GUÍA DE ESTUDIOS - TITULACIÓN PILOTO NAVAL					
Q. Number	**Question**	**A**	**B**	**C**	**D**
	Respond to Emergencies				
1	If you were at the entrance to an enclosed space and you lost communication with a crewmember inside, what should you do?	Wait for a few minutes in case the crewmember is busy.	Put on a BA set and enter the enclosed space.	Holding your breath, enter the enclosed space to see if you can spot the crewman.	Raise the alarm with the bridge or other officers in the area.
2	Your ship unexpectedly runs aground. Which of the following actions would NOT be done as a top priority?	Put the engine on full astern.	Sound tanks and compartments.	Transmit distress or urgency signal.	Prepare survival craft.
3	Before crew members are allowed to work in an enclosed space, what tests should be made on the atmosphere?	For carbon dioxide, hydrogen sulphide, and methane.	For oxygen level, hydrogen and inert gas.	For oxygen level, flammable vapour and any toxic vapours.	For oxygen level, flammable vapour and methane.
4	How often must emergency drills be held on board?	On departure and weekly after that.	Every week.	Every two weeks.	As often as necessary to ensure all are fully trained and prepared.
5	Which of these, in an emergency, is the Deck Officer NOT expected to be able to operate?	The emergency bilge pump.	The emergency fire pump.	The CO2 discharge into the engineroom.	The main engine emergency fuel cut-off.
6	Your ship is in heavy weather and you have to abandon ship. If oil is to be used to provide calmer water for launching survival craft, which is the best?	Heavy fuel oil.	Fish, vegetable or animal oil.	Lubricating oil.	Marine diesel oil.
7	A crew member touches some live electrical wires and collapses unconscious. What is the first thing you should do?	Find and isolate the source of the electricity.	Put rubber soled shoes on your feet.	Immediately check for signs of breathing and a pulse.	Dampen the victim with a wet towel.
8	What is the most likely scenario, when passengers are carried, if there is a ship emergency at sea?	Passengers are unlikely to be able to take appropriate actions without instruction.	Passengers are likely to panic as soon as the emergency signal is sounded.	Passengers will not understand what an emergency signal means.	Passengers will not know where to muster in an emergency.
9	What would be the best fire extinguishing agent in a cargo hold with a smouldering fire in a cargo of coal?	Steam.	Foam.	Water jets.	Carbon dioxide.

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10	If a ship is damaged and taking in water, one of the factors to bear in mind is the "Permeability" of the cargo. What does permeability mean?	The space left free after the cargo has been loaded.	The percentage of the cargo space available for water.	The proportion (percentage) of the holds taken up by the cargo.	The absorption factor of the cargo.
11	When acting as a watcher or lookout at a cargo hold and persons below show signs of distress, what should you do?	Try to rescue them yourself.	Lower additional breathing equipment.	Raise the alarm immediately.	Don a BA set and enter the space.
12	What instruction would you give to crew members who have to jump into the sea from a sinking ship?	Wear your lifejacket, but hold it down; block off your nose and mouth, keep your feet together and jump feet first into the sea.	Throw your lifejacket into the sea, and dive after it, head first into the water.	Wear your lifejacket and dive head first into the sea.	Wear your lifejacket and jump vertically with your arms up above your head.
13	What is the top priority before the fixed gas extinguishing system is used on a fire in the engine room?	Stop all fans and engines.	Close down the boilers.	Make sure that the compartment has been evacuated.	Close all openings.
14	For a fire in the hold of a dry cargo vessel, how would you discharge the carbon dioxide smothering gas into the hold?	Release all the bottles at the same time.	Release half the bottles stated for the space and after about 15 minutes release the remaining bottles.	Release the minimum number of bottles that will be sufficient to extinguish the flames.	Release the initial number of bottles stated for that space and then a stated number of bottles at intervals of about 30 minutes.
15	If your ship is in collision and the ships are locked together, which of the following should NOT ALWAYS be done?	Transmit distress or urgency signal.	Sound tanks and assess damage.	Go full astern to release the ships.	Prepare survival craft for abandon ship.
16	What is the temperature at which a material produces enough flammable vapour for it to ignite if exposed to an ignition source?	"The auto-ignition temperature."	The melting point.	The flashpoint.	The ignition temperature.
17	You are on watch on the bridge, and you observe a red distress rocket. What is the first thing that you should do?	Call the Master.	Take a bearing of the rocket.	Put the engine on stand-by.	Summon an extra lookout.

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Respond to Emergencies					
18	What is meant by the term "self ignition temperature"?	The lowest temperature where enough vapours are given off that they will ignite and then go out if an external ignition source is applied.	The lowest temperature where enough vapours are given off that they will ignite and keep burning if an external ignition source is applied.	The lowest temperature where the vapours given off will automatically ignite without the presence of an external ignition source.	The lowest temperature that a liquid will start giving off vapours.
19	The radiotelephony alarm signal sounds, followed by morse letter B, followed by a ship's call sign. What signal is being received?	The preamble to a man overboard message.	An activated EPIRB.	A survival craft radio.	A message from a sunken submarine.
20	In a galley fire, which of the following actions should be taken first?	Switch off the power to the galley.	Direct a water spray onto the smoke to reveal the exact location of the fire.	Immediately discharge a foam extinguisher to cover hot cooking oils.	Immediately direct a water jet onto the seat of the fire to prevent the fire spreading.
21	What are the key factors in deciding the direction of your approach to a vessel in distress, a lifeboat, or survivors in the water?	The direction of the swell and the rate of drift of your ship.	The amount of oil and debris in the water.	The need for a lee and the comparative rates of drift of your ship and the ship/boat/survivors.	The comparative size of your vessel and the ship/boat/survivors.
22	What would be the best fire extinguishing agent in a cargo hold loaded with bales of cloth or cotton?	Water.	Carbon dioxide.	High expansion foam.	Steam smothering.
23	Your ship is taking in water rapidly and it is decided to beach her. In ideal circumstances, what ground surface conditions should there be?	Soft sand/mud, gently shelving.	Soft sand/mud, steeply shelving.	Firm sand, gently shelving.	Firm sand, steeply shelving.
24	In the IAMSAR manual, OSC is the abbreviation for the...	Operational Search Chief.	Official Search Centre.	On-Scene Commander.	Operational Search Centre.

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Respond to Emergencies					
25	You are rescuing survivors from an abandoned ship who are in the sea. The best method of getting them on board is...	putting volunteer crew members into the water to assist the survivors.	putting scrambling nets down the side of the ship.	rigging gangway and pilot ladders on the side of the ship.	lowering your boat(s) to take them on.
26	Who controls the actions of passengers in a ship emergency?	The cabin steward responsible for the particular passenger looks after that person.	It is one of the specific duties of the officer on watch.	Specific crew members will have been asigned duties for the mustering and control of passengers.	The Chief Steward (or Purser) is always responsible for all passengers.
27	How is a SART 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.
28	Your propeller has dropped off in a gale two miles off Cap Finisterre with an onshore wind. What radio priority would be chosen?	Safety.	Distress.	Routine.	Safety.
29	What is the first sign and symptom of a heart attack?	Sudden crushing, vice-like pain in the centre of the chest.	Skin may be red and loss of movement in the right arm may occur.	Frothing at the mouth.	"Strong and painful pulse."
30	Your vessel is not under command, and you wish to warn other vessels about this. What radio priority would be chosen?	Urgency.	Distress	Routine.	Safety.
31	A crew member is lost overboard in fog. What is the most suitable method of returning the ship to a reciprocal course on its original track?	A Williamson turn.	A double turn.	A single turn.	An elliptical turn.
32	What would you do if you saw a person fall into a cargo hold?	Raise the alarm.	Get the first aid kit.	Go to the person and try to assist as much as possible.	Get a stretcher and rope.
33	When the "emergency stations" signal is made, what should crew members do who are not assigned to an emergency team?	Report to the Master for orders.	Go to the bridge and report to the officer on watch.	Go to their survival craft stations.	Stay in their cabins and await orders.

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Q. Number	**Question**	**A**	**B**	**C**	**D**
	Respond to Emergencies				
34	In the event of fire on board, what do you think is the primary consideration of the Master?	To follow instructions as given in the emergency response manual.	The safety of the crew.	To liaise with the head office and shore authorities.	To save the ship.
35	Your ship is taking in water rapidly and it is decided to beach her. In ideal circumstances, what tidal conditions should there be?	Low tide.	Mid or high tide.	Rising tide.	Tidal conditions are not important.
36	When will the low air alarm sound on a self-contained breathing apparatus?	When it is about one third full.	When it is empty.	When it is about half full.	When it contains air of insufficient oxygen concentration for breathing.
37	What does SART stand for?	Semi Automatic Rescue Transmitter.	Search And Rescue Radar Transponder.	Satellite Activated Rescue Telephone.	Systematic Advised Rescue Tracker.
38	Once a fire is contained, the Master needs to evaluate the best strategy for the next stage.This might include a number of actions. In your opinion which action does NOT belong?	Keeping the fire contained.	The use of fixed installations to put it out.	Re-introducing air circulation by opening up fire dampers and other openings.	Other means of control.
39	If your ship is in collision in the waters of a foreign nation, which of the following is NOT a legal responsibility for the Master?	Render assistance to the other ship, if practicable.	Go as soon as possible to the nearest appropriate port to report to the Authorities.	Inform the other vessel of the name of your ship and other details.	Enter a witnessed statement in the official log book.
40	Where on board does the muster list have to be posted?	In each cabin of crew members.	It must be given to each crew member immediately after joining the ship.	It should be displayed at the gangway.	A copy must be put up in prominent places throughout the ship.
41	In the IAMSAR manual, what does the term "MEDEVAC" mean?	Evacuation of a person for medical reasons.	Medical advice system by radio.	MEDiterranean Emergency Visual Airlift Communications system.	Emergency procedure for medical reasons.

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Q. Number	**Question**	**A**	**B**	**C**	**D**
Respond to Emergencies					
42	What action should be taken immediately after a fire has been extinguished?	Hold a de-briefing of the incident with all officers and fire fighters present.	Establish a continuous watch at the fire area against re-ignition and remove any smouldering material.	Report the incident to the vessel operator and flag state authorities.	Write a non-conformance report in compliance with chapter 9 of the International Safety Management Code.
43	RCC is the recognised abbreviation for a....	Radio Control Centre.	Radar Coastal Control.	Radio Coastal Centre.	Rescue Co-ordination Centre.
44	Your propeller has dropped off in the NE-bound lane off Cap Griz Nez, Dover Strait. What radio priority would be chosen?	Urgency.	Safety.	Distress.	Routine.
45	While underway, a collision with another ship looks inevitable. If you, as officer of the watch, are able to turn the ship, where is the "best" position to collide?	Directly on the bow.	Forward of the collision bulkhead.	A glancing blow, quarter to quarter or bow to quarter.	On the stern, aft of the after peak bulkhead.
46	Your ship is taking in water rapidly and it is decided to beach her. Precautions could be taken before beaching, if sufficient time. Which of the following should NOT be done?	All ballast tanks pumped out.	Engineers warned to switch to high level water intake.	All watertight doors closed.	Sound the general alarm.
47	If firing a line to another ship using a rocket line-throwing apparatus, which of the following is NOT correct?	Aim cross wind, slightly down wind to allow for wind effect.	Aim cross wind, slightly up wind to allow for wind effect.	Aim directly down wind.	Aim directly up wind.
48	What do the words "spontaneously combustible" mean?	When the substance burns it becomes very hot.	The substance is very difficult to set alight, even when it is very hot.	The substance can catch fire by itself without an external source of heat or ignition.	When this substance burns, it burns completely and does not leave any residue or ash.
49	A person wearing a lifejacket is being recovered from the water, having fallen overboard. From the following, which would be the first action to take?	Throw a rope with a bowline loop, or a lifebuoy.	Float a liferaft down wind to the person.	Launch a rescue boat.	Any of these options, depending upon the actual circumstances.

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Respond to Emergencies					
50	You are officer of the watch while the ship is at anchor. Another ship is bearing down on you and you fear that a collision might occur. From the following, what is the best immediate action?	Let out more cable.	Slip the anchor.	Warn the engineroom and manoeuvre using helm and engine.	Sound the whistle and shine a searchlight on to the approaching ship.
51	The crew and passengers have abandoned ship in a number of boats and liferafts. Which is the best strategy?	Tie liferafts to lifeboats to form a number of independent groups.	Take as many persons on to liferafts as possible.	Take as many persons on to lifeboats as possible.	Use a motor lifeboat to "gather" all craft into one group.
52	What can be done when a vessel experiences synchronous rolling during rough weather?	Alter course	Alter speed	Maintain course and speed	Lower the GM of the vessel
53	If you have a main engine failure, what shapes would you exhibit?	Two black balls in a vertical line	A cylinder	Ball- diamond- ball	Single diamond
54	Which of these are distress signals?	All of the other options.	A gun or explosive signal fired at intervals of about one minute.	Flames on a vessel.	A continuous sounding with any fog- signaling apparatus.
55	In the event of a man overboard, what flag would you hoist?	Flag "O"	Flag "U"	Flag " S"	Flag " R"
56	How often should emergency steering drills be carried out?	At least every 3 months	At least every 6 months	At least every 9 months	At least every 12 months
57	What is an EPIRB?	An electronic positioning instrument and receiving device.	A- smoke generator used to indicate the position of a ship or boat in distress.	An electronic emergency position-indicating radio beacon.	An emergency receiving beacon.
58	What do the letters GMDSS refer to?	The "General Muster list Directions & vessel Safety Services" manual onboard ship.	Search and rescue services to large passenger vessels.	The "Global Maritime Distress and Safety System."	The mandatory International Safety Management system.

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Respond to Emergencies					
59	What type of extinguishing agent would you use if you have an electrical fire?	CO2	Foam	Soda acid	Steam
60	In the case of permanent loss of power, what type of radio message would you send?	Urgency	Distress	Securite	All of the the other options
61	Which of these would be the correct order to fight a fire?	Find, inform, restrict, extinguish	Find, restrict, inform, extinguish	Find, restrict, extinguish, inform	Find, extinguish, inform, restrict
62	At what intervals should an EPIRB be tested, inspected and, if necessary have the source of energy replaced?	At intervals not exceeding twelve months	At intervals not exceeding six months	At intervals not exceeding three months	At the weekly mustering and boat drills
63	In which of these cases would you transmit a Distress message?	Flooding	Steering failure	Main engine failure	Electrical failure
64	What type of radio messages contain important navigational or meteorological warnings?	Safety	Urgency	Distress	All of the other options
65	In the event of a fire, what would be your first action?	Raise the alarm before carrying out subsequent actions	Attempt to fight the fire independently	Get help from nearby and proceed to fight the fire	Seal off the area before calling for help

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Respond to Emergencies					
66	What type of radio message would you transmit if your ship has a collision and there is grave and imminent danger?	Distress alert and message	Urgency message	Safety message	Distress relay
67	When should one abandon a ship?	On verbal orders from the master.	On hearing the general emergency alarm signal..	When one feels there is a threat to the ship.	On orders from the owners.
68	To which one of these actions would you give priority if you have a main engine failure?	Prepare for anchoring if in shallow waters.	Inform head office.	Inform charterers.	Inform agents that the vessel will possibly be delayed.
69	When an emergency is clearly over, how should a Mayday message be cancelled?	By broadcasting to all stations.	By broadcasting to those involved.	By broadcasting to the nearest coast station.	There is no need to take any action.
70	After a collision on the high seas, the Master of a ship sailing under its flag has several legal duties? Which answer does NOT belong in the list?	To render assistance to the other ship, her crew and her passengers.	To inform the other ship of the name of his own ship.	To inform the other ship of the name of port of registry and the nearest port at which the ship will call.	To inform the other ship of the name of the ship's agents at the next port of call.

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Respond to Emergencies	
ANSWERS	
1	D
2	A
3	C
4	D
5	A
6	B
7	A
8	A
9	D
10	B
11	C
12	A
13	C
14	D
15	C
16	C
17	B
18	C
19	B
20	A
21	C
22	A
23	C
24	C
25	D
26	C
27	D
28	B
29	A
30	D
31	A

GUÍA DE ESTUDIOS PILOTO NAVAL	
Respond to Emergencies	
ANSWERS	
32	A
33	C
34	B
35	B
36	A
37	B
38	C
39	B
40	D
41	A
42	B
43	D
44	A
45	C
46	A
47	A
48	C
49	D
50	D
51	D
52	A
53	A
54	A
55	A
56	A
57	C
58	C
59	A
60	A
61	A
62	A

GUÍA DE ESTUDIOS PILOTO NAVAL	
Respond to Emergencies	
ANSWERS	
63	A
64	A
65	A
66	A
67	A
68	A
69	A
70	D

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ANSWERS