Second Mates Orals Examination Questions and Answers As Supplied By Australian Maritime College Students in 1999

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Examiner: Capt. Fitzpatrick  
Date: 17 December 1999  
Candidate: Y. Yogadev (Dev)  
Time: 1345 - 1420  
Result: Passed (1st Attempt)

- He asked about my last vessel (which was a bulky), last cargo and what precautions were taken while loading and discharging.
- Soon after that he threw the flip cards (Day shapes, Flags and Numbers).
- Then came the sextant - he gave an off-the arc reading.
- Asked me what the adjustable errors are.
- How to correct the Index error- by day and by night and which is the best way.
- The sextant went away and came the Hydrostatic Release Unit.
- Asked how I will secure the HRU to a life-raft.
- How does the HRY work after I have secured it to the life-raft?
- How will I launch an inflatable life-raft.
- Is it a good practice to remove the painter from the HRU and secure it on a strong place on the ship?
- My answer was NO and he asked the reason for that.
- Fire extinguishers on board my last vessel.
- Since there was no foam on board my last vessel - he asked why.
- What are the fires foam can be used for?
- He asked me if I've got a fire on board one of the cabins and what action I will take.
- Which fire extinguisher I will first use whether or not I can use foam.
Well, this was the day of my life as I took my death march to face Capt. Fitzy, who had come to pass me today. He got a bit late while I got a bit more nervous – but soon after I entered the room, he started with the paper works and then he begun:

- He asked about my last vessel (which was a bulky), last cargo and what precautions were taken while loading and discharging.

**How do you ascertain risk of collision.**
- Now he started the his favourite game of ROR

---

**+ Action**

+ What she’ll sound in restricted vis
+ Action and why

+ Action and why
+ Identify the vsl

+ Action and why
+ Identify the vsl

+ Action and why
+ She is closing in
+ She is not taking any actions

+ Action and why
+ Identify the vsl

+ Action and why
Soon after that he threw the flip cards (Day shapes, Flags and Numbers).
Then came the sextant – he gave me a off-the-arc reading.
Asked me what the adjustable errors are.
How to correct the Index error – by day and by night and which is the best way.
The sextant went away and came the Hydrostatic Release Unit.
 Asked how I will secure the HRU to a life-raft.
How does the HRU works after I have secured it to the life-raft.
How I will launch a inflatable life-raft.
Is it a good practice to remove the painter from the HRU and secure it on a strong place on the ship.
My answer was NO and he asked the reason for that.
Fire extinguishers on board my last vessel.
Since there was no Foam on board my last vessel – he asked why.
What are the fires Foam can be used for
He asked me if I’ve got a fire on board one of the cabins and what action I will take.
Which fire extinguisher I will first use and whether or not I can use Foam.

That was it – capt.Fitzpatrick said the words I’ve been waiting to hear
"Ok mr.yogadev I’ll give you a pass"

My first thanks to the all mighty god and Dad/Mum for all the courage and support they
Have given me including sending me here.

All thanks to my bro Yogaraj, who helped me out all way through – without whom I couldn’t
Have achieved this.

My special thanks to Capt.E.Warried who came out of his way to help us through.

My sincere thanks to Capt.Anura, Capt.Rakesh, Capt.Radrigues, Capt.Ulf and the rest of the staff
for all the support they’ve given me.

My very special thanks to Michael Gooding and Jim Munro who guided me through out from the
beginning.

Finally my friends Derrick, Manjula, Sanjeeva, Merl, Mario and my batch mates Russel and kulwant
For their morale support.

My best wishes to all of you who are going to face capt.Fitz – Just remember he is there
 to pass you all – as long as your RoR is 100% and always answer positively.

Yogendra yogadev
Srilanka
Block-99/B
2nd Mates Orals Exam
Candidate: Yogendram Yogaraj
Examiner: Capt. T.M. Fitzpatrick
Date: 22nd November 1999
Time: From 1115 hrs to 1152 hrs (37 mins)
Results: Passed - 1st Attempt

After completing all the formalities he gave me the sextant and asked me the following questions:

1. What are the adjustable error?
2. What is the index error?
3. How do you check the index error?
4. How do you correct the index error?
5. What is a collimation error?
6. Do all sextants have collimation errors?
7. Gave me off the arc reading (3 degrees 10 minutes off the arc)

Then Started with HRU

1. Do you know what this is?
2. Where do you find this?
3. How do you assemble the HRU on to a liferaft?
4. How it works?
5. How will you launch a liferaft manually from a stored position?
6. How will you & the rest of the crew board the liferaft?
7. How will you release the painter?
8. Where do you find the knife and where is it positioned?
9. How will you get away from the ship?
10. If you have jumped overboard and you find a liferaft popping up from a sinking ship after it inflates which person is to board the liferaft?

Buoys Characteristics & Lights

1. Define flashing
2. Define isophase
3. Define occulting

Again to general questions

1. What is a marine notice?
2. What is a marine order?
3. What do you find in notices to mariners?
4. You join a vessel as a 2nd mate how will you find that your charts are corrected?
5. What is a cumulative list?
6. What is DWT?
7. Your vessel is loading iron ore in Australia and you are the 2nd Mate and the master wants to find the cargo loaded. How will you find it?
8. About enclosed space entry (all important points)
9. What are the hazards found in a ballast tank?
10. Your vessel is coming to Australia, how will you find out that your vessel is complying with Australian regulations for LSA and FFA?
CANDIDATE: YOGENDRAM YOGARAJ
EXAMINER: CAPT. T.M. FITZPATRICK

DATE: 22ND NOVEMBER 1999
TIME: FROM 1115 HRS TO: 1152 HRS (37 mins)

RESULTS: PASSED - 1ST ATTEMPT

AFTER COMPLETING ALL THE FORMALITIES HE GAVE ME THE Sextant AND ASKED ME THE FOLLOWING QUESTIONS:

1. WHAT ARE THE ADJUSTABLE ERRORS?
2. WHAT IS INDEX ERROR?
3. HOW DO YOU CHECK THE INDEX ERROR?
4. HOW DO YOU CORRECT THE INDEX ERROR?
5. WHAT IS COLLIMATION ERROR?
6. DOES ALL SEXTANTS HAVE COLLIMATION ERROR?
7. GAVE ME OFF THE ARC READING (3 DEGREES 10 MINUTES OFF THE ARC)

THEN STARTED WITH HRU

1. DO YOU KNOW WHAT THIS IS?
2. WHERE DO YOU FIND THIS?
3. HOW DO YOU ASSEMBLE THE HRU ON TO A LIFERAFT?
4. HOW IT WORKS?
5. HOW WILL YOU LAUNCH A LIFERAFT MANUALLY FROM A STORED POSITION?
6. HOW WILL YOU & THE REST OF THE CREW WILL BOARD THE LIFERAFT?
7. HOW WILL YOU RELEASE THE PAINTER?
8. WHERE DO FIND THE KNIFE & WHERE IT IS POSITIONED?
9. HOW WILL YOU GET AWAY FROM THE SHIP?
10. IF YOU HAVE JUMPED OVERBOARD AND YOU FIND A LIFERAFT POPPING UP FROM A SINKING SHIP AFTER IT INFLATES WHICH PERSON IS TO BOARD THE LIFERAFT?

1. HOW WILL YOU ASCERTAIN RISK OF COLLISION?
SITUATIONS:

1. \( \text{R} \quad \text{W} \quad \text{R} \)
2. \( \text{R} \quad \text{W} \)
3. \( \text{W} \quad \text{R} \)

Action

Action / What that White light indicating?

4. \( \text{W} \quad \text{G} \)
5. \( \text{W} \quad \text{R} \)
6. \( \text{W} \quad \text{G} \)

Action

Action

Action

7. \( \text{W} \quad \text{R} \quad \text{W} \quad \text{W} \quad \text{R} \quad \text{G} \quad \text{G} \)
8. \( \text{W} \quad \text{G} \quad \text{W} \quad \text{W} \quad \text{G} \)

Describe / Dayshapes /
Dimensions of dayshapes /
Action / What will other vs! do?

Action / She is not taking action what will you do / will you a/c Port? / Why?
DAYSHAPES FROM LIBRARY CARDS

1. ALL ABOUT VESSEL CBD
2. SAILING VESSEL UNDER POWER AT NIGHT TIME WHAT IT SHOWS
3. OPTIONAL SIGNALS BY A VESSEL AT ANCHOR (ROMEO)

BUOYS CHARACTERISTICS & LIGHTS

1. DEFINE FLASHING
2. DEFINE ISOPHASE
3. DEFINE OCCULTING

AGAIN TO GENERAL QUESTIONS:

1. WHAT IS MARINE NOTICE?
2. WHAT IS MARINE ORDER?
3. WHAT DO YOU FIND IN NOTICES TO MARINERS?
4. YOU JOIN A VESSEL AS A 2ND MATE HOW WILL YOU FIND THAT YOUR CHARTS ARE CORRECTED?
5. WHAT IS CUMULATIVE LIST?
6. WHAT IS DWT?
7. YOUR VESSEL IS LOADING IRON ORE IN AUSTRALIA AND YOU ARE THE 2ND MATE AND THE MASTER WANTS TO FIND THE CARGO LOADED, HOW WILL YOU FIND?
8. ABOUT ENCLOSED SPACE ENTRY (ALL IMPORTANT POINTS)
9. WHAT ARE THE HAZARDS FOUND IN A BALLAST TANK?
10. YOUR VESSEL IS COMING TO AUSTRALIA, HOW WILL YOU FIND OUT THAT YOUR VESSEL IS COMPLYING WITH AUSTRALIAN REGULATIONS FOR LSA & FFA?

THEN HE SAID THE FINAL WORD WHAT I WAS AWAITING FOR:
OK, MR. YOGARAJ, YOU HAVE GIVEN ME A VERY GOOD ACCOUNT OF YOURSELF AND I GIVE YOU PASS.

MY GENERAL OPINION IS THAT CAPT. FITZPATRICK IS A VERY NICE MAN. HE IS THERE TO PASS YOU. YOUR ROR SHOULD BE 100%. ALWAYS BE CONFIDENT AND SHOW CONFIDENCE.

HARD WORK PAYS OFF...

MY SINCERE THANKS TO CAPT. ANURA SENEVIRATNE, CAPT. RAKEESH PANDIT, CAPT. IAN RODRIGUEZ, CAPT. IAN SHEA, CAPT. TONY BOYLE, CAPT. I. NIELSON, CAPT. U. SCHRIEVER AND ALL OTHERS AT AMC.

SPECIAL THANKS TO CAPT. E. WARREDI, WHO CAME OUT OF HIS WAY TO HELP US IN ROR.

NOT TO FORGET MY COLLEAGUES MICHAEL GOODING AND JIM MUNRO WHO HELPED ME TO PREPARE FOR MY ORALS.

FINALLY I WISH MY BATCH MATES OF B/99: MY BRO YOGADEV, RUSSEL, KULWANT, LLOYD AND BEHRAAM ALL THE VERY BEST IN THEIR ORALS...

THANKS A LOT TO GOD, MY PARENTS AND MY WIFE FOR THEIR CONSTANT ENCOURAGEMENT AND SUPPORT.

BEST OF LUCK TO ALL 2ND MATES CANDIDATES.

ITS PAIN...ITS FUN...BUT IT WILL WORK...

YOGENDRAM YOGARAJ
GROUP B/99
SRI LANKA
Name: Ritesh Bhamaria
Examiner: Capt. J.M. Fitzpatrick
Attempt: First
Date: 18.11.99
Time: 1430 - 1520

Q. Last ship - general cargo

Q. Cargo gear used? Derricks (rigging union purchase)

Q. What is the SWL for U.P?

Q. What is the maximum angle between the runners?

Q. Can you exceed the safe angle between the runners?

Q. What would be the effects on SWL every ten degrees of increase in angle and what would be the stresses in relation to the SWL?

Q. Name all the guys on the UP and detail all the functions of them.

Q. Can you demonstrate the rigging of the UP by drawing.

Q. So you have to lift the load equal to SWL of single derrick how would you do that? Would you do it with a single wire on ur derrick (he was looking for the gun tackle).

Q. How would you rig a gun tackle show it with diagram? I drew the diagram but he wasn’t very happy. He put the paper aside.

He gave me the situations. Day signal cards and then the buoyage cards. Flag cards.

Q. He gave me HRU and asked me how would it be attached to the ship. And asked me the operation of it.

Q. How would you inflate the L/Raft?

Q. How would you ask people to board it (The accommodation ladder he wants should have the same specifications as the pilot ladder)?

Q. How would you move away from the sinking ship with your L/Raft?

Q. He asked me the specifications of a pilot ladder.

Q. How would you take over the navigation watch in night time?

Q. Fire in accommodation.

Q. Displacement, Deadweight, DWA, FWA.
Q. How would you ascertain the position of your vessel at anchor?

Q. How would you ascertain a vessel dragging anchor? Procedure for dragging anchor.

Q. Up to how much depth can the hand lead line be used and how would it lead if the ship is dragging anchor?

Q. Length of one shackle? How many shackles did you have on your last ship?

Q. How will you mark the fourth shackle?

Q. What is fathom? How much is one fathom? Are you aware of the fathom charts?

Q. Procedure for slipping off the anchor cable.

Q. Under what circumstances is the anchor cable slipped off?
Q. Last ship - general cargo

Q. Cargo gear used? derricks (rigging union purchase)

Then he asked me So Mr. Bhamaaria your last ship was a general cargo vessel. It has been a long time since after you signed off from your last ship. When did you come to Australian Maritime College (He was suspecting that I have managed to reach orals after many attempts in the blocks).

Answer March 1999 sir looking straight into his eyes.

He gave me a stern look for some moments. I smiled to myself.

Q. What is the SWL for U.P.
Q. What is the maximum angle between the runners
Q. Can you exceed the safe angle between the runners.
Q. what would be the effects on SWL every ten degrees of increase in angle and what would be the stresses in relation to the SWL.
Q. Name all the guys on the UP and detail all the functions of them.
Q. Can you demonstrate the rigging of the UP by drawing.
Q. So you have to lift the load equal to swl of single derrick how would u do that. Would you do it with a single wire on ur derrick ( he was looking for the gun tackle)
Q. How would u rig a gun tackle show it with diagram.
I drew the diagram but he wasn’t very happy. He put the paper aside.

Then he started with ROR. The situations I have attached in the end.

Q. How would you ascertain risk of collision exists.
Q. Which bearings would you take on the ship.
Q. If your Gyro reads 3 degree high would you apply this error to the gyro bearings you take for collision avoidance.
Q. Gyro Failure action.
Q. Where was the magnetic compass on your last ship located
Q. How would you take the bearings on magnetic compass in such situation

He gave me the situation. Day signal cards and then the buoyage cards. Flag cards.

Q. He gave me HRU and asked me how would it be attached to the ship. And asked me the operation of it.
Q. How would you inflate the L/Raft.
Q. How would you ask people to board it (The acomodation ladder he wants should have the same specifications as the pilot ladder)
Q. How would you move away from the sinking ship with your L/Raft.
Q. He asked me the specifications of a pilot ladder.
Q. How would you take over the navigation watch in night time.
Q. Fire in acomodation.
Q. Displacement, Deadweight, DWA, FWA.
Q. How would you ascertain the posn of your vessel at anchor.
Q. How would you ascertain vessel dragging anchor. Procedure for dragging anchor
Q. Upto how much depth can the hand lead line be used and how would it lead if the ship is dragging anchor
Q. length of one shackle? how many shackles did u have on your last ship?
Q. How will u mark the fourth shackle.
Q. what is fathom, how much is one fathom. Are u aware of the fathorn charts.
1. ACTION
2. WHY WOULD YOU ALTER
3. WILL YOU BE ABLE TO HEAR HER SIGNALS OR READ THE EMISSING LIGHTS?

4. ACTION
5. WHAT WOULD SHE DO?

6. ACTION
7. WHAT WOULD SHE DO?
8. WHY?

9. ACTION
10. WHAT WOULD SHE DO?
11. WHY OVER-TAKE US?
12. HER LIGHTS LOOK LIKE IF SHE OVER-TAKES YOU FROM BEHIND?
11. OR OR
   G

12. ACTION
   WHY TO PORT
   WHAT IS THAT VSL DOING?
   FOG SIGNAL

13. OR OR
   OR OR
   OR OR
   OR
   OR
   G

14. ACTION
   FOG SIGNAL
   DAY SIGNAL

15. IS OR
   OR
   O

16. TARGET IN 1K CLOSING

17. OR OR
   O OR

18. ACTION
   WHAT IS SHE DOING
   FOG SIGNAL

19. TYPE OF USE
   FOG SIGNAL
   DAY SIGNAL

S A M E  S I T U A T I O N S H E  I S  T A K I N G A C T I O N WILL %
G O T O  S T B D  O R  P O R T
He asked me to draw bitter end.

Q. Procedure for slipping off the anchor cable.
Q. Under what circumstance is the anchor cable slipped off.

Then he once again gave me the diagram I had drawn on the gun tackle. I realised my mistake and this time I redrew it. He then told me the golden words.

Ok Mr. Bhamaria. You have been good with other questions except the one on the gun tackle in the beginning. So I pass you. These were the words I was longing to hear.

My special thanks to all Mr. Manpreet Singh Bhullar, Mr. Gurpreet Singh Bhullar, Mr. Pallash Chatterjee, Mr. Jehangir Alam Chowdary (Chacha), Mr. Ashraff Ul Islam (Engineer chief’s ticket), Mr. Sunil Monga Mr. Burzeen Danta, and all others who extended their support and compliments to me.

My special thanks to Mr. John Millward, Mr. Anura, Mr. Ian Shea, Mr. Rodrigues. And the most special ones Mr. Rakesh Pandit, Mr. Rob Pullton, Mr. Larry Piper. Who helped me throughout in shaping my Cargo ships cargo gear and my ROR for whom I’ll always have regards.

And all the best to all of you from this happy man returning to his home Bombay India. Wishing that all must clear in AMC.

JAI SWAMINARAYAN
Swaminarayan shahay badhi chinta tali jaye
Second Mate Class 1 Orals

Date: 20/5/99
Examiner: Capt. Fitzpatrick
Candidate: Chanderjit Singh - D/98
Time: 1145 - 1215 hrs
Result: Pass

1) He showed me some flip cards (library cards) Day signals. He asked some questions in between i.e. VSL constrained by Draft - what lights she will show at night time?
   - VSL aground is she in distress?
   - you see a VSL aground with flag NC what’s your action?

Buoyage System - Australia in which region?
- Port hand lateral mark - which side you will pass? Sound cardinal mark how will you pass. Flags - Z, T, E, J, O, S, 1 9, 6, answering pendent.

2) What was your last ship? (Crude Oil Tanker)

3) You are discharging what precautions will you take for pumproom entry?

4) You see somebody collapsed in the pumproom what will you do? Cooperation is going on.

5) You are loading, suddenly you see an oil fountain coming from the manifold your plan of action?

6) Connection of loading Arm/Hose - what isolation?

7) Why is this isolation there? How will you check that it is working properly? In which publication will you find information about this?

8) What is Tanker Man Bible? (It is Isgott)

9) What fire fighting system you had in the pumproom?

10) Then he asked me that lifeboat you had on your last ship (Open L/Boat)

11) You are the incharge, everybody mustered, you are sinking, wind force - 8 from right head, how will you get away from the USL?

12) You are in the L/Boat and your USL is no more sinking. Will you come back on board? How?

13) How will you plan a passage?

14) Will you plan your passage from pilotage to pilotage?
15) How will you come to know that your radar is operating properly? (my answer was with the help of performance monitor)

16) Suppose your performance monitor is not working properly. How will you tune your radar?

17) Have you heard of Y2K? Tell me something about it?
Second Mate Class 1 ORALS

Date - 20/5/99
Examiner - Capt. Fitz Patrick
Candidate - Chandrjit Singh - D/98
Time - 1145 - 1215 HRS
Result - Pass

He started with R.O.R.
1) How do you ascertain risk of collision?
2) You see a white light on STBD Bow. What will you do?
3) Then he started with R.O.R. situations -
   1) OR OW
      Action?
      All about the VSL?
      Fog, Signal?

\[ \Delta o/v \]

2) OW OW OR
   Action?
   Other VSL Action?
   Fog, Signal?

\[ \Delta o/v \]

3) OW OR
   Action?
   How much do you alter?
This is Approx. 3 PM.

Action on Port Bow?

Other USL Action?

What if there is a USL on starboard side, what will you do?

Action?

What will you do?
4) THEN SHOWED ME SOME FLIP CARDS (LIBRARY CARDS) DAY SIGNALS - HE ASKED SOME QUESTIONS IN BETWEEN I.E. VSL CONSTRAINED BY DRAFT - WHAT LIGHTS SHE WILL SHOW AT NIGHT TIME?
- VSL AGROUND IS SHE IN DISTRESS?
- IF I SEE A VSL AGROUND WITH FLAG NC WHATS YOUR ACTION?
BUOYAGE SYSTEM - AUSTRALIA IN WHICH REGION?
- PORT HAND LATERAL MARK - WHICH SIDE YOU WILL PASS? SOUNDED CARDINAL MARK HOW WILL YOU PASS?
FLAGS - Z, T, E, J, O, S, I, 9, 6, ANSWERING PENDANT.

5) WHAT WAS YOUR LAST SHIP (CRUDE OIL TANKER)
6) YOU ARE DISCHARGING WHAT PRECAUTIONS WILL YOU TAKE FOR PUMPROOM ENTRY?
7) YOU SAW SOMEBODY COLLAPSED IN THE PUMPROOM. WHAT WILL YOU DO? CGO OPERATION IS GOING ON?
8) YOU ARE LOADING SUDDENLY YOU SAW OIL FOUNTAIN COMING FROM MANIFOLD. YOUR PLAN OF ACTION?
9) CONNECTION OF LOADING ARM/HOSE - WHAT ISOLATION?
10) WHY THIS ISOLATION IS THERE? HOW WILL YOU CHECK THAT IS WORKING PROPERLY? IN WHICH PUBLICATION YOU WILL FIND INFORMATION ABOUT THIS.
11) WHAT IS TANKER MAN BIBLE (IT IS TSGOTT)
12) WHAT FIRE FIGHTING SYSTEM YOU HAD IN PUMPROOM?
13) THEN HE ASKED ME WHAT LIFEBOAT YOU HAD ON YOUR LAST SHIP (OPEN 4/BOAT)
14) YOU ARE THE INCHARGE, EVERYBODY MUSTERED, YOU ARE SINKING, WIND FORCE-8 FROM RIGHT HEAD, HOW WILL YOU GET AWAY FROM THE VSL?
15) YOU ARE IN 4/BOAT AND YOUR VSL IS NO MORE SINKING. WILL YOU COME BACK ON BOARD? HOW?
15) How will you plan a passage?
17) Will you plan your passage from pilotage to pilotage?
18) How will you come to know that your radar is operating properly? (My ans was with the help of performance monitor)
19) Suppose your performance monitor not working properly how will you tune your radar?
20) Have you heard of Y2K? Tell me about it?

Then he said, Mr. Singh I'll give you a pass?!!

So that was it. Guys, make sure your R.O.R is perfect. Capt. Fitz Patrick is there to pass you.

I Sincerely thanks to all my teachers and specially to Mr. Ian Shea, Mr. Ian Rodriguez, Mr. Anura, Mr. Rakesh Pandit and all my friends and batchmates they are Vimal, Umesh, Madhu, Hasib and all others.

Wish you all a good luck.

Chanderjit Singh
Name: A.M. Sadiqul Islam (2nd Mate)  
Examiner: Capt. J.M. Fitzpatrick  
Attempt: First  
Date: 11.02.99  
Time: 11:35 - 12:15 (40 Min)  
Result: Pass  

Q. What was your last ship?  
Q. What sort of cargoes did you carry?  
Q. Once discharged how did you go about preparing the hatches for loading?  
Q. What checks did you make after washing the hatches?  
Q. What checks did you make in hold bilges?  
Q. What type of valves are fitted in bilges; What's their function?  
Q. Loading procedures and precautions of your last cargo?  
Q. What was the trade route of your last ship?  
Q. You are now the officer of the watch......(he started R.o.R. situations. The situations were very straightforward ones and are already repeated over and over again in the orals-prep book.)  
Q. IALA Buoyage System and Flags - mainly identification.  
Q. How would you rig a pilot ladder at night?  
Q. You are tending the pilot ladder while the pilot is boarding. Suddenly the pilot falls overboard - your actions.  
Q. How would you go about recovering the pilot?  
Q. Have you heard about the millennium bug? What do you know about it?  
Q. What equipment/machineries are likely to be affected by it?  
Q. Where did you have your emergency fire pump? Why is it separated from the machinery space?  
Q. How many fire pumps did you have in the Engine Room?  
Q. What is the function of isolation valves?  
Q. If you have a fire in the Engine Room would you use the isolation valve? Why?
Q. What type of fixed fire-fighting extinguishers were installed in your last ship? (CO2)

Q. You have fire in No 1 lower hold. The captain has instructed you to flood it with CO2 your actions?

Q. What was the arrangements of your CO2 system?
Name: A.M. Sadiqul Islam (2nd Mate)  Date: 11.02.99
Examiner: Capt. J.M. Fitzpatrick  Time: 11:35 – 12:15 (40 min)
Attempt: First  Result: Pass

Q. What was your last ship?

Q. What sort of cargoes did you carry?

Q. Once discharged how did you go about preparing the hatches for loading?

Q. What checks did you make after washing the hatches?

Q. What checks did you make in hold bilges?

Q. What type of valves are fitted in bilges; What's their function?

Q. Loading procedures and precautions of your last cargo?

Q. What was the trade route of your last ship?

Q. You are now the officer of the watch …… (he started R.o.R situations. The situations were very straightforward ones and are already repeated over and over again in the orals-prep book.)

Q. How would you determine your vessel is dragging her anchor in restricted visibility?

Q. IAL.A Buoyage System and Flags - mainly identification.

Q. How would you rig a pilot ladder at night?

Q. You are tending the pilot ladder while the pilot is boarding. Suddenly the pilot falls overboard - your actions.

Q. How would you go about recovering the pilot?

Q. Have you heard about the millennium bug? What do you know about it?

Q. What equipments/machineries are likely to be affected by it?

Q. Where did you have your emergency fire pump? Why is it separated from the machinery space?

Q. How many fire pumps did you have in Engine Room?
Q. What is the function of isolation valves?

Q. If you have fire in Engine Room would you use the isolation valve? Why?

Q. What type of fixed fire-fighting extinguishers were installed in your last ship? (CO2)

Q. You have fire in no 1 lower hold. The captain has instructed you to flood it with CO2 your actions?

Q. What was the arrangements of your CO2 system?

OK gentleman, I have heard some good answers today - I pass you.

My advice to future candidates: “Look guys, start preparing for your orals, step by step, from the day you start your studies at the college so by the time you have finished your written exams you should already be prepared for your orals. The only thing that you need now is the ability to show the surveyor that you know what you need to know. Keep your confidence, justify your answers and ... go for it. Good luck.”

I would like to thank all the AMC lecturers, staffs and library staffs for their guidance and constant support.
1. What is J.G? What is deck seal? P/V valve?
2. How do you change over from liquid to bulk dry cargo? (I was on an OBO).
3. What are M. Notices, Marine Notices, Marine Orders? What are the M.O. for LSA and JJA.
4. What kind of strengthening did you have on your last ship?
5. What do you mean by ‘Anchor Brought Up To’?
6. How do you rig a pilot ladder?
7. How is the HRU connected to the liferaft and float free boxes on deck?
8. How do you launch liferafts? How do you get into liferafts? How do you clear L/R from SH? How are rations distributed in a L/R?
9. Asked me about Emergency Steering? Draw the Location of Emergency Steering & Its Operation?
10. What is transverse thrust? Do a short round turn with wooden model of ship having right hand J.P.P?
11. What is CPP?
12. What is MERSAR?
DATE: 11/02

2nd Mates  Candidate: Md. Asif Jafarani
Examiner: Capt. Fitzpatrick
Time: 1330 - 1410
Result: Passed.

When I first entered into the examiners room, I was really nervous & my heart was pounding. However, Capt. Fitzpatrick is quite a cool dude. He asked me for my Medical certificate & then we started the battle royal. It was something like this:

1. How do you determine Risk of Collision?

2. From where do you take Compass Bearings? When gyro failure what action? Do you apply Compass Error to your Bearings?

3. Then he started with R.O.R

   (i)  

   (ii)  

   (iii)  

Action, fog signal
Action taken by other vessel.
Identify, action, fog signal, day signal.
(v)  

R  
R  
W  

W  
W  

Identify action, fog signal

(vi)  

R  
W  
W  

Identify action, fog signal, day signal

(vii)  

R  
W  

Identify action, fog signal & day signal
Anchor signal
After this he kept the board down and removed the flip cards. Guys only do the library flip cards as that is all he ever asks.

He showed me flags: P, I, 4, 3, B.

Flip cards: Region 'A' only.

Dry cards: NUC, Aground, sailing VL, propelled by machinery.

Once I finished this I knew that half the battle was won. He then started general questions:

1. What is J.G.? What is Deck seal? P/V value?
2. How do you change over from liquid to bulk dry cargo? (I was on an OBO)
3. What are M. Notices, Marine Notices, Marine Orders? What are the M.O. for LSA & FFA?
4. What kind of strengthening you had on your last ship?
5. What do you mean by 'Anchor brought up to'?
6. How do you rig pilot ladder?
7. How is the HRU connected to Liferaft & Island?
9. How are rations distributed in L/R?
9. Asked me about Emergency Steering? Draw the location of Emergency steering & its operation?

10. What is Transverse thrust? Do a short round turn with wooden model of ship having right hand F.P.P?

11. What is CPP?

12. What is MERSAR?

Before I could finish answering this Q, he cut me short & said "Mr. Jafarni u have given a good account of yourself, I see no point in continuing with you, so I give u a 'Miss'." This was the sweetest thing I had ever heard & it was like music to my ears.

About the examiner → He wants u to be perfect in R.O.R, flags & buoys, no slip ups are allowed in this area, one mistake & be sure to get 15 days. In other things Capt. Fitzpatrick has a very general view, he will prompt u & also explain certain things to u. A real gentleman who knows what he wants from a 2nd officer.

I would like to thank Capt. Ian Shea, Larry Piper, Rakesh Pandit, Ian Rodrigues, Anura Seneviratne, Jean Neilson & Tony Boyle. Without their guidance this would not have been possible. A very big 'THANKS' to the library staff who have always been very helpful. Special thanks to my batchmates Vishal, Nitin & Chanderjeet. And of course my wife & my little baby boy without whose support & love I would not be able to fulfill my dreams.

Best of luck to all U guys
Second Mate Class 1 Orals

Date: 11/02/99

Location: AMSA Hut at AMC

 Examiner: Capt. Fitzpatrick

Time: 1430 - 1520 (50 mins)

Candidate: Abdul Wares Khan (intake c/98) “Swat Pakistan”

Result: Pass 1st Attempt

1. What is your last ship! (Tanker)

2. He asked each 7 everything about tankers especially ‘safety’ during loading & discharging.

3. He asked about I.G. system in details. Cross Question on ‘Deck Water Seal’

4. HRU Manting (Hammar Type 4-20) principle places found on ship? How it works! How will you fix with L/Raft?

5) What is Mersar?

6) Notices to Mariners? who are to issue it?

7) He asked about ISM code in detail?

8) He asked about Chart Correction! How do you know that your chart is up to date?

9) What are Marine Notices?

10) He asked about sextant error? What is an index error?
SECOND MATE CLASS 1 ORALS

DATE: 11/02/1999 (REINCARNATION DAY OF MY LIFE)
LOCATION: AMSA HUI AT AME
EXAMINER: CAPT. FITZPATRICK
TIME: 1430 - 1520 - (50 MINS)
CANDIDATE: ABDUL WAARES KHAN (INTAKE C/98)
"SWAT PAKISTAN"

RESULT: Pass 1st Attempt.

AFTER I WENT HE TOLD ME TO SEAT, AFTER
FINISHING MY PAPER WORK HE WANTED TO SEE
ONLY MY MEDICAL FITNESS CERTIFICATE AFTER
WE STARTED.

1: WHAT IS YOUR LAST SHIP? (TANKER)
2: HE ASKED EACH & EVERY THING ABOUT TANKER
ESPECILLY 'SAFETY' DURING LOADING & DISCHARGING.
3: HE ASKED ABOUT I.G. SYSTEM IN DETAILS.
   CROSS QUESTION ON 'DECK WATER SEAL'.
4: HOW WILL YOU DETERMINE RISK OF COLLISION!
5: WHEN DOES A Y/L HAVE TO PROCEED AT A SAFE SPEED?
6: HOW YOU WILL DETERMINE A SAFE SPEED,
7: HOW WILL YOU CROSS & JOIN A TRAFFIC SEPARATION?
8: HE ASKED SOME CROSS QUESTION ON THAT LIKE ON WHAT
I am shree, by Library staff.

I sincerely thank you all teachers and specially J. Nelson, Lalaat, Pippal, Chakshu Pandit, Lali, and Ranjana.

I be not worry friends be perfect in your role.

That's all. Finally he said me "the golden rules.

5. What is N-Notices?

6. HE asked about sextant erection.

7. What is index erection?

8. Know that your charts is up-date?

9. He asked about chart collection! By how you

Q: What is mistake?

Q: How to make life easier? Who are issue it?

What you apply common errors for collision avoidance?

Q: Are you fix with L-plates.

Q: How it works? By how will you fix on ship.

Q: Are you apply common errors for collision avoidance?

(For sea rate he deployed all AMC library flip charts.)
Q. He gave me Day shapes, flip cards? Asked sound signals & lights?


Q. Sextant? Everything including error.

Q. HRM? Fixing & operation.

Q. Launching a liferaft?

Q. ISM code? Requirements.

Q. SART & EPIRB? Everything?

Q. Actions by liferaft crew? After abandoning?

Q. Cranes? Proof load & SWL?

Q. Cargo Ops? Containers (I was on container vessels).

Q. Asked me about Millenium Bug? This is regarding software screw ups with computers in yr 2000. They won’t accept the dates as 9/9/1999? Information error (* Read about this? Ask someone).

Q. How can you rapidly take all your way off? Vessel at full sea speed? (* Rudder cycling).

Q. Pilot ladder? Rigging/specifications?

Q. IMDG codes? Segregating containers?

Q. Transverse Thrust? Uses of same?

Q. Load lines? Very general?

Q. MERSAR?

Q. MARPOL? Purpose?

Q. On load - Off load release gear?
What was your last ship? (Mine was a log carrier)

Then he showed me flip cards, for IALA Buoyage (Region A) Then flags, to identify the VSL in day from flip cards, also he asked me to identify 3 VSL in night from flip cards.

So your last VSL was a log carrier, what international manual will you refer while loading timber on deck?

What precaution will you take while loading timber on deck?

How will you load timber on deck? What type of lashing will you use?

Suppose while loading, the ship is listed. Action. (He wants to hear, to calculate to ???? of GM and tell him whether it is angle of list or angle of loll).

How will you overcome angle of loll.

Access of top of the timber cargo from fwd to aft.

Fire in Galley when you are in port.

What do you mean by fireman outfit.

What do you understand by emergency fire-pump? How will you start it.

What fixed fire fighting extinguisher was there in your last ship (Mine was a mechanical foam system)

Explain how it operates.

What type of lifeboat did you have in your last ship? (I had an open type). How will you launch it?

Do you know anything on load/off load system.

What type of cargo gear did you have on your last ship. (I had grain).

What do you mean by Proff-Test.

Can you load with your proof load?
Q18) What do you mean by Hoggins sagging?

Q19) How will you know when the anchor is to be brought up?

Q20) Last question was reading of the sextant. (It was 0°00' on the arc): check whether this sextant has an error of perpendicularity or not.
NAME: AMIT SWAIN
COURSE: DIPLOMA APPLIED SCIENCE (2ND MATES)
DATE: 22/01/99 (1330 LMT)
TIME: 1330(LT) TO 1410(LT)
EXAMINER: CAPT. FITZPATRICK
RESULT: PASS - (FIRST ATTEMPT)

After I went inside he asked me my medical fitness certificate, then he told me to take the seat. After that he started with his question.

Q1: WHAT WAS YOUR LAST SHIP? (MINE WAS LOG862)
(MINE WAS A LOG CARRIER).

Q2: HOW YOU "ASCERTAIN A RISK OF COLLISION"

Q3: WHERE DO YOU TAKE COMPASS BRG FROM.

Q4: IN CASE YOUR GYRO FAILS, CAN YOU USE GYRO REPEATERS FOR TAKING BRG.

Q5: WHAT IS THE COMPASS IN THE MONKEY ISLAND CALLED, CAN YOU USE FOR TAKING BRG.

Q6: WHAT IS A COMPASS ERROR.

Q7: WILL YOU APPLY COMPASS ERROR, WHILE TAKING THEIR BRG FOR COLLISION AVOIDANCE, WHERE ELSE YOU CAN USE

Q8: SUPPOSE THERE IS A USL 7MILES AWAY, WILL YOU SHOW SHE CAN SEE YOUR MANOEUVRING LIGHT, WHEN YOU SHOW HER WHILE TAKING ACTION.
(Tell him everything about manoeuring light).
Then he told me, that your are navigating officer, keeping 12 to 4 (watch), so in open sea, clear visibility, you will see some traffics, and you have to take action. Remember you can call master any time, and engines are in your hand. He told me your first answer is last answer. If R.O.C exists it exits, if it doesn't it does not exist.

So the situation are like this.

0300

0300

Go or OR

(a) Action:

(b) What the other vessel do?

(c) What could be the other vessel?

(d) Fog signal, (for both stopped and underway)

0000

0000

Go or OR

Δ00

Δ00

Action:

Why:

What do you mean by aspect 0.
(b) ACTION:
(c) IDENTIFY:
(d) FOG SIGNAL
(e) DRY SIGNAL

ACTION: ____________
IDENTIFY: ____________
WHY IF SHE IS MAKING WAY ALTR STBD.
Δ0/Δ
(a) ACTION
(b) TARGET COME CLOSER!
(c) WHAT DO YOU MEAN BY 5 SHORT BLASTS
(d) WHY DO YOU ALTER P.O.R.T.

OR
(a) ACTION!
(b) IDENTIFY!
(c) FOG SIGNAL FOR BOTH NUCUSL & USL AGRGUN

Δ0/Δ

Δ0/Δ
(a) ACTION?
(b) IDENTIFY?
(c) FOG SIGNAL

TARGET ABEAM ACTION.

Δ
(a) ACTION
(b) WHY!
(c) WILL YOU SOUND 5 SHORT BLAST
OR

ACTION.

OR

IDENTIFY!
ACTION:

OR

IDENTIFY!
Fog Signal:
ACTION.

OR

IDENTIFY:
(b) ACTION:
(c) CAN YOU ALTER TO PORT, IN WHICH CASE YOU WILL ALTER TO PORT.
(b) ACTION
(b) WHY.
(c) IDENTIFY:

THEN HE SHOWED ME FLIP CARDS, FOR BUOYAGE
BUOYAGE (REGION A), ASKED THEN FLAGS, DAE TO
IDENTIFY THE VSL IN DAY FROM FLIP CARDS, ALSO
HE ASKED ME TO IDENTIFY 3 VSL IN NIGHT FROM
FLIP CARDS.

Q-102 WHAT LAST VSL WAS A LOG CARRIER, WHAT
INTERNATIONAL MANUAL YOU WILL REFER WHILE
LOADING TIMBER ON DECK.

Q-111 HOW WILL YOU LOAD TIMBER ON
Q-112 WHAT PRECAUTION YOU WILL TAKE WHILE LOADING
TIMBER ON DECK.

Q-121 HOW YOU WILL LOAD TIMBER ON DECK, WHAT
TYPE OF LASHING YOU WILL USE.

Q-131 SUPPOSE WHILE LOADING, THE SHIP IS LISTED
ACTIONG (HE WANTS TO HEAR, WE TO CALCULATE TO FIND
QGM AND TELL HIM WEATHER IT IS ANGLE
OF LIST OR ANGLE OF LOLL).

Q-141 HOW YOU WILL OVERCOME ANGLE OF LOLL
Q-15 Access of top of the timber cargo. From fore to aft.

Q-16 Fire in galley when your in port.
Q-17 What do you mean by fireman outfit.
Q-18 What do you understand by emergency fire pump. How you will start it.
Q-19 What fixed fire fighting extinguisher was there in your last ship (mine was Mechanical foam system)? Explain if how it operates.

Q-20 You are standing on the bridge you saw M.O.B. action.
Q-21 What is advantages of Williamson turn.
Q-22 In narrow channel which turn you will prefer.
Q-23 What type of life boat you had in your last ship (I had open type). How you will launch it.
Q-24 Do you know anything on-load/off load system.
Q-25 What was you of cargo gear you had on your last ship (I had crane).
Q-26 What do you mean by Proof test.
Q-27 Can you load with your Proof load.
Q-28 What do you mean by hogging/sagging.

Q-29 How you will know anchor brought up.
Last question was, reading on-th of the sextant. (It was 0°00' on the arc). Check weather this sextant have error of perpendicularity or not.

Then he told that:

Then finally he told that gentleman there is no point of continuing with you anymore, I give you pass you. Capt. Fitzpatrick is a perfect gentleman, if you make mistakes he corrects you and guide you, he wants practical answers, not book answers, then my dream came true.

Orals is such preparation which cannot be done alone, so my thanks go to Leon, Agnelo, Preet, Kritika, Henry, they helped me lot during my oral preparation and throughout the course, without their help it would have difficult in achieving this goal. Again I thank to all my lectures helping again me when I am in difficulties, they are Capt. Andrea, Capt. Jan Rodrigues, Capt. Ianshea, and Capt. Millward.

Yes that’s it my friends, don’t have to worry, first try to clear from college orals is nothing, again if u are going to Capt. Fitzpatrick then be perfect in ror, library flipcards both voyage, flags, and lights, shape, no leeaway set and drift in ror, and cards. If u are perfect in ror, then you are should be ok.

Bye, and all the best to all the 2nd mate oral candidates, bye.

Amit Kumar 21.