Irwin started by giving me a run down of the requirement that we need to keep the questions moving as we only have 90 mins to get everything done.

What do you need with you to join the vessel?
Went into the S.E.A, wanted to hear what was found on it and why it was required. MLC
How do you know if you are MLC compliant? Cert, copy of convention, declaration P1 and P2.
Chief mate handover, what is in it?
Cargo plan, what is in it?
What do we have that can help while conducting cargo? Loadicator
What vessels need it?
How do your know it is good to go?
What does it give you, why do we have it? SF and BM. Gives accurate indication of forces.
Can you exceed the SF/BM limits? Yes, while loading in still water as long as you are under your sea limits when you're finished.
What are the two forces that effect BM? Hogging and sagging
Loading iron ore what needs to happen prior to? Prep, IMSBC, BLU, Ship Dec Shippers Declaration, what is the requirements? What is on it?
Now going to load DG containers on the hatches, they just rocked up without prior notice, would you load? Why not? Multimodal,
They are Class 3 what would they be?
Got the multi modal and its all good to go, what are your considerations when loading? Hatch covers, segregation, Document of compliance to Load Class 3 DG
New 2nd mate and you need to impart your knowledge of passage planning.
Stages of planning. Documents and references used. COLREGS, MARPOL, UNCLOS, Load Line Convention.
How do you know your primary means of navigation? Form E
ECDIS requirements
LL Zones, what are they for and why are they different? Prevailing weather in those zones, tropical is generally better weather so you can load more
Draw a stick diagram of plimsol, STBD side
FWA, show on LL diagram
Asked about loading past zones and when you can do it
Went into DWA and gave me a calculation to do
Pulled out the Singapore chart. Asked if we could use it. Told him that there was better scale charts but this one was useful for planning. Also wanted WGS84, updated correctly, Cumulative list.
Did characteristics of features in chart. Sector light. What would you see approaching. Iso danger. Nominal range. Height from MHWS.
Going in to port and intend on taking bunkers. Considerations?
Had a spill what do you do? Stop, SOPEP
Captain is ashore what do you need to do? POLREP, Form 18
Cadet onboard and he is new, asked you to define a good lookout. All available means. Outlined use of AIS, RADAR X and S
Wanted to know why we don’t use AIS for collision avoidance
Drills
Certificates you would expect to see onboard, stopped at safety certificates and
wanted me to go thru the equipment on Form E.
Then to lifeboats, testing requirements. Asked what the requirement was for
lifeboat hooks and who can do it.
Loading cargo and you find you have an angle of loll, what is it and how do you
fix?
Ballasting considerations.
Draft survey and what would you use? Hydrometer
Draft mark reading
ROTR. Define safe speed. Give way and Stand-on Vessel (a few scenarios), who
are they? Then actions. Rule 19. Had a vessel stbd quarter and one fwd of beam
coming at us. Stbd quarter was slower and I indicated there was no ROC so we
could come stbd to clear the one fwd.
Bouys. Top marks, light characteristics.
Got up and shook my hand. Overall it seemed to follow a similar pattern as
previous orals and it didn’t feel like there was any out-there questions. It went
much quicker than I expected and as long as you started answering well he
would stop you and ask the next question.
Good luck!