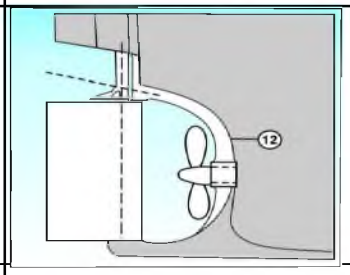
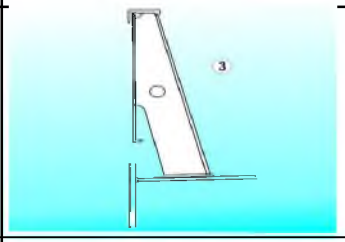
GUÍA DE ESTUDIOS - TITULACIÓN PILOTO NAVAL						
Q. Number	**Question**	***IMAGEN***	**A**	**B**	**C**	**D**
		MANTAIN SEAWORTHINESS- SHIP CONSTRUCTION				
1	What stresses are the vessel's structure forward of the collision bulkhead stiffened to resist?		Panting & Pounding	Panting & Racking	Water Pressure	Hogging & Sagging
2	What is the uppermost continuous hull plating called?		Sheer Strake	Garboard Strake	Stealer Plate	Stringer Plate
3	A perforated flat is part of the structure in the.....		forward hold.	double bottom.	deck house.	fore peak.
4	How are stacked containers prevented from moving in the hold?		By girders	By wire lashings	By portable beams	By cell guides
5	What are bulkhead stiffeners attached to the tank top by?		Cleats	Brackets	Stays	Chocks
6	What is a keel structure constructed to allow piping to run through called?		Bar Keel	Flat Plate Keel	Box Keel	Duct Keel
7	What is the type of rudder shown in the figure?		Unbalanced	Semi-balanced	Balanced	Spade
8	What is the connecting plate between a side frame and a transverse deck beam called?		Bracket	Gusset	Knee	Stiffener
9	Gross tonnage is defined as....		earning capacity.	internal capacity.	light displacement.	load displacement.
10	What is distortion of a vessel's structure caused by rolling called?		Racking	Slamming	Pounding	Heaving
11	The lower end of the stem bar of a ship is attached to a.....		stringer	frame	beam	keel plate
12	What is the pipe which directs the anchor cable from the windlass to the chain locker called?		Mooring	Hawser	Spurling	Scupper
13	What is the item shown in the figure?		Stay	Strut	Bulwark Stanchion	Stiffener
14	What is a vertically welded shell joint called?		Butt	Lap	Seam	Joint
15	What stress is the connection of frames and beams at deck level between the bulkheads designed to resist?		Hogging	Sagging	Racking	Pounding
16	Racking stresses in a ship can be reduced by fitting a good system of.....		stringers.	deck girders.	side girders.	bulkheads.
17	What is the minimum number of transverse bulkheads required for a vessel with machinery aft?		Three	Four	Five	Six
18	A General Arrangement drawing gives details of a vessel's....		construction sequenc	tank capacities	hydrostatic information	layout

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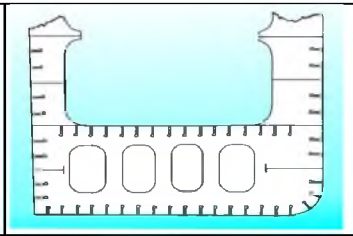
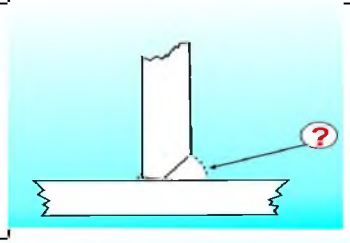
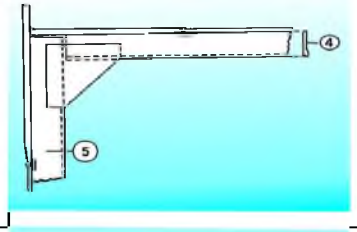
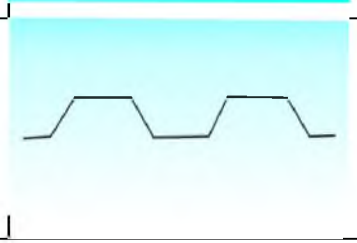
		MANTAIN SEAWORTHINESS- SHIP CONSTRUCTION				
19	What is the type of framing shown in the ship cross section?		Transverse	Longitudinal	Combination	Web
20	Additional bottom stiffening is required immediately aft side of the collision bulkhead to resist.....		racking.	panting.	pounding.	hogging.
21	When a vessel is hogging the keel will be in.....		sheer.	tension.	torsion.	compression.
22	What is the type of weld shown in the figure?		Fillet	Butt	Vee Butt	Lap
23	In the figure, what is the section marked 4 called?		Flat Bar	Tee	Angle	Offset Bulb
24	What could the steel section shown in the figure be used to construct?		Tank Top	Hatch Cover	Bulkhead	Steering Flat

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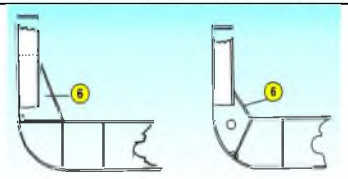
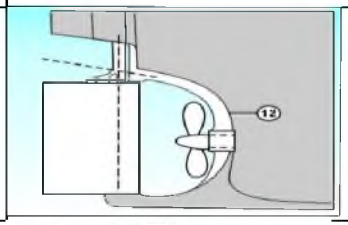
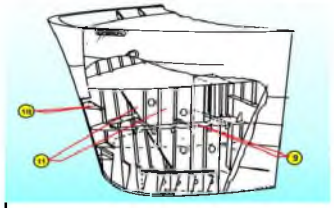
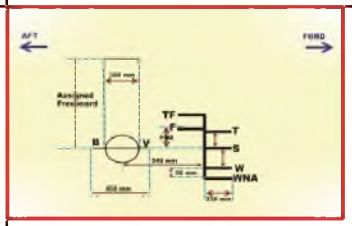
	MANTAIN SEAWORTHINESS- SHIP CONSTRUCTION					
25	In the figure, what are the items marked 6 called?		Chocks	Bilge Brackets	Knees	Webs
26	In ideal conditions, the forward distance a propeller will move in one revolution of the shaft is the:		Diameter	pitch	slip	circumference
27	Where is the top of a stern frame connected to a vessel's structure?		After Peak Bulkhead	Steering Flat	Transom Floor	Vibration Post
28	What is the item of structure numbered 12 in the figure called?		Boss Plate	Stern Bearing	Stern Post	Stern Frame
29	What is the item of structure numbered 9 in the figure?		Deck Plate	Panting Stringer	Foundation Plate	Floor Plate
30	What is a drawing used to identify individual strakes and plates called?		Construction Drawing	Sheer Profile	Shell Expansion Plan	Body Plan
31	Water is drained from an exposed deck by.....		discharge pipes.	side scuttles.	freeing ports.	drain valves.
32	The vertical distance measured from the deck line to the centre of the load line disc is the.....		depth.	winter draught.	summer draught.	statutory freeboard.
33	What is the vertical distance top to top between the load line marks S and F?		Summer Allowance	Tropical Allowance	Dock Water Allowance	Fresh Water Allowance
34	Moulded beam is the measurement taken to the.....		inside of the plating.	outside of the plating	inside of the frames.	inside of the ceiling.

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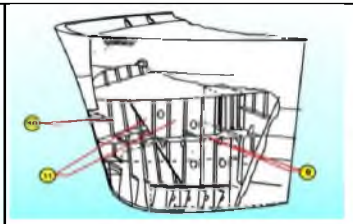
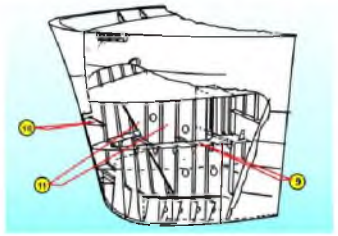
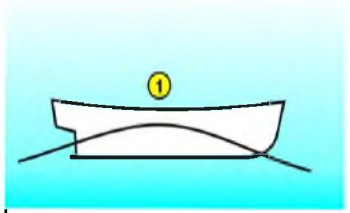
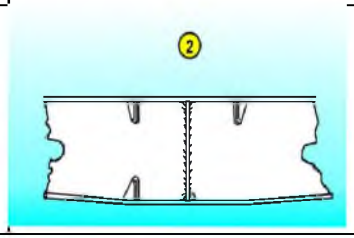
	MANTAIN SEAWORTHINESS- SHIP CONSTRUCTION					
35	What is the item of structure numbered 11 in the figure called?		Bulkhead	Floor Plate	Wash Plate	Web
36	What is the item of structure numbered 10 in the figure called?		Breast Hook	Diamond Plate	Bracket	Bow Chock
37	What is the hinge on which a rudder turns called?		Bolt	Pin	Gudgeon	Coupling
38	What is the weight a vessel can carry called?		Load Displacement	Gross Tonnage	Registered Tonnage	Deadweight
39	What is the condition in which the greatest pounding stresses in a ship are liable to occur?		Loaded, beam sea	In ballast, beam sea	Loaded, head sea	In ballast, head sea
40	Where are panting stresses for a ship most severe?		Forward	Amidships	Aft	Between the bulkheads
41	A vessel in the condition shown in Figure 1will be....		hogging	sagging	racking	twisting
42	What is the transverse curve of the deck called?		Flare	Rake	Camber	Tumblehome
43	What is the athwartships cross section structure shown in the figure2?		Box Keel	Bar Keel	Flat Plate Keel	Duct Keel

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MANTAIN SEAWORTHINESS- SHIP CONSTRUCTION						
44	What is the longitudinal curve of the deck called?		Sheer	Freeboard	Rise of Floor	Rake
45	To prevent water entering the space below, door openings on the weather deck should be constructed with approved.....		drains.	sills.	scuppers.	baffles.

GUÍA DE ESTUDIOS PILOTO NAVAL	
MANTAIN SEAWORTHINESS-SHIP CONSTRUCTION	
ANSWERS	
1	A
2	A
3	D
4	D
5	B
6	D
7	B
8	C
9	B
10	A
11	D
12	C
13	C
14	A
15	C
16	D
17	A
18	D
19	B
20	C
21	D
22	A
23	D
24	C
25	B
26	B
27	C
28	D
29	B
30	C
31	C

GUÍA DE ESTUDIOS PILOTO NAVAL	
MANTAIN SEAWORTHINESS-SHIP CONSTRUCTION	
ANSWERS	
32	D
33	D
34	A
35	C
36	A
37	C
38	D
39	D
40	A
41	A
42	C
43	C
44	A
45	B