

RAJEEV WAD SIR QUESTION MUM NOIDA

Mmd mumbai

20 oct

Rajeev wad sir

Subbarao sir

Safety

1. What is code of safety
2. Bulwark
3. Cargo related regulation in annex 6
4. Rocket parachute regulation
5. Steering gear electrical regulation
6. Doc smc

20 oct

MUMBAI

SUBBARAO SIR

RAJEEV SIR

MOTOR

Valve in steering system

Function of valves

Type of turbocharger

Purpose , working ,function of lybranith seal

Starting air line safety

Slow turning

Omd alarm what happens inside engine

He doesn't listen anything

Inter- Meena

External - Rajeev

Motor

Rudder jumping clearance

Material of propeller

Stuffing box internal construction

Working of Me engine

Mep

Freshwater generator vacuum dropping

Steam trap function

Why isometric threads are used

In Mep he was stuck on threads where we use which threads and failed 😊

20th October

MUMBAI

Subbarao sir

Rajeev sir

Mep

Type of ship sailed

Bollard pull

Type of engine

Inline or V?

How will you correct the liner with abrasive wear

Welding defects

Pump and motor alignment how to check and correct

Lathe machine different parts

Purifier too much vibration, causes?

Air compressor crankcase checks, it's lube oil tests, how to measure it's bearing clearance

20/10/2021

MMD mumbai.

Internal - Subbarao

External - Rajeev wad

Safety fn3

***CO2 release in cargo hold and detection in container.vessel?**

***rescue boat new amendments?**

***sewage discharge calculations?**

***garbage management plan and new amendments?**

***shell expansion plan?**

Pass

Manjhi sir - Very gentle man 

Safety

Skew

Types of keel

Which keel applicable on yor ship.

Sewage holding tank discharge criteria.

I this they ask BOD dont know.

Sprinkler system ..

Sewage discharge calculation.

ETO (Emergency towing operation)

26 oct

mumbai

Manjhi sir

Rajeev sir

electrical

motor over heating reasons.

Lead acid battery

how to check performance.

Ir test

overload trip

440 v Earth fault

Result pass

Date:26/10

Majhi and Rajeev

Safely

Type of Ship

P&A manual

Radar trunk space and it's sealing

Radar tests

Gong

Composition and properties of Scrubber discharge

Water tight door full

Rocket parachute Regulations

Latest Amendemnt in solas chp 14

Solas chp 13

Solas chp 3

MEOL

type of engine (Me-B)

Top piston ring

How many accumulater in alpha lubricator

Signals to alpha lubricator

Top bracing use location material

Use of skemer in STP

types of postive displacement pumps

Variable displacement pumps

Got function 3

26-10-2021

Int- majhi

Ext- rajeev

Function 6- coc attempt

1. Checks on bunker tank air vent.

2. MAC second stage relief valve lifting reason.

3. Lathe machine 4 jaw chuck. Advantage and how to centre tool.

4. Purifier bowl wobbling. Reason.

5. ME Fuel pump

Vibration damper.

I didn't answer only last question.

And he failed

Internal - manjhi sir 😂😂😂

External- rajeev sir

Function-4b

Type of ships

1.types of crankshaft

Fully crankshaft

Semi crankshaft

MAC Liner lubrication

Centrifugal filter

Rampson

Valves on steering gear?

Cylinder head overhauling done after keep in workshop what will u checks on it?

What is vline and Lline?

Overhauling of auxiliary engine?

How to check viscosity in

lub oil?

Mep

Nomogram why used?

Scale on it?

Gear pump overhauling?

Checks on it?

Cpp?

Advantage?

Marking on flywheels?

external not good

Decider from manjhi sir

Me interlocks

And turning gear why used

Function 4b pass and 6 repeat

Ext : rajeev sir 

Int : purna manjhi sir 

Mep

What is Annealing, where we use

Ref compressor c/case oil charging

Why to do phosphate test, what will happen if increased?

What is me exhaust valve drop test?

Engine room crane Safeties and how to do load test?

Result : pass

COC  

27 oct

Rajeev sir

Mumbai mmd

1.fire fighting system on deck

Lpg carrier so mountings on dcp tank

2.S Vdr

3.types of ships in igc code

4.angle of vanishing stability

5.garbage special areas and sensitive areas

Mumbai

27/10/21

Intr Meena

Extr Rajeev

Motor and MEP

Type of vessels

Engine type (generator)

Thrusters

Azimuth thruster power transmission

Gear arrangement

Alarms and trip

Sealing

Type of gate valve

Contractions 🙄

Counterweight arrangement

Gudgent pin lubrication

And arrangements

Volumetric efficiency

Pump and motor allign

Soft pad

FWG

RO

Type of pump and maintenance

Welding in zig zag pipe (each and every point)

Valve guide and valve seat

And some more Xx

Motor pass

MEP repeat

09/nov/21

Meena sir

Rajeev sir

(09 min)

Fn. 3

Co2 bottle safety in fix co2 system xx

Annex 6

Dynamic stability for ship

Solas 12

Rest forget

Meena

Rajeev

9 Nov

Function 3 ,5

30 mins

Difference between oil tanker, product and chemical tanker

Mob tests

Windlass brake safety

Double bottom construction

Ig alarm and trips

What is CBA and requirements of CBA

Method for static electricity discharge between ship to shore and between ship pipelines

Function 5

Msn safeties

Synchronous motor

Clamp meter

Checks on iccp in drydock

Method to discharge lighting on ship

BOTH PASS SOMEHOW

ONLY GAVE COMPLETE ANSWER FOR 4-5 QUESTIONS AND REST GAVE HALF ANSWERS ONLY.

thanks shaeem bro 

12 nov

NOIDA

external rajeev sir

internal sirish sir

elec

battery room safeties

proximity switch

esb location and supplies

soft starter

auto transformer

result coc

12 Nov

Noida

Int - Shrish

Ext - Rajeev

1) Latest amendment in annex 5

2) Lower and Upper Stool space in bulk carrier

3) Hospital safeties, location and regulations, no. of person onboard above which hospital will be there

4) NOx technical file entries

5) Why SOLAS training manual is there when SOLAS is present onboard

6) Chapter 12 of SOLAS

7) CO2 bottle safeties and time delay how much and mechanism. How time delay happens

8) annex 6 pollutants names and regulations related to them

And some more

9) Content of muster list

12-11-21

int-siresh sir

ext-rajeev sir

safety-

show passport

which vessel? container

a system to prevent rolling? he wanted to hear anti heeling

full working? input from ships gyro

where this pump take suction? tanks-they are already ballasted

cargo hold smoke sampling(detector) full working

Fixed co2 system C/H? x qns

structural members in torsion box?

teu?

rest forgot

siresh-

which annex applicable on your ship

annex 3 classification x question

pass

saheem bhai is a gem, thanks bro

12-11-21

int-siresh sir

ext-rajeev sir

Motor

1. Vit and cross questions?

2. type of engine?

3. Mounting of hydrophore?

4. Mounting of calorifier?

5. Slide type fuel injector?

6. Viscotherm? And cross questions?

7. Valves in the steering gear system

8. How the air is made available in boiler burner?

Repaet

16 nov

Mumbai

Ext- rajeev sir

Int- Meena sir

Fun 3-5

Permeability

Life buoy, types, everything about this

Annex 6

Dynamic stability

Gz curve

Annex11-1

Static stability

What is Delta g,

Angle of heel

And many more forgot.

Electrical-

Msb, how dead front gate works.

Ingress protection

Earth fault and cross question

What happen if you find, the earth fault in 440v , action.

What you will do, if you get shock from your home refrigerator. What the checks and safeties

And many more.

Results - confused 🤔.. External said both pass.. But then Meena sir asked bilge discharge criteria.. I told almost everything and quantity I said 30ltr per nm... Then he said.. No no. And cut the phone.

16 NOV

MUMBAI

MEENA SIR

RAJEEV SIR

Electrical

How to take IR test??

How to take emergency gen on load?

How the emgncy gen start in case of black out?

Alternator winding temp sensor and it's working?

16/11

Mena sir(devta) ❤️ ❤️ ❤️

Rajeev sir

Function 3

1-Type of life buoy

Regulation and mountings

2- in Double bottom tank, procedure of removing slugde

3- water management plan

4- DB tank what are the plates inside it

Rest forget

Function 5

1- alternator working

2- avr working

3- air circuit Braker maintainance

4- battery room maintenance

6- type of fan installed in battery room and why

5- battery vent safeties

Auto transformer

And induction motor stator and rotor construction

MUMBAI

MEENA SIR

RAJEEV SIR

Fabrication ke bare me puch.. Mai shim ka bataya ohmana nai

Old pipe is corroded has bend in then he will give new pipe how will u make bend s

Oil is comming from cranckcase in to under piston. Reason for

location of errosion plug.

Boiler pressure rising what action u will take

How to fit mechanical seal. : Valve timing diagram. Draw karneke liye bola
motor pass , mep bacha tq brother

16/11

Int : meena

Ext : rajiv

Safety

Imdg

Imdg lines(dont know)

Changing light of imdg cargo hold

Panting stress

Slamming

Panting

Eletrical

Solenoid v/v

Pref trip

S/g ele regulation

Safety repeat

Eletrical pass

MMD MUMBAI

18/11/2021

Meena sir

Rajeev Wad sir

Fun 4b

Type of ship

Type of engine

Reciprocating pump, wanted to here about relief valve and accumulator

Start air valve, construction

STP, 4th tank purpose

How chlorine is added

What is storm valve

Result- COC

Thanks to the legend Samant sir, Onkar sir and All HATC family ❤️ 🙏 😊

Mumbai

18 Nov

Ext rajeev

Int meena

Safety

Solas Ch14 name

Total sections in Ch 14

Book related to ch 14

Acc to freeboard type a and type b ships

What is SEC?

CO2 annual inspection

How to decide weight of rudder

IOPP certificate

And sections

Ext failed! 😞

Asking nonsense questions

I prepared so much but all in vain if they ask such questions.

18/11/2021

External rajeev wad

Internal meena

1)type of engine

2)calorifer mountings

3)hydraulic power pack mounting

4)boiler burner parts

5)working of rotary cup burner

6)butterfly valve and how controlled automatically

7)types of cards and full explanation

8)stuffing box parts and explain

And many more

Result-removed from meeting b4 telling result(external was like he needs more preparation)will only know when result is updated on epariksha.

External wants 1quick answers will go to next question even if u take time to think.

In the end meena sir was like isko dete hai funtion but extrenal was like nahi sir preparation ka jarurat hai isko.

01 dec

MUMBAI

Internal : SubbaRao sir.

External : Rajeevwad sir.

Function 4B

1. Type pf ship type of engine
2. 4 Stroke V type engine crossquestions
3. Types of crankshafts
4. Annealing
5. Crankcase Lubrication properties
6. Effeciency of main engine filter to check.
7. Tappet clearance more less.

Mep

- 1.Globe valve not working properly
- 2.Air compressor crankcase pressure high.
- 3.Centrifugal pump impellar checks
- 4.Thermostatic valve purpose
- 5.Steering gear type and Rotary vane working.

many more cross after'll update

Got Motor

Thankyou Saheem bhai and all group friends 🙏

MUMBAI

Subharao

Rajeev wad

Eedi

Csr

Garbage classes

Odp

Dynamic stability

Pump Room regulation

Pump priming arrangements

Hypermist mist activation

How pressure is created

Pass

01 dec

Internal:Subbarao

External: Rajeev wad

4B

1. Boiler turndown ratio and its significance

2. Type of burner onboard and its working

3. Gazette stay in boiler

4. Compensation ring in boiler

5. Exhaust gas pyrometer (temp sensor fitted on manifold) and its working

5

1. Insulation class and its temp's

2. Iccp voltage value and current value

3. Mgps checks during watchkeeping (except voltage and flow)

4. As a electrical officer what all checks you will carry out on cargo manifold and cargo pipelines

5. Alternator side safeties except the usual safeties like Prf trip, reverse trip, etc etc. He is asking other than that

6

1. Checks on holding down bolts
2. Pipe fabrication
3. Checks on A/E crankshaft counter weight on crankcase inspection. (He wants to hear only abt counterweight checks. Nothing else he want)
4. Checks on heat exchanger cover(Wants to hear the checks only for cover)

Internal

1. Heat exchanger efficiency dropped to worst condition after overhauling, cleaning, tube leak checking and pr testing. What could be the reason?

Got 4b and 5.

Int- Meena

Ext- Rajeev Wad

MEP

-Type of ship sailed on. Specification- Eng.

-A/E cc inspection (checks only on crankshaft)

-Reefer oil charging process (explain Vacuum process), safeties associated with that.

-M/E fuel pp shock absorber checks. How you will know about leaks.

-Gear pp housing, what you will check, when opened up for o'haul

-Drain pipe choked, what you will do? Said we will use chemicals, he said, I want mechanical answer, tool name.

-4 jaw chuck, parts of lathe, how to know it is precisely fitted

-scav inspection, how will you know Piston ring isn't collapsed?

External said borderline pe hai, Meena sir, aap puchlo, to which Meena sir replied SIR JAANE DO and asked nothing. Later asked which attempt, I told him...

Abhi jaane do kya hua, kuch clear nhi bataaya!!

Rajeev wad

Dp vessel

Diode

Ir test

Capcitor

Balast in light

Annex 5

Bulwark

Soft starter

03 JAN 2022

MUMBAI

RAJEEV WAD SIR

SAFETY

Plc explain, which point has rest hour

CO2 safety

CO2 room regulations

Purifier room fire

Which certificate validity infinity

Some certificate names apart marpol solas

What surveyer checks in tonnage survey

03 jan

mumbai

subbarao sir

Rajeev sir

1. NDT test types

2. Dye penetrant test explain

3. Centrifugal pump overhaul

4. Purifier overflow

5. Air start valve leaking how to check

6. Tappet clearance how to check piston at TDC

7. 4 stroke and 2 stroke difference

Many more

Thanks to HATC & saheem bhai, AND friends who helped me in preparation

Sir he told he gave me function 6 but 4B repeat although I gave all the answers

03 JAN

MUMBAI

SUBBARAO SIR

RAJEEV WAD SIR

Hru, places

CO2 fire extinguisher

Scba check

Inclination experiment

Free surface effect

Enclosed space entry

Gas limit

Types of fire

D1,D2 ballast water

Marpol annex 3,4,6

PASS

Annex 1

Difference between special and normal area

Enclosed space entry procedure

Freeboard

03 jan

mumbai

Rajeev wad sir ext

subbarao sir

Type of engine

Tubocharging both methods

A/E not starting on fuel

Tappet clearance

Compressor continuously running reason

Anti polishing ring

Type of piston rings in engine

Material of ring

Material of crankshaft

Welding defect

Master air valve

Which spanner for bolt M10

Int - Subbarao sir

Ext - Rajeev wad sir

Function - 3

- 1. Solas requirements for emergency generator**
- 2. Markings on Lifeboat (Is makers name is there)**
- 3. Marpol Annex 5**
- 4. Marpol Annex 4 discharge criteria**
- 5. Dimensions of standard discharge connection for sewage**
- 6. International shore connection dimensions and purpose**
- 7. Classes of fire**
- 8. What do we use for class D and class C fire? What is class K fire?**
- 9. What maintenance we do on DCP extinguisher?**
- 10. Mandatory certificates**
- 11. What all certificates the ship needs to carry?**
- 12. What is DOC? Where it is kept?**

Result - Fail

Rajeev wad

Safety

Type of ship

Shell expansion plan

Co2 room regulation

Why 85% in 2 min

Annex 1 discharge criteria

Annex 4 discharge criteria

EEDI

Water tight door and weather tight door

How to do hydraulic test of water tight door

Electrical

Open ckt and short ckt

What is earth fault

Difference between induction motor and synchronous motor

Steering gear system electrical safety

Safety of MSG

Battery room safeties

Motor winding overheated reason

Generator running but not producing voltage, why

Ext Rajeev sir

Int roa sir

Safety

Life raft regulations

Emergency fire pump regulations

What are kept in life boat

Electrical

Trips on A/E

Reverse power trip

Preferential trip

Star delta

Types of startes

Fues and circuit brk difference

Batter room safety and regulations

10 jan

Noida

manjhi sir

rajeev wad sir

Safety:

Skew of propeller,

Double bottom construction

ISM

Elec:

IP

insulation

Preferential trip

ACB parts

How to check continuity

Isolated neutral system

10 Jan

Noida

External - Rajeev was sir

Internal- Majhi Sir

Type of ship?

How to reduce panting stress on ship?

Solas chapter 12?

What are additional safeties under chapter 12?

MOB marker in detail?

Double bottom construction?(member of db)

Safety on DCP? Purpose of those safety?

EEOI?

Flag state vs port state inspection?

ISM with certificate?

ISPS?

SSAS?

Annex-6 with some cross?

Result -pass(COC 🙏🙏)

SPECIAL THANKS TO SAHEEM BHAJ FOR THE MATERIAL, rucheer, pankaj, and all the members for discussion)

Noida

10 jan

Ext- rajeev wad sir

Int- Manjhi sir

Safety -Orb-1 entries

Watertight door regulations

Crankcase door regulations

Double bottom construction

Types of garbage

Types of free surface effect

Watertightdoor regulation

Deadweight

Electrical- Relay function

Why air gap between stator and rotor in alternator

Parts of air circuit breaker

Insulation test of motor

Construction of Induction motor

Vfd in induction motor.

Noida

Int - Rajeev Sir

Ext - Majhi Sir

1) Bitter End

2) Certificates in MARPOL annex 4,5,6 and validity

3) Internal markings of LB

4) GWP

5) Static and Dynamic Stability of ship. How to find dynamic stability and from which curve. Unit of area.

Thanks bro for all the help in each and every function. 🙏

mumbai

19 jan

Ext Rajeev

Safety

annex 1 special areas

skew

voc

solas reg 11

solas book

smpep

Electrical

exi,exd.....

ip

current transformer

AE started but no voltage

autotransformer

Ext- rajeev

Int - someone from chennai

Motor

Emergency fire pump priming pump , priming pump working, how it is connected, and of priming pump not working properly

Positive cavity pump, its part and working

Steering gear type of v/v

- relief v/v

- isolation v/v

- bipass v/v

- bidirectional control v/v

Asking more more

Over laap period

Boiler types of tubes

Cross question about ships engine specifications

Tie rod pinching screw and location and use how it is attached

Centrifugal pump priming

Not accepted any answer

Fail

Bhut mahan admii hai rajeev bhैया 🙏🙏🙏

Motor mep

Rajeev sir

Gopikrisna

Motor MEp

Engine Nomenclature

Piston mean speed derive the equation

Exhaust and inlet valve how to hold on cylinder head(cotter)

What check on that

Capacity control valve on AC.

how to operate

Multistage centrifugal pump how to increase the pressure

Boiler pressure rising safety valve is not lifting what action you will take

How to operate easing gear what is arrangement for that.

Types of burner

Y jet type burner full working

Burner parts

Purifier is not picking up speed.

How to fit the guide inside the exhaust valve spindle

Butterfly valve working

What is arrangement for disc is align on that.

What is material of butterfly valve seat.

From where water will enter inside the cylinder

Turn down ratio of burner

Rajeev wad sir

Function 5 function 3

Msb circuit breaker not closing even if of all condition satisfied reason

Use of high voltage system

Life boat davit test

Imdg

Solas chapter 6 and 7

Blower fan reversible .how to make

Propeller rattling

Torsion box structure

Definition nt grt

Boiler flame detector working

27/01/2020

Int:- Meena sir

Ext:- Rajeev wad sir

Motor/mep

1. Tell about cam (terminology used)

2.engine not starting on air

3.how to select gravity disc

4.how to join two copper tubes(told some connection name)

5.how to test fuel injector.and types of test . difference between drop and leak test .

6. In LO collar lub oil temp not difference reason (hole in partition plate)

7.Npsh how to calculate draw n show .

8.types of positive displacement pumps

9.many more don't remember

Mep- pass

Motor repeat.

Rajeev wad sir gives time to answer. but want to the point answer.

Thanks saheem Bhai and every one for sharing questions. Keep sharing questions 😊

27/01/2022

Internal- Meena

External- Rajeev Wad

1) Which type of ship? Gas carrier fixed fire fighting dcp operation? Satisfied then ask for the dcp tank mountings.

2) What is rake of propeller? He asked me to draw the diagram.

3) MOB marker performance? I told about procedure as I did it on my vessel. Didn't satisfied.

4) Types of stern frame?

5) Crankcase door solas regulation? Which chapter?

Result- Fail

Rajeev wad is next level surveyor. Beware of him.

Today he failed 3 coc attempters.

Don't expect second chance/ decider question from both of them.

27/01/2020

Int:- Meena sir

Ext:- Rajeev wad sir

Motor/mep

1. Tell about cam (terminology used....base circle,dwell,peak.....)

2.engine not starting on air

3.how to select gravity disc

4.how to join two copper tubes(told some connection name)

5.how to test fuel injector.and types of test . difference between drop and leak test and why we do

6. In LO collar lub oil temp not difference reason (hole in partition plate)

7.Npsh how to calculate draw n show .

8.types of positive displacement pumps

9.Piston ring and groove clearance.

10. Type of bearing in rocker arm.

12.

Mep- pass

Motor repeat.

Rajeev wad sir gives time to answer. but want to the point answer.

Thanks saheem Bhai and every one for sharing questions. Keep sharing questions 😊

31 JANUARY 2022

INTERNAL : MANJHI SIR

EXTERNAL: RAJEEV WAD SIR

SAFETY

LIFEBUOY

WASH BULKHEAD

HOW DECK PLATING IS SUPPORTED

FREE SURFACE EFFECT

MARPOL ANNEX 5

AMMENDMENTS

HYDRAULIC OPERATED QUICK CLOSING VALVES

ELECTRICAL

VFD

IGBT AND MOSFET

PYROMETER

TYPES OF SYNCHRONOUS MOTOR

WHERE SLIP RINGS ARE LOCATED IN SLIP RING IM

HOW IS DC MOTOR STARTED

PREFERENTIAL TRIP

HOW IS INSULATED EARTH INSULATED FROM EARTH

PASS IN BOTH 🌹❤️

**THANK YOU SAHEEM BHAI,ER SHAURYA SHANKAR AND ALL THOSE WHO ASKED
QUESTIONS AND GAVE ANSWERS**

RAJEEV WAD SIR IS VERY HELPFUL AND GIVES YOU TIME TO THINK AND CORRECT.

mumbai

External: Rajiv wad sir

Internal: manjhi sir

Date: 31/01/2022

motor mep

Pneumatic level gauge working

Shell and tube heat exchanger how does expansion take place in shell and tube

Framo pump working(mine was product tanker)

Safety valve setting pressure

How many pressures in safety valve

What is safety valve blow down(blow down ring)

Stuffing box clearances

Parts of stuffing box

Fuel injector pressure testings

Surging reasons

Purifier vibration reasons

Sparks from funnel reason, how does tackle during maneuvering