**Chief Mate Unlimited Orals**

**Candidate:**

**Examiner Cpt. Irwin De Graft**

31st May 2016

Joining a Bulk Carrier LOA 340 Mts with Lots of cargo holds. Chief Mate is gone and you will be taking over your Duties from Captain. What Source of Info you need to know to Carry out your duties.

You will be loading Coal what Info do you need to prepare the Operation.

What info you will find in the Shippers declaration. He showed me one completed for coal and asked me the meanings of Stowage Factor, MTL, density, Class A B C as per IMSBC code. He showed me a Stowage Factor and asked me the difference with grain...do you have bigger or smaller SF in grain Cargo? How do you calculate the density of the Cargo?

What is DWA? Formula? TPC? IS TPC a constant Value?

The Agent gives you info that density of Dock water is 1,005? Will you believe that? Any other form to calculate density of the water? Where would you put the bucket for getting the Density of the water FWD midships or AFT and why?

**Load Line Survey and Conditions of Assignment**

Showed me a picture of a vessel Draft Marks and asked me what draft do you Read. How thick (in mm) are the Draft lines next to the digits

What is the meaning of the Triangle on bulk carriers? On which certificate on board you have reference about the Triangle?

What is OHSMI Act? HSR? Can you be and HSR?

What is P and I? How often you renew the certificates? What kind of insurance is Cover by P and I?

**Condition Of Class**

What is Statutory Certificates? Name some of them?

Where can you find info about the drills and intervals? Tell me Some drills and Intervals?

What info must be recorded in the Official Logbook?

Captain asked you to make an emergency steering Gear Drill for the crew? Explain the full Procedure.

ISM? Certificates (DOC and SMC) validity and surveys? What is SMS?

Marpol? To Whom is Applicable? Annexes of Marpol?

What info is contained in SOPEP.

Cook calls and tells you that he wants to dump galley residues. You are outside 12 nm from port. What is your action.
Preparations for Loading IMDG cargo on Board container vessel? Tell me What info you will find in chapter 2 part 3? DOC for DG cargo and info that you get from this Document.

What is Loll. What stopped the vessel to keep on heeling and end up Capsizing. Show me and explain me in the Graph.

Showed me 3 GZ Curves with no Info only the Curves and Asked me which one got the biggest GM.

What is the sector of the Towing Light.

Two ships passing very close to each other. What is the Interaction Effect. Explain me (and he put to ship models on the table) and How can you minimize the Effect.

MOB Starboard side..to which side would you turn...and continue with the Full procedure..

What info you find in IAMSAR Volume 3. Explain Search and Rescue Patterns

Cadet is lookout. How will you train him for that job, What info he needs to report to you.

What is AIS and Info that provide?Can you use it for Collision avoidance? Why?

Fully electronic chart vessel how do you plot Position?Can you trust the Position from GPS?Can you Plot a position on the electronic chart taking range and bearing from Radar?

Captain asked you to help second mate to prepare passage plan. How would you do that? Where do you get Info?. What conventions apply during the passage Plan?

What is a Pilot Chart. What info you get there

Pilot comes on board captain asked you to do the master pilot info exchange.explain

During Passage in Narrow channel pilot say to you that he will be changing the plan and will alter the course a bit later due to traffic situation and tides, he is gonna pass very close to a shallow area. Would you let him to do the operation? Captain is not available so you have to take decision and explain why?

Bosun tells you that he made a Pilot Ladder and is ready for use.Can you use it?

Showed me a paper chart from singapore and asked if I can use it for Navigation right away or I need to check something before using it? Meanings of VTS Symbol and special mark symbol

What is deviation? You have a Deviation of 8 degrees and During the Transit in Singapore along the chart would you have the same deviation all the time?

Rules of the Road

Explain rule 18 .Fishing boat and sailing Boat. How is stand on?

Restricted visibility crossing situation. How is Stand On.?

Restricted visibility. One vessel Port Bow another Stbd Bow and another Stbd quarter slower than You.where do you Go? Do you sound fog Signal?

Flip Cards for lights and IALA A and B. He asked to put the top of the marks(Cardinal, Isolated danger)

All The Best>>