

BK	NUM	ANS	QUESTION	ANSWER A	ANSWER B	ANSWER C	ANSWER D	ILLUST
2	35	A	In a national emergency, when communicating via the Navy, messages are sent by precedence. A message designated ROUTINE will be delivered within _____.	6 hours	3 hours	30 minutes	10 minutes or less	
2	275	C	You have taken another vessel in tow at sea. You can tell that the towing speed is too fast when the _____.	vessels are not in step	tow line feels like it is "jumping" when touched	catenary comes clear of the water	towed vessel goes "in irons"	
2	463	D	A texas bar _____.	prevents the towing hawser from snagging any equipment or gear on deck	may be equipped with a greased, free sliding spool to fairlead the towing hawser	allows the crew access to the fantail	All of the above	
2	467	D	Of which type of material may a towing hawser be constructed?	Wire rope	Nylon	Polyester	All of the above	
2	470	A	A towing hawser should be stowed _____.	in a sealed locker with adequate air circulation	by spooling it on the winch	by faking on a rack	by hanging it in the engineroom	
2	472	A	On a long ocean tow, the bridle should be made up of two equal lengths of _____.	chain	wire	nylon	polyester	
2	483	C	A towing hawser is readied for service by _____.	spooling it on a winch cathead	coiling it in a counterclockwise direction on the fantail	faking it on deck in a fore and aft direction	spooling it on a reel lying on its side to prevent rolling	
2	497	C	Which type of towing hawser is preferred for towing astern?	Manila	Polypropylene	Nylon	Polyester	
2	515	B	What is NOT an advantage of a wire towing hawser?	Easy to handle when properly spooled on the drum of a towing winch.	Has more spring and shock resistance than synthetic.	Can be used to tow heavier loads because of its smaller diameter and more manageable size.	Subject to less deterioration than syntehctic if properly maintained.	
2	547	A	Where is a surge line placed in the towing hookup?	Connected between the main towing hawser and the towing bridle	Connected between the "H" towing bits and the main towing hawser	End of line fastened directly to the drum of the towing winch	As both legs of the towing bridle	
2	573	A	An ocean towing bridle whose legs are of equal length, but too short, may _____.	put excessive strain on each leg	cause unequal distribution of the load to one leg	cause the bridle legs to jump clear of the chocks or fairleads	None of the above	

2	583	D	Which factor(s) must you consider when making up a towing bridle?	The horsepower of the tug	The beam of the barge	The weight of the tow	All of the above	
2	593	D	To lead the towing hawser over the center of the stern when not under a strain you could _____.	fairlead it through a stern roller chock	lead it through the Norman pins	hold it in the median position by a gob rope	All of the above when so equipped	
2	607	A	A lashing used to secure three or four barges at a common corner, lashed in an "X" fashion, is called a _____.	scissor wire	towing wire	breast wire	cross wire	
2	646	B	What shape barge offers the least resistance in river towing?	A square ended barge	Barges with raked shaped bows	Ship-shaped barges	Hopper barges	
2	667	D	While towing in shallow water you should consider _____.	using a short towing hawser	using a floating hawser	the catenary and the effect it may have on the tow	All of the above	
2	695	B	A tug is "in irons" when held in a fixed position by _____.	the weight of its tow, its being anchored, or grounded	the towing hawser snagged on the bottom	an adverse current	lack of power or an engine breakdown	
2	707	A	Is tripping limited to harbor and coastal towing?	No. Forces tending to capsize a tug are as dangerous on the high seas as they are in harbor and coastal work.	Yes. The long towing hawser used in ocean towing eliminates the danger of tripping.	No. Tripping is common in ocean towing because of more frequent maneuvering	Yes. Because of increased water depths, forces required to capsize a tug are not usually found in ocean towing	
2	735	B	A heavy steel curved arch constructed athwartships and above the after deck on a towing vessel is sometimes called a _____.	main brace	texas bar	jockey bar	None of the above	
2	823	C	Which statement concerning a 298 GRT inspected tug engaged in towing from Seattle, WA, to Alaska is TRUE?	A licensed Master of Towing Vessels may serve as Master.	Crew must be signed on before a Shipping Commissioner.	Each crew member must be issued a certificate of discharge at the time of discharge.	No able seamen are required.	
2	901	A	What is required to be entered into the Official Logbook?	Opening a sideport at sea to renew a gasket	The annual required stripping and cleaning of the lifeboats	The biennial weight test of the lifeboats and falls	The drafts on entering port	
2	911	C	Which entry is NOT required in the Official Logbook?	Steering gear tests	Position of the load line and freeboard upon sailing	Commencement and termination of cargo operations	Closure of hatches and sideports upon sailing	

2	921	B	Which item must be entered in the official log?	All engine orders	Drafts upon leaving port	Names of night mates and engineers	Number of cargo gangs on board	
2	1077	A	A seaman dies during a voyage. What is NOT required to be entered into the Official Log?	Statement that the Master has taken custody of the deceased's MMD and passport	An inventory of the money and property	Statement of the wages due	Statement as to the total deductions to be made from the wages	
2	1111	C	A vessel sailing from Liverpool to New York puts into Boston, Mass. for emergency repairs. If no inward foreign cargo is to be discharged at that port, which of the following documents is required?	Customs Manifest	Inward Foreign Manifest	Pro Forma Manifest	Traveling Manifest	
2	1308	B	The S.S. Sheet Bend arrives in New York after encountering heavy weather on a voyage from Cape Town. Who will note the maritime protest for the Master?	Collector of Customs	Notary Public	Officer in Charge Marine Inspection	U.S. Shipping Commissioner	
2	1637	A	Which statement about a vessel's stability while dry-docking is TRUE?	Every ton of weight bearing on the blocks acts as if a ton of weight was removed at keel level.	When the ship touches the blocks, the beam for stability purposes increases to the beam of the dry-dock.	The stability of the vessel increases as a dock is pumped out due to the support of the keel blocks.	As the dock begins to support the weight of the vessel, stability calculations are based on the ship and dock as a single unit.	
2	1840	A	You are approaching a ship that is broken down and are preparing to take her in tow. BEFORE positioning your vessel to pass the towline, you must _____.	compare the rate of drift between the ships	install chafing gear on the towline	secure the bitter end of the towing hawser to prevent loss if the tow is slipped	have traveling lizards rigged to guide the towline while it is paid-out	
2	1867	B	To overcome the effects of static forces between two vessels of vastly different tonnages that may potentially part a line, you should _____.	rig a bridle at both the bow of the disabled vessel and stern of the towing vessel	commence tow at a slow bell and increase speed incrementally	pay out extra towline and increase speed rapidly to "jump start" disabled vessel	at slow bell alter course 30 degrees to both side of disabled tow	
2	1884	C	Which material makes the strongest mooring line?	Sisal	Manila	Nylon	Polypropylene	

2	1911	A	You have determined the maneuvering characteristics of your vessel by taking the radar ranges and bearings of an isolated light while making a turn. The results are listed. Based on this data what is the transfer for a turn of 60°?	105 yards	155 yards	205 yards	255 yards	D035DG
2	1939	C	You are on a ship that has broken down and are preparing to be taken in tow. You will use your anchor cable as part of the towline. Which statement is TRUE?	The anchor cable should be veered enough to allow the towline connection to be just forward of your bow.	The anchor cable should be veered enough to allow the towline connection to be immediately astern of the towing vessel.	The strain of the tow is taken by the riding pawl, chain stopper, and anchor windlass brake.	The anchor cable should be led out through a chock, if possible, to avoid a sharp nip at the hawsepipe lip.	
2	2195	C	You have determined the maneuvering characteristics of your vessel by taking the radar ranges and bearings of an isolated light while making a turn. The results are as listed. Based on this data what is the transfer for a turn of 180°?	745 yards	770 yards	850 yards	890 yards	D035DG
2	2250	A	You have determined the maneuvering characteristics of your vessel by taking radar ranges and bearings of an isolated light while making a turn. The results are as shown. Based on this data what is the transfer for a turn of 90°?	400 yards	430 yards	485 yards	525 yards	D035DG
2	2259	C	You have determined the maneuvering characteristics of your vessel by taking radar ranges and bearings of an isolated light while making a turn. The results are as shown. Based on this data what is the advance for a turn of 90°?	490 yards	350 yards	790 yards	885 yards	D035DG
2	4054	A	"Hanging a barge off" means to _____.	moor a barge to the bank and leave	remove and deliver a loaded barge from a multiple tow	remove a barge while locking through	tow an empty barge astern	
3	248	D	What is the index error of sextant A in illustration D050NG?	0' 10" off the arc	0' 10" on the arc	3' 00" off the arc	4' 20" off the arc	D050NG
3	1754	C	The dumping of refuse in a lock is permitted _____.	when approved by the lockmaster	when locking downbound	at no time	during high water only	
3	1818	B	In order to utilize the capacity of a lock to its maximum, pleasure craft are locked through with all of the following EXCEPT _____.	coal barges	oil barges	sand barges	cement barges	

3	1825	D	You are approaching a drawbridge and have sounded the request-for-opening signal. The bridge has responded with five short blasts. How would you respond?	Five short blasts	White flag raised up and down	Confirm response on radiotelephone	Any of these signals is considered a valid response	
3	2179	D	A vessel is heading magnetic northwest and its magnetic compass indicates a heading of 312°. The quadrantal spheres are arranged athwartships. What action should be taken to remove this error during compass adjustment?	If the quadrantal spheres are all of the way in, replace them with larger ones.	If the quadrantal spheres are all of the way out, replace them with larger ones.	If the quadrantal spheres are all of the way out, move the spheres in.	If the quadrantal spheres are all of the way out, remove spheres.	D052NG
3	2187	D	The diagram represents a movable dam. If there is high water and the wickets are down so that there is an unobstructed navigable pass through the dam, what light(s) will be shown at D if the lock walls and piers are not awash?	No lights	Three red lights	Two red lights	One red light	D037NG
3	2315	C	A vessel is heading magnetic east and its magnetic compass indicates a heading of 086°. What action should be taken to remove this error during compass adjustment?	If the blue ends of the magnets are forward you should raise the fore-and-aft tray.	If the blue ends of the magnets are aft you should lower the fore-and-aft tray.	If the blue ends of the magnets are aft, and the fore-and-aft tray is at the top, you should add some magnets.	If the blue ends of the magnets are aft, and the fore-and-aft tray is at the bottom, you should reverse the magnets.	D052NG
3	2666	B	The following boats are approaching a lock. Which has priority for locking?	An pleasure yacht	Corps of Engineer towboat running empty-headed	"Delta Queen" (passenger vessel)	An integrated chemical tow	
3	2770	C	What is most likely to happen when you push a multiple tow into a countercurrent?	Going upstream you will make better speed with no danger involved.	Going downstream you will be slowed down but will keep control of the tow.	There is a risk you may lose control.	No danger exists as long as you steer a straight course through the eddy.	
3	2810	A	When steering a tow downstream around the shape of a sand bar, and staying on the proper side of the buoys, an operator should be cautious of _____.	eddies below the bar	swift current below the bar causing loss of control	cross-currents pushing the tow away from the bar	cross-currents pushing the tow into the bar	
3	2850	D	What is used to help prevent damage to barges, locks, and landings when you are locking or landing a tow?	Dock cushions	Springers	Landing bars	Possums (fenders)	
3	2950	D	On an Army Corps of Engineers navigation map, each mile A.H.P. on the Lower Mississippi River is marked by a _____.	dashed red line	number showing mileage	navigation light	black dot	
4	4314	D	In the illustration shown, the floating sheath knife is indicated as item number _____.	3	4	8	23	D014SA

4	4392	B	The fire control plan symbol that designates a space or compartment protected by Halon 1301 is _____.	10	11	12	44	D039SA
4	4441	C	On fire control plans, the dry chemical releasing station is designated by which symbol?	42	47	48	50	D039SA
5	38	A	What are the color and shape of Anconia Pt. Light at mile 528.6 AHP?	Green - Diamond	Green - Square	Red - Triangle	Red - Square	
5	51	B	As you approach Anconia Pt. Light (mile 528.6 AHP), which type of dayboard would you see on the light structure?	Green diamond	Green square	Red square	Red diamond	
5	67	D	The Gage at Red River Landing reads 22.2 feet. The LWRP for Red River is 10.6 feet. What is the water level in relation to the low water reference plane?	32.8 ft below	32.8 ft above	11.6 ft below	11.6 ft above	
5	76	B	What daymark should you see as you approach Parker Landing Light (mile 924.6 AHP)?	Green square	Green diamond	Red and green rectangle	Green triangle	
5	90	D	As you approach Giles Bend Cutoff Light (mile 367.7 AHP), what type of daymark would you see on the light structure?	None	Red diamond	Red square	Red triangle	
5	96	A	As you approach Kate Aubrey Towhead Light (mile 789.5 AHP), your searchlight will show what type of marking at the light?	Green diamond	Red and green banded square	Green triangle	Green square	
5	111	B	As you pass Solitude Lt. (mile 249.0 AHP) which dayboard would you see?	Green square	Green diamond	Red triangle	Red diamond	
5	125	A	As you approach Ashland Light (mile 378.1 AHP) which daymark would you see?	Red triangle	Red diamond	Green square	Green diamond	
5	145	A	As you approach Joseph Henry Light (mile 445.2 AHP) which daymark would you see?	Red triangle	Red diamond	Green diamond	Green square	
5	150	C	Which dayboard would you see on Puntney Light (mile 943.6 AHP)?	Green square	Green triangle	Red diamond	Red triangle	
5	158	A	Which daymark should you see as you approach French Point Light (mile 915.4 AHP)?	Red triangle	Green square	Red diamond	Green diamond	
5	683	D	Which type of daymark would you see on the Belle Island Corner Lt. at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Triangle	Red - Diamond	
5	704	C	As you approach Giles Bend Cut-off Light (mile 367.7 AHP), what type of daymark would you see on the light structure?	Green square	Green diamond	Red triangle	Red diamond	

5	1120	A	At 0850, 4 January, you pass the Gage at Natchez, MS which reads 26.8 feet. The low water reference plane (LWRP) for Natchez is 6.1 feet. What is the water level in relation to the low water reference plane?	20.7 ft above	20.7 ft below	32.9 ft above	32.9 ft below	
5	1122	C	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green diamond	Red square	Green square	Private aid - no daymark	
5	1129	C	Which daymark should you see as you approach French Point Light (mile 915.4 AHP)?	Red diamond	Green square	Red triangle	Green diamond	
5	1164	C	At 2350 on 23 June, you are at mile 610.5 AHP when you see about a mile ahead lights on the water near the left bank. What might you see when you come abreast of these lights?	Privately maintained buoys at a yacht club	Government buoys marking the Hurricane Point dikes	Barges moored at the Dennis Landing Terminal	A pipeline discharging dredge spoil	
5	1166	D	At 1032 on 24 June, you pass Carolina Landing Light(mile 508.8 AHP). What has been the average current since 2350, 23 June, if you have been making turns for 9.0 mph?	8.5 mph	5.7 mph	1.5 mph	0.5 mph	
5	1229	C	Which type of daymark would you see on the Belle Island Corner Lt. at mile 458.6 AHP?	Green - Diamond	Green - Square	Red - Diamond	Red - Triangle	
5	1240	D	As you approach Ashland Light (mile 378.1 AHP), which type of daymark would you see on the light structure?	Green square	Green diamond	Red diamond	Red triangle	
5	1248	A	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co. (mile 144.6 AHP)?	454 miles	427 miles	384 miles	370 miles	
5	1250	D	What facility is not found near La Grange Towhead Light (538.2 AHP) on Greenville Harbour?	Mississippi Limestone	Ergon, Inc.	American Commercial Barge Lines	Greenville Casino Wharf	
5	1287	C	As you approach Buckridge Light (mile 412.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green square	Green diamond	
5	1291	A	As you pass Solitude Lt. (mile 249.0 AHP) which dayboard would you see?	Green diamond	Green square	Red triangle	Red diamond	
5	1305	A	As you approach Ashland Light (mile 378.1 AHP) which daymark would you see?	Red triangle	Red diamond	Green square	Green diamond	
5	1409	B	As you pass Solitude Lt. (mile 249.0 AHP) which dayboard would you see?	Green square	Green diamond	Red triangle	Red diamond	

5	1548	D	As you approach Buckridge Light (mile 412.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green diamond	Green square
5	1685	D	As you approach Buckridge Light (mile 412.5 AHP), which type of daymark would you see on the light structure?	Red square	Green square	Red diamond	Green diamond
5	1688	D	As you approach Ashland Light (mile 378.1 AHP), which type of daymark would you see on the light structure?	Green square	Green triangle	Red diamond	Red triangle
5	1728	C	As you approach Canon Point Light (mile 418.3 AHP), what daymark will you see on the light structure?	Green square	Green diamond	Red diamond	Red triangle
5	1736	D	What are the color and shape of Joseph Henry Daymark at mile 445.2 AHP?	Red - Triangle	Green - Square	Green - Triangle	Red - Diaomond
5	1748	D	As you approach Walnut Point Light (mile 522.5 AHP), which type of daymark would you see on the light structure?	Red triangle	Green diamond	Green square	Red diamond
5	1770	C	What are the light characteriditcs of the Bunge Corporation Terminal Lights (2) at mile 570.6 AHP?	a group flashing white light every five seconds	a flashing green light every 4 seconds	a flashing green light every 6 seconds	a flashing red light every 4 seconds
5	1773	A	What daymark should you see as you approach French Point Light (mile 915.4 AHP)?	Red triangle	Green triangle	Red diamond	Green diamond
5	1806	B	In high water conditions, which publication would you consult for the latest information on buoys between Baton Rouge and Cairo?	U.S.C.G. Light List	U.S.C.G. Local Notice to Mariners	Army Corps. of Engineers Navigation Chart	List of Buoys and Daymarks
5	1807	A	As you approach Hole in the Wall Light (mile 373.4 AHP), what type of daymark would you see on the light structure?	Green square	Green diamond	Red diamond	Red square
5	1834	C	Which type of daymark would you see on the Belle Island Corner Lt. at mile 458.6 AHP?	Green diamond	Green square	Red diamond	Red triangle
5	1836	C	Which daymark should you see as you approach French Point Light (mile 915.4 AHP)?	Green diamond	Green square	Red triangle	Red diamond
5	1951	A	As you approach Ashland Light (mile 378.1 AHP) which daymark would you see?	Red triangle	Red diamond	Green square	Green diamond
5	1958	A	Which daymark would you see as you approach Red Store Light (mile 269.5 AHP)?	Green square	Green triangle	Green diamond	Red square

5	2056	A	What are the color and shape of Togo Island daymark at mile 415.0 AHP?	Green - Square	Green - Diamond	Red - Triangle	Red - Square	
5	2272	D	As you approach Buckridge Light (mile 412.5 AHP), which type of daymark would you see on the light structure?	Red diamond	Red triangle	Green diamond	Green square	
5	2351	A	What is the distance in river miles, from the new mouth of the White River to the Petroleum Fuel & Terminal Co. (mile 144.6 AHP)?	454 miles	427 miles	384 miles	370 miles	
5	2367	B	At 0850, 4 January, you pass the Gage at Natchez, MS which reads 26.8 feet. The low water reference plane (LWRP) for Natchez is 6.1 feet. What is the water level in relation to the low water reference plane?	20.7 ft below	20.7 ft above	32.9 ft below	32.9 ft above	
5	2780	C	Which type of daymark will you see as you approach Old Levee Light (mile 385.2 AHP)?	Green diamond	Red square	Green square	Private aid - no daymark	
5	2783	A	Which daymark would you see as you approach Red Store Light (mile 269.5 AHP)?	Green square	Green triangle	Green diamond	Red square	
5	3272	A	Your vessel arrives in port with sufficient fuel to steam 775 miles at 17 knots. If you are unable to take on bunkers, at what speed must you proceed to reach your next port, 977 miles distant?	15.1 knots	15.8 knots	17.2 knots	17.7 knots	
5	3273	C	Your vessel arrives in port with sufficient fuel to steam 1175 miles at 19 knots. If you are unable to take on bunkers, at what speed must you proceed to reach your next port, 1341 miles distant?	16.7 knots	17.3 knots	17.8 knots	19.4 knots	
5	14003	D	At 1430 your vessel passes under the Interstate 5 highway bridge east bound. Your engines are making RPM's for 12 mph. If the current is ebbing at 3 mph, what is your ETA at Bonneville Lock?	1744	1753	1834	1848	
5	15029	A	What type of daymark will you see as you approach Gold Dust Bar Light (mile 793.3 AHP) ?	Red diamond	Red triangle	Green square	Green diamond	
5	15723	D	What daymark should you see as you approach Parker Landing Light (mile 924.6 AHP)?	Green square	Green triangle	Red and green rectangle	Green diamond	
5	15827	C	As you approach Giles Bend Cutoff Light (mile 367.7 AHP), what type of daymark would you see on the light structure?	Green diamond	Green triangle	Red triangle	Red diamond	