

Marine Engineering Interview Questions And Answers Guide.



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Marine Engineering Job Interview Preparation Guide.

Question # 1

What is the different between gate valve and globe valve?

Answer:-

Gate valve is non regulator means full close or full open positions only, while globe valve is regulator.

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Question # 2

How many types of ships?

Answer:-

Ships are divided into various types depending on their nature of service.

1. Cargo Ships (Bulk carriers, general cargo carriers, container vessels, oil tankers, chemical tankers, Product tankers, gas carriers, Ro-Ro ships). Depending on their sizes they are again classified as handymax, panamax, suezmax, afroamax, vlcc, ulcc, vloc, vlgc, etc.
2. Passenger Ships
3. Service ships, such as cable laying submarines, off shore supply vessels, dp vessels etc
4. Protection such as war ships, Navy submarines etc.

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Question # 3

Why the safety valve of co2 total flooding system in ship is set at 180 bar? what is the situation for the pressure rise?

Answer:-

Bcoz in case pressure rises above the desired level CO2 has to be released in CO2 room .The cause for rise in CO2 pressure may be FIRE in CO 2 room

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Question # 4

Which country level having below the means sea level?

Answer:-

Narve sweedan

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Question # 5

What does 7L67GFCA stands for in a marine engine MITSUI B&W 7L67GFCA?

Answer:-

7L 67GFCA Means that the engine have seven in-line units (cylinders)with 67centimeter of Liner diameter,water cooled and super charged cross head engine.

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Question # 6

What is high temperature corrosion and what is center priming?

Answer:-



When material exposed to high temperature atmospheric situation like high level of oxygen presence, sulfur presence and different type chemical presence cause material worsening. This type of material corrosion is known as High temperature corrosion

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Question # 7

What is specific fuel consumption and how fuel calculate?

Answer:-

generally it refers to the fuel consumption rate, there are several different ways to calculate the specific fuel consumption, such as volumetric method and flow method. but these methods can be taken only in lab. no possible do it on the sea.

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Question # 8

What is motor bike c.c.?

Answer:-

cubic/centimeter

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Question # 9

what is the difference between Mitsui MAN b&w and Hitachi MAN b&w engines?

Answer:-

Design and system wise absolutely no difference. Only the license manufacturer is different. Mitsui and Hitachi Kawasaki Diawoo are the different license holders for Man B&W for making the engines

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Question # 10

In ship cranes, there is a provision of providing a conveyor for the cable. There is no provision of slip ring. How is it possible?

Answer:-

There is Slip ring arrangement in cranes onboard ships. the slip rings are present within the crane which is not seen from outside. the power lines pass through the centre of the crane through slip rings. The power line you see outside is only for grab which comes through the torsion clutch. If there is no slip ring arrangement the crane cannot turn 360 degrees.

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Question # 11

How the power has taken from a large marine generator to the msb?

Answer:-

The 440v generated by the generator can be taken to the MSB via busbars. associated with preferential trips, overload protections

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Question # 12

How many ports are there in India?

Answer:-

there are 12 major ports and 181 minor port in india

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Question # 13

What are the chemicals added in jacket cooling water to avoid corrosion?

Answer:-

anti corrosion agents

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Question # 14

How the priming is done in a centrifugal pumps?

Answer:-

As centrifugal pump is not a self priming pump, separate priming arrangement is required... generally, a separate axial pump is provided for this purpose. The discharge v/v of the centrifugal pump is closed, and the inlet v/v is opened. The discharge v/v is opened only after the pump is primed, that is filled with the liquid to be pumped.

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Question # 15

What is the purpose of o-ring, wearings in the centrifugal pumps?

Answer:-

O-ring : to prevent leakage between metal parts while allowing some movement between them
wear ring : generally a softer material than the parent material , employed to wear out quickly than the parent metal thereby avoiding loss of parent metal

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Question # 16

How will we know, without opening anything, that an engine is 2S or 4S?

Answer:-

by the arrangement of the valves ...in two stroke exhaust valve is situated at the top (i.e cylinder head) and there are scavenge ports at the bottom in modern diesel engine...whereas in four stroke the exhaust and inlet is situated at the cylinder head.

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Question # 17

What is the meaning of code number which is given on bearing?

Answer:-

bearing number ia 6205z:
6 stands for the type of bearing , ie, deep groove ball bearing
2 stands for the the OD and width (thickness) of the bearing
05 stands for the ID of the bearing ie, 05 x 4= 20 mm bore;

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Question # 18

The place where happen iron losses?

Answer:-

In transformer case Core occurs iron loss (Eddy Current & Hysteresis Loss) Or No Load Loss in Electric Transformer.

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Question # 19

Explain briefly about the relation between gas turbine and steam turbine?

Answer:-

GAS TURBINE IS AN ECONOMIZER WHICH CALLED A GAS BOILER THAT THE MAIN PURPOSE IS TO HEATED THE STEAM FROM THE EXHAUST GAS MANIFOLD THEN SUPPLY TO THE BOILER.

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