GUÍA DE ESTUDIO- MAQUINISTA NAVAL					
Q. Number	**Question**	**A**	**B**	**C**	**D**
	PUMPING OPERATIONS (BASIC)				
1	What action should you take during your watch if you find that more water than usual has collected in the bilge wells ?	Pump the bilges overboard with the bilge pump.	Pump the bilges overboard with the emergency bilge pump.	Ask permission to pump the bilges via the 15 ppm oily water separator.	Pump the bilges into the bilge collecting tank.
2	Engine room piping colour coded yellow, carries which of the following ?	Compressed air.	Seawater.	Lubricating oil.	Fresh water.
3	Bilges must always be pumped to the sea via	the centrifugal purifier.	the oil mist detector.	the forecastle head.	the oily water separator.
4	The main lubricating oil pumps would supply	salt water to the main engine.	lubricating oil to the air compressors.	lubricating oil to the main engine.	fuel oil to the main engine.
5	In the engine room a pressure vessel half full of air and half of water that supplies water to the accommodation is called	a fresh water tank.	a pneupress or hydrophore tank.	a mains water supply.	an evaporator.
6	Which of the following types of pump needs priming every time it is used ?	A reciprocating pump.	A gear type pump.	A centrifugal pump.	A scroll type pump.
7	On modern ships, which type of pump would be used for supplying lubricating oil to the main engine ?	A small gear type positive displacement pump.	A large centrifugal pump.	An axial flow pump.	A scroll type positive displacement pump.
8	Compressed air lines are colour coded	Pink.	Black.	White.	Silver.
9	In an engine room, pipework coloured green carries which of the following ?	Sea water.	Lubricating oil.	Fresh water for main engine cooling.	Fresh water for drinking.

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	PUMPING OPERATIONS (BASIC)				
10	Oily water separators are used in which one of the following situations ?	To separate water from lubricating oil.	As part of the bilge pump system.	To separate oil and water from refrigeration gas in the refrigeration cycle.	To separate oil and water from compressed air systems.
11	Flange joints or gaskets made from metal would be used in which of the following places ?	Water pump casings.	Engine exhaust flanges.	Lubricating oil valve casing flanges.	Hot water system pipe flanges.
12	Which of the following best describes the hydraulic steering gear pump?	It is a variable speed constant delivery	The pump is of the centrifugal type.	It is not driven by electric motor.	It is a constant speed variable delivery pump.
13	A non-return valve can be identified from an ordinary valve by	its flanges.	its handle.	its spindle.	an arrow on the body of the valve.
14	Name the type of shut off valve that has a wedge which slides up and down ?	A globe valve.	A non-return valve.	A gate valve.	A safety valve.
15	Centrifugal purifiers are used on board ship	to clean fresh water before it is supplied for drinking.	to ensure compressed air is clean before it is used.	remove all the dirt and water from fuel and lubricating oil.	to clean bilge water before discharging overboard..
16	Oily water separators perform which of the following ?	They make sure that no raw sewage is pumped overboard.	They make sure that no oil is pumped overboard.	They remove the water from the fuel before it is burnt.	They clean engine scavenges.
17	Which of the following statements is true about positive displacement pumps ?	They will produce very high pressures.	They are never used onboard ship.	They are driven by compressed air.	They are used where lower capacities and

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	PUMPING OPERATIONS (BASIC)				
18	Most pumps on modern ships are driven by which of the following ?	The main engine.	Small diesel engines.	Steam turbines.	Electric motors.
19	Which of the following removes the oil from bilge water before the water can be pumped overboard ?	Purifiers.	Oil filters.	Oily water separators.	Evaporators.
20	Which type of pump would be most suitable for pumping large quantities such as oil cargoes ?	Reciprocating pumps.	Screw pumps.	Gear pumps.	Centrifugal pumps.
21	Positive displacement pumps are	not self priming pumps.	self priming pumps.	driven by compressed air.	used for pumping "large" capacities.

GUÍA DE ESTUDIO MAQUINISTA NAVAL	
PUMPING OPERATIONS (BASIC)	
ANSWERS	
1	C
2	C
3	D
4	C
5	B
6	C
7	D
8	A
9	A
10	B
11	B
12	D
13	D
14	C
15	C
16	B
17	A
18	D
19	C
20	D
21	B