct from a position to leeward of the helicopter.	They must direct from the highest point on bridge structure of his vessel.	They must direct from a position to windward of the helicopter.	They must initially direct from the helicopter landing spot, then move when the helicopter approaches to land or drop the line.
68	Is it a regulation for a TRAINING MANUAL and on-board TRAINING AIDS about the life saving appliances and the best methods of survival to be provided onboard all ships?		The ship operator may provide such information on-board if they wish to do so.	It is a SOLAS requirement. Moreover, you must read the training manual provided!	It is up to the Master or safety officer on-board to provide a manual under special circumstances, for instance when carrying dangerous cargoes.	It is the responsibility of manufacturers to supply such manuals.
69	What is the minimum number of crew required in the rescue boat?		2 persons.	3 persons.	4 persons.	5 persons.
70	What connects the fore and aft hook mechanisms together?		A flexible steel cable	A chain	A rod and linkage system	A strong rope
71	What are tricing pennants?		Life-lines at the sides of lifeboats to help people who have fallen in the water to get back into the lifeboat.	Mooring ropes to secure the lifeboat to the bollard on the main deck.	An emergency three flag signal to indicate that the vessel is in distress.	A device to bring the boat into the ship's side after partial release from the davits.
72	What is the painter used for on the davit launched liferaft?		To lower the raft to the water level.	The painter is only used on lifeboats, never on rafts.	For inflation of the raft by pulling on the painter, and/or for keeping the raft alongside the boarding area.	For repairing leaks sustained to the buoyancy chamber during launching.
73	According to IMO regulations, how often should a freefall lifeboat launch take place?		Once a year	Every six months	Every three months	Every 18 months

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
74	In which direction do you move the Camsafe hydrostatic interlock lever to release the hooks when the lifeboat is not afloat?		Downwards	Upwards	Outwards	Inward
75	To minimise accidents, it is essential that...		all safety devices are reinstated or reset as soon as possible after the mechanism has been used.	all accidents are reported to the 1st Engineer within one week.	all seafarers on board a lifeboat during a drill face forward.	all exercises are reported to the head office
76	Why is it vital that the hook tail is in precise flat alignment across its full area of contact with the cam?		To protect the full contact area from corrosion	To provide the maximum surface area to increase friction	To prevent the cam from loading the flexible steel release cables	To protect the full contact area from friction
77	What should you do if you notice salt and corrosion inside the hook assembly?		Nothing; the hook is designed to operate even when corroded	Remove the salt and corrosion and grease the components	Thoroughly grease the components	Promptly exchange the components with new ones
78	What positively identifies that a Camsafe hook is locked?		When the release lever is in the locked position	When the hook is vertical	When the cam is pressed hard against the hook	When the release lever is in the locked position and the hook is vertical
79	What are the Gripes?		They secure the lifeboats to the davits.	They are special storage spaces onboard the lifeboat to hold food supplies.	They aid in lowering the boat by using the winch mechanism.	They secure the lifeboat to the bollards on the main deck.
80	In general terms, what would you consider to be your best lifeboat?		The lifeboat allocated to you on the muster list.	The rescue boat.	The ship itself.	The inflatable life raft.
81	After launch, which of these actions should be taken first?		Activate the EPIRB	Rig the SART	Make sure there are no injuries	Distribute drinking water
82	Once the lifeboat is under way, the Coxswain should steer to a safe distance from the abandoned ship taking into account all prevailing conditions. What is the preferred recommendation?		Down wind of the abandoned vessel.	Leeward of the vessel and clear of the bow and stern.	Preferably upwind and clear of the bow and stern.	Remain alongside the abandoned vessel, but on the windward side.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
	PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS					
83	The release handle of a Harding system is located:		at the control console.	at the aft hook.	at the forward hook.	can be either forward or aft hook.
84	What action should be taken after a drill has been conducted on board?		A time and date should be given for the next drill.	There is no need for further action.	It is essential to hold a debrief at the end of a drill.	A report should be sent to the ship operator.
85	Who should carry out the SOLAS 5 yearly test of a lifeboat?		SOLAS staff	Qualified ship's staff	Qualified shipyard staff	Inspector from the Class Society
86	A line-throwing appliance that meets SOLAS requirements must be provided and must include not less than four projectiles. What distance must each projectile be capable of carrying the line?		At least 130 metres in calm weather.	At least 200 metres in Beaufort wind force 5.	At least 300 metres in calm weather.	At least 230 metres in calm weather.
87	If you are carrying out maintenance and working outside the lifeboat, the most important item of personal protective equipment you need is:		non-slip shoes.	safety gloves.	a harness secured to a safe point.	a rope tied around your stomach and secured to a safe point.
88	Immersion suits or anti-exposure suits must be worn by the crew of the rescue boat. The suit must be capable of being unpacked and put on without assistance within:		30 seconds.	1 minute.	90 seconds.	2 minutes.
89	What is the "BOWSING TACKLE" as fitted on some lifeboats used for?		To hold the lifeboat alongside the ship after launching.	To secure the bow of the lifeboat to the main deck bollards.	To hold the lifeboat close to the embarkation deck.	A stretcher for safe embarkation of injured persons. (In case of injuries this should be done as a priority.)
90	What is the main purpose of the "Public Address System" on board ship?		A loudspeaker installation for providing music for entertainment purposes.	A loudspeaker installation for broadcasting messages into all crew/passenger spaces and to the muster stations.	It is provided to announce meal times, and to alert watch-keepers prior to going on duty.	It is only used on passenger ships as the means of broadcasting general information to passengers.
91	What is the purpose of the hydrostatic interlock in the keel?		It prevents seawater entering the boat.	It indicates the loaded weight of the boat and prevents overloading.	It prevents release of the hooks until such time that the keel of the boat is under water.	It supplies cooling water to the lifeboat engine.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
92	What is a SART?		It is a Search And Rescue Training exercise.	It is a survival craft radar transponder.	It is the Search And Rescue Team dispatched by the rescue services.	It is a survival craft radio.
93	If the safety pin does not fit in easily when you replace it, you should:		tap it firmly with a small hammer.	not be unduly concerned as these pins often stick slightly.	check the system again as this is an important indicator of improper re-setting.	grind it off a bit using a sand paper
94	How do you check the location of the hook on a Fassmer system?		Check the tension in the gripes which should be slack.	Ensure the arrow is aligned with the notch (up to 6.6 tonne hook) or that you cannot see the hook via the inspection hole (10 and 17 tonne hooks).	If the safety pin is in place, the hook position must be OK.	Check the tension in the gripes which should be tight.
95	Who should be the first choice when it comes to doing an Annual Maintenance?		Hook manufacturer's Specialist Engineer	Experienced Ship's Engineer	As under supervision of Bosun	Experienced Chief Officer
96	On passenger ships, when fire and watertight doors have been closed, what action should be taken to ensure that passengers and crew find their way to the muster stations?		Position stairway guides to show them the way and to keep order in the passage ways.	All persons must be trained to handle such an event prior to sailing.	Anyone finding their route blocked must remain behind the closed doors until the emergency is over and it is safe to proceed.	Provide each person onboard with a plan showing the escape routes.
97	When survival is at risk, who is responsible for taking the best corrective action?		The Master is solely responsible for all persons onboard during an emergency situation and must act accordingly.	The designated safety officer must take firm control of all survival activities.	The designated person based at the ship operator's office must take the responsibility.	All seafarers owe it to themselves and their colleagues to understand their responsibilities when survival is at risk.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
98	For the purpose of SOLAS, what is an "Inflatable Liferaft"?		A liferaft which is kept inflated and ready for use at all times.	A raft kept on the bridge wing for rapid deployment when the man-overboard alarm is raised.	A life saving appliance which depends upon non-rigid, gas filled chambers for buoyancy and which is normally kept un-inflated until ready for use.	It is an appliance for the rapid transfer of persons from the embarkation deck of a ship to the lifeboats.
99	No one is a survivor until:		they are safely in the lifeboat or raft.	they arrive at their muster stations.	they have donned their life jacket.	they have been rescued.
100	If the hydrostatic release contains a diaphragm, this requires servicing:		weekly	monthly	quarterly	annually
101	What should you do if you cannot find a Manufacturer's Manual for the lifeboat release system?		Inform the Master or Ship's Safety Officer and get on with the work in the meantime.	Inform the Master or Ship's Safety Officer and wait until the manual is available before starting work.	Discuss with other staff what needs to be done and then start work.	Use one's instinct.
102	Which of the following defects would mean the diaphragm should be replaced with a new genuine part?		Slight split	Feint areas of perished rubber (small cracks)	Slightly hard around periphery	All of the above
103	What are the gripes?		Life-lines at the sides of lifeboats to help people who have fallen in the water to get back into the lifeboat	They are used to secure the lifeboats to the davits in the stowed position	Lowering handles on the winch mechanism	A device to bring the boat into the ship's side after partial release from the davits
104	What is the heliograph used for when you are in a lifeboat or liferaft?		To check the outside temperature	As a means of signalling by reflecting the light of the sun	To warm the emergency food rations	As a first aid burns dressing

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
105	When would you fire the pyrotechnics after launching the boats and rafts?		Once every hour immediately after launching	Once every hour during the hours of darkness	When you have sighted the rescue services or other ships/aircraft.	On request from the rescue services.
106	An adult lifejacket must be constructed so that the wearer can jump into the water without injury and without damaging or dislodging the lifejacket, from a height of at least....		2.5 metres	4 metres	4.5 metres	5.5 metres
107	The muster list shows who is the designated GMDSS operator. What do the letters GMDSS stand for?		The GMDSS operator is the person trained to provide General Medical and Maritime Safety Services	The letters refer to the General Maritime Distress and Survival Services	The letters refer to the Global Maritime Distress and Safety System	The letters refer to safety services provided by the rescue organisation
108	What is the purpose of the control position on an enclosed lifeboat?		It is for sending out distress messages giving the ship's last known position	It facilitates entering the names of all persons on-board. This is an essential record keeping requirement	It's a place reserved for injured persons	It's the position from which the boat is steered and the safety systems are operated
109	Immersion suits or anti-exposure suits must be worn by the crew of the rescue boat. The suit must be capable of being unpacked and put on without assistance within....		30 seconds	1 minute	90 seconds	2 minutes
110	For every davit launched liferaft on a cargo ship, from the time the order to board is given it must be possible to board the full complement of persons in not more than....		2 minutes	3 minutes	5 minutes	6 minutes
111	The light on a lifejacket must have an energy source which can provide the required luminous intensity for a period of at least....		2 hours	4 hours	6 hours	8 hours

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
	PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS					
112	What are tricing pennants?		Life-lines at the sides of lifeboats to help people who have fallen in the water to get back into the lifeboat	Mooring ropes to secure the lifeboat to the bollard on the main deck	An emergency three flag signal to indicate that the vessel is in distress	A device to bring the boat into the ship's side after partial release from the davits
113	A rescue boat must be capable of carrying a person lying on a stretcher and at least --- seated persons.		2	3	5	8
114	Hand distress flares must burn for a period of not less than....		1 minute	2 minutes	5 minutes	10 minutes
115	How many hand flares should each liferaft normally carry?		2	4	6	10
116	When floating in calm water, buoyant smoke signals should emit smoke at a uniform rate for not less than....		1 minute	3 minutes	5 minutes	10 minutes
117	What is a drogue used for?		It is used as a sea-anchor and must be supplied with a shock resistant hawser and a tripping line.	As a heater to keep the occupants of the lifesaving appliance warm.	As a painter (mooring line) to stay alongside the ship during embarkation.	As a braking device during lowering of the boat/rafts.
118	The lamp on top of a liferaft canopy must operate continuously or flash at the specified rate for at least....		2 hours	4 hours	8 hours	12 hours
119	When floating in calm water the self-activating smoke signal on a lifebuoy must emit highly visible smoke at a uniform rate for at least....		10 minutes	15 minutes	30 minutes	1 hour
120	What is the purpose of the hydrostatic interlock in the keel of an enclosed lifeboat?		It prevents seawater entering the boat	It indicates the loaded weight of the boat and prevents overloading	It prevents release of the hooks until such time that the keel of the boat is under water	It supplies cooling water to the lifeboat engine
121	How long will a parachute flare burn after it has been fired into the air?		A minimum of two minutes	A minimum of five minutes	A minimum of forty seconds	A minimum of thirty seconds
122	What is the minimum inner diameter of a lifebuoy?		300 mm	350mm	400 mm	500mm
123	How many buoyant smoke signals should each lifeboat normally carry?		2	4	6	10

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
	PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS					
124	After 24 hours submersion in fresh water, the buoyancy of a life jacket should have decreased by no more than....		2%	5%	10%	15%
125	A line-throwing appliance that meets SOLAS requirements must be provided and must include not less than four projectiles. What distance must each projectile be capable of carrying the line?		At least 130 metres in calm weather	At least 200 metres in Beaufort wind force 5.	At least 230 metres in calm weather.	At least 300 metres in rough weather.
126	A liferaft must be constructed so that it operates satisfactorily after being dropped in the water from heights of up to....		4.5 metres	10 metres	18 metres	20 metres
127	Immersion suits are provided with a rescue loop. What is this designed for?		It is intended for pulling the wearer alongside the rescue boat	b) It is designed for attaching to a helicopter's rescue hook	It is used for keeping survivors together in the water and preventing them from drifting apart	It is only used for storage and keeps the suits ready for immediate use
128	Once the lifeboat is under way, the Coxswain should steer to a safe distance from the abandoned ship taking into account all prevailing conditions. What is the recommended position?		Down wind of the abandoned vessel	Leeward of the vessel and clear of the bow and stern	Preferably upwind and clear of the bow and stern	Remain alongside the abandoned vessel, but on the windward side
129	What is the minimum number of crew required in the rescue boat?		2 persons	3 persons	4 persons	5 persons
130	The SART is the Search and Rescue Radar Transponder. How is this device activated?		It has to be thrown into the sea where it will self-activate	It has to be switched on by the Master when the order to abandon ship is given	It will be activated by the nearest coast station	It is carried into the survival craft and switched on by the occupants
131	What is the EPIRB?		Electronic Positioning Instrument and Receiving Device	It is a smoke generator used to indicate the position of the boat in distress	Emergency Position-Indicating Radio Beacon	Emergency Receiving Beacon
132	How many rocket parachute flares should each liferaft normally carry?		2	4	6	10

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
133	For the purpose of SOLAS, what is an "Inflatable Liferaft"?		A liferaft which is kept inflated and ready for use at all times	A raft kept on the bridge wing for rapid deployment when the man-overboard alarm is raised	A life saving appliance which depends upon non-rigid, gas filled chambers for buoyancy and which is normally kept un-inflated until ready for use	It is an appliance for the rapid transfer of persons from the embarkation deck of a ship to the lifeboats
134	When floating, a liferaft must be able to withstand repeated jumps onto it, both with and without the canopy erected, from a height above its floor of at least....		4.5 metres	10 metres	18 metres	20 metres
135	What is a survival craft?		A craft capable of sustaining the lives of persons in distress from the time of abandoning ship	A lifeboat launched from a shore-based station	The art of survival	Only the ship itself can be considered as a survival craft
136	Self-igniting lights on lifebuoys must either burn continuously or flash at a specified rate for a period of at least....		30 minutes	1 hour	90 minutes	2 hours
137	What is the painter used for on the davit launched liferaft?		To lower the raft to the water level	The painter is only used on lifeboats, never on rafts	For inflation of the raft by pulling on the painter, and/or for keeping the raft alongside the boarding area	For repairing leaks sustained to the buoyancy chamber during launching
138	Under the SOLAS regulations most ships have to carry a designated rescue boat which must be in a continuous state of readiness. What is the maximum amount of time the regulations allow for launching?		One minute	Five minutes	Ten minutes	Fifteen minutes
139	What is a SART?		It is a Search And Rescue Training exercise	It is a survival craft radar transponder	It is the Search And Rescue Team dispatched by the rescue services	It is a survival craft radio.

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
140	What is a "Thermal Protective Aid" (TPA)?		It is an immersion suit worn by the rescue boat crew members	It is thermal underwear for use by boat crews in cold climates. It serves to maintain body temperature	It is a first aid kit	It is a waterproof cover enclosing a person to reduce heat loss from the wearer's body
141	Once launched how should boats and rafts be distributed?		They should be dispatched in different directions to seek rescue services	Congregate and tie together to form an easily recognized target for rescue services	Congregate and then dispatch one motor boat to seek rescue services	It is important not to tie the boats and rafts together
142	Under the SOLAS regulations, how often must each life-saving appliance be inspected to ensure that they are complete and in good order?		Weekly	Daily	Annually	Monthly
143	What is the "Bowsing Tackle" as fitted on some lifeboats used for?		To hold the lifeboat alongside the ship after launching	To secure the bow of the lifeboat to the main deck bollards	To hold the lifeboat close to the embarkation deck	A stretcher for safe embarkation of injured persons
144	An adult lifejacket must have sufficient buoyancy and stability to turn the body of an unconscious person in the water from any position to one where the mouth is clear of the water in not more than....		2 seconds	5 seconds	10 seconds	15 seconds
145	What is the maximum number of people that an approved lifeboat can carry?		100	120	150	180
146	Why must the boat's coxswain make it clear to everyone that s/he is in charge?		To preserve food and drinking water	To ensure that her/his seat in the boat is reserved	To establish proper leadership which is vital in any survival situation	The coxswain should maintain a low profile and stick to her/his job of steering the boat
147	What is the purpose of the canopy over the inflatable liferaft?		It is designed as a safety net to jump onto for rapid embarkation	The main purpose is to provide strength to the design of the raft	It is designed to give protection against exposure	It provides additional space for evacuees

GUÍA DE ESTUDIOS - TITULACIÓN MAQUINISTA NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS						
148	What is the big advantage of davit launched liferafts?		Evacuees get away from the ship dry	The rafts are better able to withstand adverse weather conditions	The davit launched rafts offer the fastest method of embarkation	Davit launched rafts are cost efficient

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS	
ANSWERS	
1	C
2	D
3	C
4	A
5	D
6	A
7	C
8	B
9	C
10	D
11	A
12	C
13	C
14	B
15	C
16	A
17	B
18	B
19	B
20	A
21	B
22	D
23	D
24	A
25	B
26	B
27	C
28	A
29	D
30	B

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS	
ANSWERS	
31	D
32	C
33	B
34	D
35	C
36	C
37	B
38	B
39	D
40	A
41	C
42	A
43	A
44	A
45	B
46	A
47	C
48	B
49	A
50	A
51	A
52	A
53	C
54	B
55	D
56	C
57	B
58	D
59	B
60	D

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS	
ANSWERS	
61	A
62	A
63	C
64	D
65	B
66	C
67	C
68	B
69	B
70	A
71	D
72	C
73	B
74	A
75	A
76	C
77	B
78	C
79	A
80	C
81	C
82	C
83	B
84	C
85	C
86	D
87	C
88	D
89	C
90	B

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS	
ANSWERS	
91	C
92	B
93	C
94	B
95	A
96	A
97	D
98	C
99	D
100	D
101	B
102	D
103	B
104	B
105	C
106	C
107	C
108	D
109	D
110	B
111	D
112	D
113	C
114	A
115	C
116	B
117	A
118	D
119	B
120	C

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS	
ANSWERS	
121	**C**
122	**C**
123	**A**
124	**B**
125	**C**
126	**C**
127	**A**
128	**C**
129	**B**
130	**D**
131	**C**
132	**B**
133	**A**
134	**A**
135	**A**
136	**D**
137	**C**
138	**B**
139	**B**
140	**D**
141	**B**
142	**D**
143	**C**
144	**A**
145	**C**
146	**C**
147	**C**
148	**A**

GUÍA DE ESTUDIO MAQUINISTA NAVAL
PROFICIENCY IN SURVIVAL CRAFT & RESCUE BOATS
ANSWERS