

UPENDRA KUMAR SIR QUESTIONS MUM NOIDA

3 DEC

MEENA SIR

KUMAR SIR

ME specifications

GE specifications

Refrigeration cycle

Meat room temperature not maintaining

-How to charge oil in crankcase of ref

Compressor specifications

Compressor efficiency drop

Clo unit 5 non flow alarm came what to do

Centrifugal pump overhauling checks

How to check shaft trueness

03 DEC

NOIDA

Meena

Kumar

Meena sir asked :

1.Type of ship

2.Types of tankers

3.Types of oil tankers

4.Structural difference between tanker and bulk carrier

5.pump room safeties and cross questions

6. Foam system explain. 7.Types of foam and Expansion ratio. Components of foam (he wanted to know components of concentrate)

8.MOB actions. How you will raise alarm if there is no walkie and no one else on deck except you. What is the provision.

9. Safematic system

Answered all but Meena sir wanted more in each

10. MSB safeties
11. Alternator Maintenance
12. Motor Maintenance
13. Types of starter
14. Working of autotransformer starter
15. Emergency gen provides power to which machinery. Name some 440V machinery
16. Vacuum diode
17. Purifier room fire actions
18. Do we need pump room can tanker be without pump room and cross questions

Few more i forgot

Kumar sir said both good

Meena sir said safety good but can be better.

Fn 5 pass 3 repeat.

INT: MEENA

EXT: Upendra Kumar

AE liner removal process

Purifier checks

Air compressor capacity deciding

Reefer checks and maintenance

AE 500 hrs ovhl

Davits weekly checks

FWG water less production

ME crankcase inspection

ME scavenge inspection

Main bearing clearance

Boiler water tests

Limits

ER crane maintenance

Steering gear safematic

Types of crankshaft

Boiler trips

Me trips

ME slowdown alarms

Easing gear

HT water tests

Result: COC 

Thank you

Lakshay sir

Ashish sir

Pankaj sir

@Saheem khan for this wonderful group and material.

MMD Noida

Internal: Gauri Lal Meena

External: Upendra Kumar

Function 3 Safety

Fire Fighting Requirements for Engine Room

HyperMist Requirements and Operation

CO2 Safeties

Lifeboat Winch Safeties

Purifier Room Fire

Difference in Forward and Aft Life Raft

CO2 weekly, monthly, annual, bi annual, 5 yearly and 10 yearly maintenance

Questions from LNG:

Type of tank

Which type of membrane tank

Total tank capacity

Type of level gauging used in LNG tanks

Type of processing (Reliq)

What extra safeties do we have on LNG vessels

Mast riser with regulation

Where is heated glycol used

Bonding pipe in cargo arms

Custody Transfer System

CMR EMR safeties

Internal: Statutory Certificates

Told many but he said tell me 2 important certificates from Solas (Apart from DOC SMC)

Result: Pass, COC

Thanks to Rajat, Ritwik, Rachit, Saif, Pranjal, Abhinav and all those who helped

Special Thanks to Saheem Bhai

06 dec

NOIDA

Meena sir

Upendra kumar

Motor and mep

Tpye of ship

Type of engine specofication

Lower bearing clearnace

What mchinery overhauld

Furl inhector overhauld and test

Tappet clearance

Clylinder head lube pil pr low what to do running conditions

Ovailty checks

Auxiliary engine trip(not in electronic way)

Ae overspeed test

Boiler test

Dupelx filter how u change

Compressor overhaul

Turbo charger type and

Starting air not working

Azimuth truster working

Mumbai

20 dec

Subbarao sir

Upendra kumar sir

Motor mep

Bunker preparation

Compressor

Boiler

Me

Ae trips

Tappet clearance

Why two springs are provided in ex and inlet valve

What u will done on main air comp

What re requirements of main air comp

Bunker preparation

Compressor

Boiler

Me

Ae trips

Tappet clearance

Why two springs are provided in ex and inlet valve

What u will done on main air comp

What re requirements of main air comp

Trammler gauge use

Ae overhaul

What overahul u do in drydock

Mmd mumbai 20/12/2021

Subbaro

Kumar

MEP

C/c inspection checks

Purifier maintenance

Tappet clearence

Purifier not getting rpm

C rod Ovality check

Lub oil checks and test bunker preparation

Internal - Subbaro Sir

External - kumar sir

Motor

Type of ship

Engine specifications

Type of crankshaft

Crankshaft deflection

Ae trips

Me trips

Boiler trips

Blow down procedure

Refer oil charging

Boiler safety valves

Function of tie rods

Boiler water tests

Difference between mc and me engines

Hunting gear

Function of puncture valve

Indicator Dia and power cards

What is MCR, NCR

Result -pass

MMD MUMBAI

23/12/2021

Int. Rama Subbarao Sir

Ext. Upendra Kumar Sir

Camber n its purpose

Shear , Floor

Pump room safeties

Co2 system safeties

Regulation for hypermist system

Certificates in MARPOL n SOLAS

Impotance of Annex 6

Annex 4 (jst name)

Sewage holding regulation

Pass 

Thanks Saheem bhai n all friends 

23/12/21

Mumbai

Ext: upendra kuamr sir.

Int: subbarav sir

Fun3

Camber

Keel plate

Sheer strake

Rise of floor

Reserve buoyancy

Freeboard

Why tanker hav lessfreeboard.

Certificates statutory

Plimsol marking.

Thinkness of plimsol marking.

Dead weight

Pumproom safeties

Manoverboard actions

Lifeboat davit safties

Metacritic height

Angle of Loll

Pyrotechnics onboard

ORB entries

Types of lifeboats

Which type of vessels have freefall lifeboat.

Why bulk carrier have freefal

Safties in co2 system

Fun5

MSB safties

Parametre of paralleling

Types of starters

Baterry room regulations

Why transformer rated in kva

What is Hysteresis loss

Why shaft earthing required.

What happens if you increase excitation power.

Reasons for generator under voltage.

What happens if airgap less.

Reasons for reverse power.

What is sequential starting.

Fun3 pass ❤️

Fun5 repeat

Thank you everyone & saheem bhai especially.

23/12/2021

Internal - Subbarao sir

External - Upendra Kumar Sir

Function 4

Types of Indicator diagram

Main engine trips

Boiler trips

Safematic system

Why Engine not starting on air

Why Engine not starting on fuel

Crankcase explosion

Safties in crankcase

Regulation of air reservoir

Tappet clearance and it's purpose

23-12-2021

Int.Subbarao sir

Ext.upendra kuamr sir

MEP

Welding defect

How C.i welded

Purifier over flow

Purifier not getting rpm

Purifier maintenance

Purifier checks

Alarms purifier

Air comp maintenance,checks, unloader

Refer cycle

Meat room not getting cold reason

Maintenance on refer,checks

Tev valve

Charging of refer oil

Both methods

Boiler maintenance

Checks

Blowdown procedure

Boiler Trips

Genny trips

Maintenance,checks

Centrifugal pump o/h

Checks on impeller,shaft,wear and casing ring

Priming of cen. P/p

Got mep

Motor still remaining

Thanks to everyone and hatc family. ❤️😊

Specially samant sir,onkar sir and faculty of hatc.thank you saheem bhai and team ❤️

28/12/21

Int: Majhi

Ext: Upendra Kumar

MMD Mumbaj

Safety

-DOC and SMC (x ques)

-Annexes of Marpol

-Current sulphur and nox content

-Marpol certificates reqd onboard

-AP and FP

- Metacentric Height
- Angle of LOLL
- Free Surface Effect
- Pump room Safeties
- Criteria of speed of rescue boat
- Article 2 of MLC
- Difference between clean ballast tank and segregated ballast tank
- ISPS
- PSC and flag state relation
- Objectives of ISM

Pass

28/12/21

Int: Majhi

Ext: Upendra Kumar

MMD Mumbai

motor MEP

- types of crankshaft
- duty of 4th engineer
- watch taking over
- purifier start but didn't pick speed same reason
- ref charging process.
- Meat room temperature down same reason
- centrifugal pump overhaul and clearance.
- Bunkar plan and sample collection
- safe steering system
- Difference between normalising and aneling
- which welding is difficult CI & stainless steel..and why

MEP clear 

Motor repeat 

Mumbai MMD

Date- 30/12/2021

Internal—Subbarao sir

External— Upendra sir

Vessel—LPG carrier

Function 3

Tumblehome

Sheer strake and requirement

Forward collision bulkhead requirement

Steering gear Safematic and how it works

Steering trips and Alarms

Aft perpendicular and forward perpendicular

Lifeboat lowering and what you will check as the incharge of lifeboat

Manoverboard actions

Why tanker has less freeboard

Pump room safeties

Type of cargo pump on chemical tanker

Firefighting system on deck of your ship

Deadweight,Lightweight,Displacement

Archimedes principle

Freeboard

Annexures and certificates

Sox and Nox

Function 4b

Air bottle and compressor requirement

Compressor requirement

Crankcase explosion reasons and how

Safeties for crankcase

Accumulation test

Why we do accumulation test

-(I said it's requirement for water tube boiler to not exceed 10% of working pressure in 7 minutes he said anything else .-I said to ensure safety by preparing safety valve lift at the required pressure, he said anything more

ME not starting on air

ME not starting on fuel

Few more

Decider

Shell expansion plan

Crankcase relief door requirements

Cleared both

Thank you everyone.

Mumbai MMD

Date- 30/12/2021

Internal- Subbarao Sir

External- Upendra Sir

Motor and MEP

Oil charging in reefer

Boiler water tests and desired values

Tappet Clearance

High and Improved High lift safety v/v difference

MAC Routines

Checks and clearances on Centrifugal pumps

Will AE work in reverse direction ?

ME,AE and Boiler Trips

Boiler Alarms

Types of Turbocharging, which is used where & why?

Lambda Controller

Air bottle and compressor requirements

Crankshaft Deflection how to take and significance

Crankcase explosion reasons and how

Safeties for M/E crankcase

Accumulation pr test

Why we do accumulation test and explain

ME not starting on air reasons

ME not starting on fuel reason

Cleared both

Thank you all!

30 Dec 2021

Ext : Upendra Kumar

Int: Subbarao Sir

Safety

LBP

Aft Perpendicular

Fwd Perpendicular

Regulation regarding foam system on deck

Camber

Shear

Keel plate

Shear starke

Fixed Fire fighting for Engine room

CO2 system annual maintenance

Battery room regulation

Pump room safeties

Solas all Chapters name

Marpol all Chapters name

Certificate from Solas

LB lowering procedure

Why bulk carrier have Freefall life boat?

Bulwark

Why tankers have less freeboard

Electrical

Types of starter

Air gap of alternator

Preferential trip

Sequential start

How to check Continuity

Overcurrent why short duration

Why my emgcy generator is not starting after blackout

Magnetic reluctance

Advantage of soft starter

Where it is used

Reverse power trip

Cleared Both

Coc 🤗 🤗 ❤️ ❤️

Thank you all of my friends

And bhai seriously your question bank and notes helped a lot

30 Dec 2021

Ext : Upendra Kumar

Int: Subbarao Sir

Safety

LOA

LBP

Aft Perpendicular

Fwd Perpendicular

Regulation regarding hypermist system on deck

Camber

Shear fwd and aft shear 2x and x

Battery room regulation

Pump room safeties

Solas all Chapters name

Marpol all Chapters name

Certificate from Solas and marpol

LB davit safeties

Bulwark

Why tankers have less freeboard

What is freeboard

Angle of lol

What Gz curves gives

Lightweight displacement

Deadweight

Electrical

Msb safeties

Transformer losses

Types of starter

Air gap of alternator

Preferential trip

Sequential start

How to check Continuity

Overcurrent why short duration

Why my emgcy generator is not starting after blackout

Magnetic reluctance

Advantage of soft starter

Where it is used

Reverse power trip

Cleared Both

Coc 🤔 🤔 ❤️ ❤️

Thank you all of my friends

Mumbai

30/12/2021

Internal - Subbarao

External - Upendra

Safety

Type of ship

Camber

Sheer

Bulwark

Rise of floor

Sheer strake

Dead weight

Light weight

Displacement

Angle of loll

Marpol annex all name

Annex 1 special area discharge criteria

Solas certificate

Davit safety

Objectives of ISM

ISPS, levels in ISPS , who sets the level at sea and at port

Man overboard action

CO2 system safety

Pump room regulations

Pump room safety

Hypermist system regulations

Electrical

How to check continuity

MCB ACB difference

Star vs delta

Alternator which one star or delta and why

MSB safety

Alternator low voltage reason

Alternator flooded what happen

Starter types

Air gap

What will happen if low

Sequential start

Safety clear

manhji

upendra kumar

03/01/2022

garboard streak

shear strake

bullwork

margin line

dead weight

lightweight

wht is ur action after co2 flooding?

how to do ventilation of engine room?

is the fan for engine room are same or different?

how they are different?

co2 bottle calculation

lifeboat lowering procedure complete

purpose of ism

objective of ism

certificate regrding ism

who issue doc

definition of non conformity

what is major non conformity on ship

difference between pv valve n pv braker

construction difference between oil tanker n bulk carrier

location of Bulbous bow

purpose of bulbous bow

RESULT PASS

THANKS saheem bhai

THANNS @ sahil ganla for ur precious call bhai.. 😊

Today's questions:

Function 4b and 6

Subbarao SIR

UPENDRA kumar SIR

- 1) Bunkering preparations and flange dimensions**
- 2) emer Fire pump vaccuum pump not working reasons and actions**
- 3) cascade tank construction**
- 4) safematic steering gear**
- 5) Cast iron welding and welding defects**
- 6) generator overhauling procedure**
- 7) flashback arrestor**
- 8) reefer charging**
- 9) lube oil charging**
- 10) Steering regulations**
- 11) lube oil test onboard**
- 12) purifier pairing disc**

Result: motor ❤️ mep 🐜

4 Jan

Mumbai

Ext - Upendra Kumar

int- subbarao

MOTOR MEP

1.main engine specifications

what is MCR and NCR

what us SFOC

2.performance Cards

3.two lines are coming on the card what can be wrong

4.generator 500hrs maintenance

5.tappet clearance

6.full annealing and process annealing

7. flame arrestor
8. boiler accumulation test
9. boiler mountings
10. why two boiler feed valve
11. what is the most imp safety in boiler
12. two remote water level indicators working principle
13. crankcase explosion
14. OMD full working principle
15. safety devices to crankcase
16. crankcase relief valve lifting pressure
17. liner Cracked reasons
18. safeties while Doing electric welding
19. main engine main bearing clearance, conrod bearing clearance, crosshead bearing clearance...how to take

both repeat..   

4 jan

Mumbai

Internal: Subbarao sir

External: Upendra kumar Sir

1. Type of ship
2. Type of engine, specs and nomenclature.
3. Main engine shutdown trips (all trips)
4. Main engine not starting on Air (i explained about the interlocks and automatic air start valve)
4. Regulations for main air bottle.
5. Generators 500 hours routine.
6. Generator is designed for 1000kw but able to take load more than 400kw. Give me 5 reasons.
7. LO and FO mixing, test, how will you know.
8. LO sample points.

9 bunkering calculations and safeties. (Explained in detail)

10. Boiler accumulation test, why and when do we do it. Significance.

11. Boiler water level floats.

12. Most important trips in a boiler

13. How will you simulate low low water level condition (stop feed pump)

14. Generator Low LO pressure trip.

15. Main reasons why liner can be cracked.

16. Scavenging types and uniflow benefits.

17. Scavenge space inspection in detail.

18. OMD explanation.

Few more questions.

That's all I remember.

MEP

1. Types of annealing and its explanations. (Process annealing explanation)

2. Tempering.

3. Normalising.

4. Case hardening.

5. Meat, veg, fish temperatures?

6. What is the reason why only meat is +4°C rest are fine. (Give me 5 reasons)

7. Refer gas charging process.

8. Steering gear types which system you have onboard explain .

9. Explain safematic system, why ?

That's all I remember.

Cleared both.

4 Jan

Ext: upendra kumar sir

Int: rao sir

Fnx:3

Inclining Experiment

Annex 6 - nox requirements

Methods to compliance with nox tire 3 standards

Nox ECA

Marpol certificates

Ism Objectives

Ballast Water Management standards

Pv valve pv breaker

Hypermist regulations& working

Pump room safeties

Mast riser regulation

Duct Keel purpose

Lifeboat Markings

Lifeboat lowering Procedure

Critical equipment

Fxn 5

Motor safeties

Alternator safeties

Reverse power trip explain

Msb safeties

Isolation Transformer

Auto transformer working

Prefrential trip

Battery room regulations

Battery charging methods

FUNCTION 6

MMD NOIDA

05/01/2021

INTERNAL: MAJHI SIR

EXTERNAL: UPENDRA KUMAR SIR.

Q1. WHICH SHIP SAILED

Q2. HOW DO YOU REMOVE MAIN BEARING FULL PROCEDURE

Q3. LO TESTS ONBOARD

Q4. SHELL AND TUBE TYPE HE LEAK TEST

Q5. WELDING DEFECTS

Q6. HOW CAN IT BE FOUND OUT

Q7. LOW LOW WATER LEVEL OF BOILER HOW DO YOU TEST (2 METHODS)

Q8. NCR OF ENGINE

MEP PASS

THANK SHAHEEM BHAIR AND ALL MY FRIENDS FROM THE VARIOUS GROUPS.

Noida

5 jan

manjhi sir

Upendra kumar

Fucntion 4b

Omd expalin?

Puncture valve?

Propeller overhauling ?

How to check shaft alignment?

What is safematic in steering gear ?

Hydraulic test in boiler ?

Boiler accumulation test?

Indicator card?

How to know exhaust valve are leaky?

How to prevent leaky exhaust valve?

Which card is used first ?

What we check in light spring diagram?

5 JAN

NOIDA

MANJHI SIR

UPENDRA KUMAR SIR

MOTOR

Scavenging Types

MC and ME differences

BHP of engine

SFOC

Which engine has less SFOC

Scavenge Fire reasons, indications, actions Which fixed fire fitting system there

Why piston Rings Types of piston rings

AND MANY MORE....

MEP

Main bearing of ME full removal

Connecting rod of AE tightening procedure

Gear Pump casing crack how will you find the crack and how do you repair

Gas cutting and gas welding difference

AE fuel injector removal and checks

Pressure testing

LO test done onboard

NPSH how will you calculate

How will you align a shaft

Purifier gravity disc how will you select

Steam Trap types and their working Where they are found

Fresh water generator working

AND MANY MORE...

Thanks bhai cleared both mep and motor. Special Thanks to you 🙏

Mumbai

17 jan

Fn3 -

Majhi sir

Upendra kumar sir

Everything about ISM

PSC inspection

Ballast water management

Painting

Pounding

Pv and pv breaker

Pump room safeties

Launching of LB

Cargo pump safties

And more

Result-pass

Mumbai

17 jan

Manjhi sir

Upendra kumar sir

safety

Pv valve & breaker location

Painting pounding

Co2 safety

Cargo pump safety as per new rule

Pump. Room new regulations after 2004

EEDI & EEXI

Tanker safety.

Bulkheads

Mumbai

Upendra kumar

manjhi sir

motor mep

Purifier not picking the rpm what are the Reasons for that

Explain L.O system on board the ship

To avoid the crankcase explosion what provision are given on board the ship

OMD working

LO test on board the ship.

Crankcase inspection checks of main engine

If bumping clearance is very less then how to over come that.

Generator starting method

Generator 500hrs routine

SCAVENGE fire indication and action if you are on the watch

Boiler water hydraulic test and why it is done

How to tight gauge glass bolts after overhaul

Boiler blow through of gauge glass

Boiler blowdown and bottom blowdown

Boi

Motor mep questions

External :-PURNA MAJHI

INTERNAL:-KUMAR SIR GOD 🙏🙏

Fuction 4

-Maine engine type

-Main bearing lubrication

-how exhaust, v/v fuel injector, and starting (want to listen HPS system

- reversing in ME Engine

-Interlocks in reversing

-aux engine decard complete

Aux engine not taking load what could be the reason except governor droop

-Crank case inspection

- checks on con rod Con rod ovality
- crank case inspection and safeties in main engine
- Oil mist detector working

Relief valve working and setting on ur ship

Function 6

Steering gear regulations

Steering gear checks before departure

Safematic system how it works

How to know air is trapped and how to remove it

Boiler safety valves types and diff

Safety valve setting

Accumulation test and purpose

Boiler hydraulic pressure test why and how?

Boiler water test and treatment

Types of cooler and how to find leak

Centrifugal pump overhaul proper procedure?

Was very happy and said to manjhi he is prepared very well i like to give him both

Result :- cleared both 🙏🙏🙏 THANK YOU GUYS AND SPECIALLY TO SAHIM BHAJ FOR HIS EFFORTS 😊

Mumbai

17 Jan 2021

Int - Manjhi sir

Ext - Upendra kumar sir ❤️ GOD 😊🙏

Fn 3 SAFETY (28 Mins)

-ISM objective and certification issued under it

-Major Non-Comfirmity

-Pv valve & breaker location n purpose and their operating values...

-what is Painting & pounding

-How to release fixed CO2 system

-Cargo pump room safety

Pump

-EEDI & EEXI

- Portable DCP 5 yr maintenance... (I told 5 yrs to sir i have nt ready anywhere. max its 3 yrs, to bolta h wahi batao)

-Enclosed Space Entry Procedure

-What is SSAS system and purpose of its installation.

- Full form of IMDG Code

One last question

- Lifeboat Launching procedure in detail.

Result - PASS 🎉❤️

Tysm Saheem bhai n all others for posting questions 🙏

Answered all questions and both wer laughing and taking oral 😂😂

Best oral ever n majhi sir is also very cool 🙌

Majhi sir says...

Ab to tumko samaj aa gya hoga ki clr ho gya h pper... 😂😂

17/01/2022

Mumbai MMD

Int : Purna Majhi

Ext : Upendra Kumar

All questions asked by Internal

Function 4b MEOL

-hydrostatic and hydrodynamic lubrication difference

- ME all units exhaust temp rising,. What are reasons and your actions?

- crankshaft deflection? (Too much cross questions)

- fuel injector testing?

And many more

Not a single question on AE

Function 6 MROL

- centrifugal pump checks after overhaul
- checks on impeller, shaft, seal
- mechanical seal (cross questions and expecting more)
- how u check trueness of shaft
- gland packing, material, how do you cut ?

Now suddenly external said "isko dono function repeat karna padega" duno y he said like this

- purifier overflow, reasons and actions
- major overhauling done onboard...(i said purifier but later he skipped the question)
- Need of boiler water tests
- steam traps, purpose, location and types of steam trap
- Need of intercooler in air compressor (not accepting anything)
- if pipe gets corroded and u want to fabricate new one so how will u do? (Iski g mein ghus gaya)

And many more

Decider type question by external

- how do you order grinding wheel? On what basis etc

Internal looked satisfied while I was answering

later they both said u have to repeat both function,

Then i requested them to give atleast 1 function because i answered almost all questions only got stuck in some cross questions, but they started laughing and said "nahi, aise nahi hota hai...u have to repeat both function"

The end.□

Big thanks to saheem khan, saurya shankar and my GME batchmates for helping.

18 jan

mumbai

Manjhi sir

Upendra kumar

Func 4 and 6

Lo system

Crankcase safeties

Omd working

Crankcase inspection

Exh v/v temp rises during manouevring and action

Purifier rpm not picking up

Tools in workshop

Crankshaft deflection

Boiler burner flame failure

Pilot burner not working

Types of burner and turn down ratio

Pupose of hotwell

Safety valve setting

Why reciprocating pump for bilge well

Centrifugal overhaul checks

Welding defects

Generator mountings

Func 4 given

Func 6 repeat

mumbai

18 jan

Manjhi sir

Upendra sir

Function 4b and 6

Type of ship

Type of engine

Dead weight

Explain ME LO system starting from LO sump

Crankcase inspection

OMD working

Difference between boiler accumulation test and pressure test

Why boiler water treatment

Steering gear regulations

safematic full explain

Air bottle regulations

Fusible plug

Fusible plug has melted . Why?

If melted during maneuvering then what to do

AE full decarb

Liner , con rod ovality test

Purifier rpm not increasing why ?

Draw welding defects on paper

What is dresser coupling ?

Crankcase deflection complete

Exhaust temp of no. 5 unit high during maneuvering, what to do

Result - 4b pass, 6 repeat

mumbai

18 jan

Manjhi sir

Upendra sir

Function 4b and 6

Type of ship

Type of engine

Dead weight

Explain ME LO system starting from LO sump

Crankcase inspection

OMD working

Difference between boiler accumulation test and pressure test

Why boiler water treatment

Steering gear regulations

safematic full explain

Air bottle regulations

Fusible plug

Fusible plug has melted . Why?

If melted during maneuvering then what to do

AE full decarb

Liner , con rod ovality test

Purifier rpm not increasing why ?

Draw welding defects on paper

What is dresser coupling ?

Crankcase deflection complete

Exhaust temp of no. 5 unit high during maneuvering, what to do

Result - 4b pass, 6 repeat

31 jan

Gopinanadan sir

Upendra kumar sir

Pump room safeties

IG system alarms and trips

PV valve PV breaker, Difference, Setting values, Which one is primary and which one is secondary

Working of PV breaker, how it is capable to work in sub zero temperatures

Fixed fire fighting systems in ER

Working of hypermist, how it is activated automatically

Which type of foam system

You are on bridge and you noticed that one crew member has fallen overboard what will be your actions

Marpol annex 4

What is EEDI and EEXI, units in which they are measured

How to reduce CO2 emissions in ships. What measures you will take when the ship is in drydock

Name 5 certificates that ships have to always carry according to SOLAS not including tonnage and loadline

Garboard strake

Sheer strake

Panting

Pounding

What measures are taken for pounding?

And many more...

Coc

Thanks to Saheem bhai. You played a imp. role bro

Upendra Kumar (16min safety 5 min electrical)

Inclining experiment

STCW

Annex 6

Strake

Eedi

Pump room safety

Pv valve

Breaker

Lifeboat launching procedure

ACB

Alternator safety

Alternator maintenance

Battery maintenance

Battery room safety

Brushless alternator principle

Electrical - pass

Safety - repeat

Upendra kumar:-

Safety:-

Fixed foam fire fighting regulations.

New safety in pump room

When did the ballast water management convention came into force.

What is D1 and D2 in ballast water convention.

Annex 6 tier 3 regulations.

Special areas under annex 6 tier 3.

How to achieve tier 3 (secondary nox reduction methods)

Electrical:-

Transformer voltage regulations.

Flemings left hand rule.

Fleming right hand rule.

(Have to show him the hand for both the rules and tell which finger indicates what. Also what is the purpose of both the rules).

Types of starters.

Explain auto transformer starter in detail.

Int: Majhi Sir

Ext: Upendra Kumar Sir ❤️

Fun 6

AE 500 hrs Maintenance

AE crankcase inspection

ME scavenge space inspection

Engine room flooding arrangement

Emergency bilge suction

Ref Compressor LO charging method

Alcap Purifier

Air bottle not developing pr reasons

Centrifugal Pump overhaul

Wear ring significance

How wear ring is fitted

Rest forgot

Result: Pass

Coc 

Thanks to Saheem bhai, Shaurya Sir and all fellow frnds 

MROL FUNCTION6

External :upendra Kumar

Internal majhi

1.Bunkering preparation and safety ?Bunker line pressure test

2.FWG vaccum low reasons?

3.boiler water test and values?

4.back pressure valve in veg room ?

5.viscosity test LO ? How many samples? Sampling points why?

6.purifier not attaining RPM ?

7.boiler gauge glass blow down and why ?

Int majhi sir

Ext upendra Kumar

Types of transformer

Transformer regulation

How to check open ckt and closed

Ckt in transformr?

Battery room checks?

Preferential trip, complete operations?

Types of starter?

Explain soft starter?

Brushless excitation?

What is dashpot. Function?

Steering gear safeties?

What is the short ckt protection given in steering gear?

What is power management system?

Synchronous condenser?

Ext:upendra kumar

Safety

Gt dwt nrt

Harmonised survey system

Co2 10 yr maintenance

Portable pressure testing

Ig system safety

24 feb 2022

Ext upendra

Int meena

Fun3

Inclining experiment

Collision bulkhead

Shell expansion plan

Margin plate

Co2 safeties

Floor rising

Bulwark aur strake

Nox regulations

Life boat launching procedures

Fun5

CT and VT

Alternator maintenance

Msb safeties

Single phasing

Internal :-Meena sir

External :-Kumar sir 🧑🏻‍🔧🧑🏻‍🔧🧑🏻‍🔧

Function:- EECEOL

-Type of ship sailed

-Type of generator onboard and type of excitation used

-main generator and emergency generator electrical specifications

- ship goes to dry dock ur generator have 60 hz freq and dry dock has 50 hz would u take? How?what precaution will you take? What happen if more frequency? What checks will u carried out during shore connection what if frequency is high?

-why its not possible to supply shore power together with generator

- emergency gen automatic operation why my gen not starting

-mai. Genr maintaince

-safeties on generator

-Safeties on motor

- gen not producing voltage

-producing volt but not rated?

- motor got submerged in sea water during flooded detail procedure for recovering

-AVR it purpose and function

-Brushless alternator

-what is static electricity

- battery room safety
- What is scr how gate control voltage and its applictaion onboard
- induction motor working
- what is residual magnetism where it is used?
- Define Power factor ? Adv of leading pf dis of leading pf
- how to improve pf?how much pf maintained ur ship

Result- external says he is nicely prepared and asnwer my each and every qn very well including cross questions i m very happy with his answers

Internal- ok mr i m goinh u fuction 5 go and apply for coc 

Thank you so much guys for sharing questions on group special thanks to saheem sir for study material group Thanks a lot AJINKYA SIR for ur precious help 

Kumar sir nad Meena sir

Safety

25/02

Type of ship

Engine make /model

GT, NT , DRAFT, FRESHWATER ALLOWANCE OF MY VESSEL

Explain the same with definition.

Ballast water treatment- explain da and methods.

Technology used for D2

Bulbous bow -why, how it helps to improve propulsion, types

Angle of loll

Safety in ig plant

Alarms in cargo holding tank

CO2 system explain, safety, why bursting disc provided? Why door opens outwards?

What is eexi?

Unit for energy efficiency index

How NOX. Calculated

Noida MMD

02-March-2022

Function-5 Electrical

Internal- Meena sir

External – Upendra sir

- 1. Preferential trip**
- 2. Dashpot Timer**
- 3. Single phasing protection on motor (Told many but at Last i told MCB after which he said good)**
- 4. Winch protection**
- 5. Drop test**
- 6. Slip Clutch**
- 7. synchronous vs induction motor**
- 8. Types of AVR**
- 9. Auto-transformer working and application**
- 10. Transformer losses**
- 11. Isolation transformer**
- 12. Emergency generator not starting after blackout**

Result-COC

Special thanks to Aditya sir, Viren and Saheem bhai.

[3/22, 2:48 PM] Ms: Mumbai mmd 22-03-22

Internal- majhi

External-upendra Kumar(not sure)

Motor-

Type of ship and engine

Mcr and Nr of that engine

Types of steering system and safematic steering

Aux engine lo pressure low during ur watch wt ul do??

Crankcase inspection wt all needs to be checked

Thurst bearing parts

Mep-

Boilier accumulation pressure test and safe values and hydraulic pressure test and acceptable values

Bunker safety carried out one day before bunkering(mostly wanted to know try high level alarm test) how to do high level alarm test

Bunkering sounding not coming proper what could be possible reasons and remedies for the same

Ur in maneouvring and the air compressor bursting disc burns

How do u know refer is sufficient or correct in refer system

How u charge refer in the system

Impeller checks

Cavitation

Stern tube sealing types

Checks on centrifugal pumps after overhauling

[3/22, 3:35 PM] Ms: Mumbai

22-03-2021

Internal – p maji

External – Upendra kumar

Time – 45min

Safety

Type of ship (mine chemical)

Difference between oil and chemical tanker

Cargo tank difference

Coating in cargo tank for both

Certificate for annex 2

Smpep (cross question)

Fixed foam regulation

Ig new regulation

Pump room new regulation

Margin line

Margin plate

Inclination exp (cross question)

When to do –

4 sister ship (sab ke liye karna hai experiment) he told kuch condition pe nahi karege

Class A machinery space

Widas

Ssas (location) (cross question)

Annex 6 certificate

Eedi and eexi (difference and unit)

And more

Electrical

Precaution to enter battery room

Alternator maintainance(cross question)

Low / high Air gap reasons

Prefential trip working(cross question)

Reverse power relay (cross question)

Maintenance of battery

Types of charging

Difference between quick and trickle charging

Full charge sg

Full discharge sg

IP of motor

Deck motor ip (cross q)

How to do reverse power trip (cross question)

Generator start showing low voltage

Air gap measurement

And more

Bahut pucha

G*nd hi mardi

Safety 

Electrical 

[3/24, 12:32 PM] Ms: 24/03/2022

Mep motor

Upendra kumar

Meena

Type of engine

Main Lo system

Tie rod fn

Boiler Accumulation test

Pressure test

Compressor take too much time to fill reasons?

M/E interlocks

Funnel fire. Action?

Alcap purifier

Anneling and normalising

Scavenge inspection

Why a/e is running at low load even if it is designed for high load.?

[3/30, 11:25 AM] Ms: internal- maji sir  

External- upendra sir    

1.Engine type

2.aux eng 500 hrs routine

3.tappet clearance full procedure.

4.me scavenge space inspection.

5. Me jcw treatment

6.aux eng connecting rod checks.

7.how u know ref gas is less.

8.anneling and normalizing.

9. centrifugal pump checks.

10.forgot

Result- COC 

THANKS SAHEEM BHAI

[3/30, 3:15 PM] Ms: Ext : Manji

Int: upendra kumar

Motor (coc attempt)

1.Engine specifications

2.How reversing is done full procedure

3.manoeuvring diagram explain

4. purpose of accumulation test in boiler

5.hydraulic test of boiler

6. auxiliary engine indicator cock leaking(oil leak) ..why it happened and how it happened and what is ur action

7.Breathing pipe location and purpose

8.air compressor valve parts from bottom

9.bumping clearance value of air compressor

10.How back pressure valve is maintained veg room temp

So many cross questions

Result : fail 

[3/30, 4:48 PM] Ms: 30-3-2021

Upendra Kumar 

Mahji 

Pranay 

Safety

Type of ship

Safety in lifeboat comparison between bulk and tanker

What removal procedure from front side of ship in bulk carrier

Solas chap 12

Elect

Autotransformer

Dol starting current

Alternator working

Alternator safety

Motor

Reversing

Interlocks

Specifications of mE

How to test boiler low level alarm

Accumulation test

Mep

Lube oil coming on blowthrough

Exhaust valve leakage during maneuvering

How safety valve of compressor check for working

Got stuck in mep

Rest 3 said ok

Thank you all for Posting questions

Spical thanx to saheem Bhai

Er shaurya,samant sir hatc,maurisson bab,kp.stark

Pump room safety

Ism

SMC doc

When interim is given