

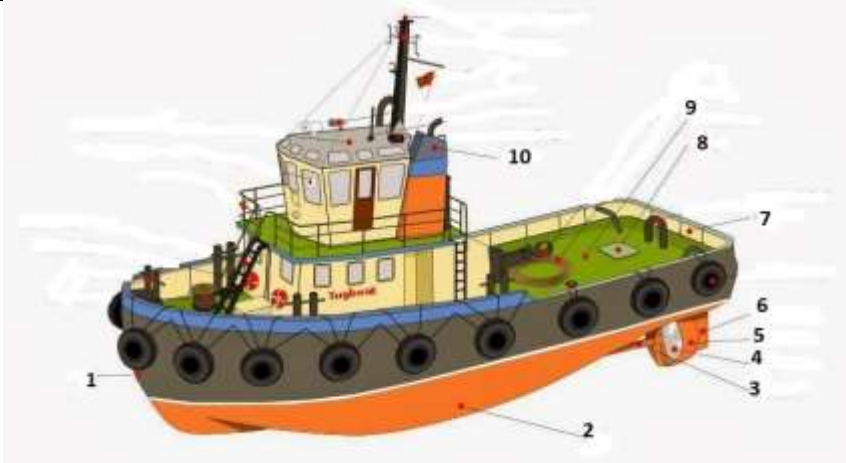


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Sample Questions for Engineer

1	Write the unit of length
2	Write the unit of Pressure
3	Write the unit of Area
4	Write the unit Volume
5	Write the unit of weight
6	Write the units of temperature
7	What is the unit of work done
8	What is the unit of power
9	What is full form of GRT
10	What is the full form of LOA
11	Explain what is light weight of vessel
12	Explain what is Dead weight of a ship
13	Explain what is displacement of vessel.
14	 <p>Write the pressure the gauge is indicating:</p>

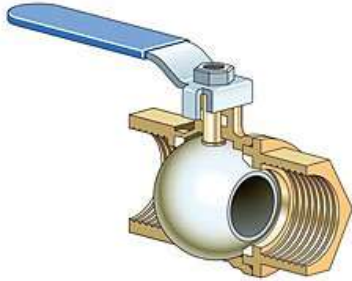

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15		<p>Write the pressure as shown in the picture in following units:</p> <p>1. PSI _____</p> <p>2. Bar _____</p>								
16	Write the unit of power									
17	Write the unit of Density									
18	What is the unit of specific gravity									
19	Name three types of vessels which ply in harbour.									
20	Name three types of ships which ply in seas									
21	Name Three types of Ocean Going ships and cargoes they carry.									
22	Name three types of vessels and their purpose.									
23	Name two types of ships used for coastal areas and their purpose.									
24		<p>Name the parts shown in the picture.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1</td></tr> <tr><td style="text-align: center;">2</td></tr> <tr><td style="text-align: center;">3</td></tr> <tr><td style="text-align: center;">4</td></tr> <tr><td style="text-align: center;">5</td></tr> <tr><td style="text-align: center;">6</td></tr> <tr><td style="text-align: center;">7</td></tr> <tr><td style="text-align: center;">8</td></tr> </table>	1	2	3	4	5	6	7	8
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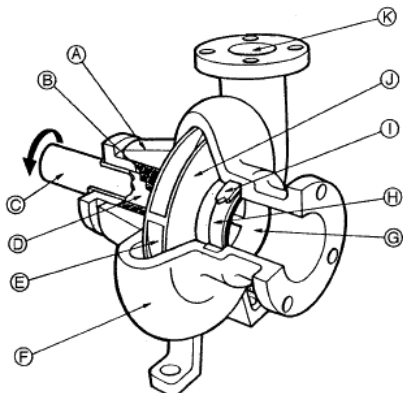
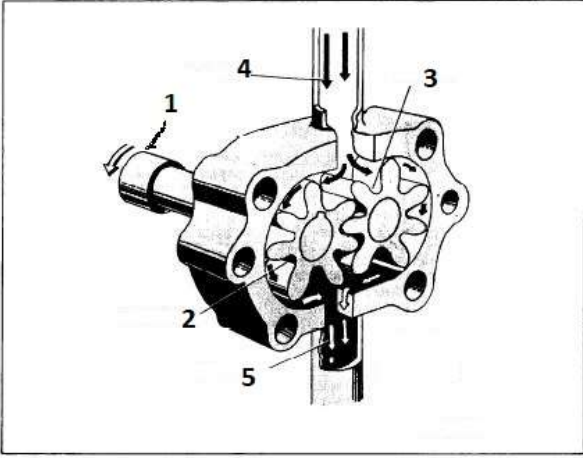
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		9
		10
25	Name four types of valves which are used in the engine room of a vessel	
26		Name the type of valve as shown in the picture
27		Name the type of valve as shown in the picture

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28		Name the type of valve as shown in the picture
29		Name the type of valve as shown in the picture
30	Write two common maintenance required for globe type of valves.	
31	Heat exchangers are used for what purposes in the engine room	
32	Name two types of heat exchangers as per the use of coolant.	
33	Name 4 parts of a common type of heat exchanger.	
34	List 2 maintenances that required for a heat exchanger.	
35	Name 4 mountings that are fitted on a heat exchanger	
36	Name three types of joints as par their use in pipelines of Engine room	
37	State four uses of compressed air on ship	
38	Name six parts of an air compressor.	
39	List two mediums which are used for cooling air compressor	




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40	List four items you will keep watch when an air compressor is running	
41	List Three uses of Compressed air in ship's engine room	
42	Name 6 mountings that are fitted on an air bottle	
43	Name Five types of pumps that are found on small vessels.	
44		Write the part names C F J K G
45	 <p style="text-align: center; font-size: small;">Figure 4.1.—Gear-type rotary pump.</p>	Name the following parts of the Gear Pump 1 2 3 4 5



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46	Write Two uses of semi rotary pump
47	Name what type of pumps should be used for the following purposes:
	Bilge Water
	Ballast Water
	Diesel Oil
	Lub Oil
48	Name five points which you will check when a pump is running.
49	Explain the term “Priming” associated with centrifugal pump
50	List Five precautions you will take while bunkering a ship.
51	Explain in two lines why ballasting is required.
52	Explain in two lines why lubrication is required in machinery.
53	Name Four types of lubricating oil which are used on ship’s machinery.
54	List four possibilities of less lubricating oil pressure of an engine
55	List the four strokes of an Internal Combustion Engine
56	Categories Internal Combustion Engines used on ships as per their speed.
57	Name six different parts of an Internal Combustion Engine.
58	What is the function of Piston of an Engine.
59	What is the function of Connecting rod of Internal Combustion Engine
60	What is the function of camshaft of an Internal Combustion.
61	What is the function of injector of an Internal Combustion Engine.
62	Name two types of Piston Rings.
63	What is the function of Compression Ring
64	What is the function of Scraper Ring
65	What is the function of crankshaft.
66	What is the function Turbo Charger
67	Turbo charger is driven by what
68	List four reasons of Engine not starting
69	Name Three methods by which I.C. Engines can be started
70	Write in sequence the stokes of a 4 stroke engine
71	Write Three names bearings which are there in I C Engines

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72		Name the Engine part
73		Name the Engine Part
74		Write the name of the engine part


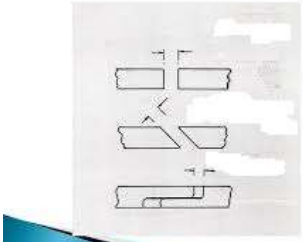
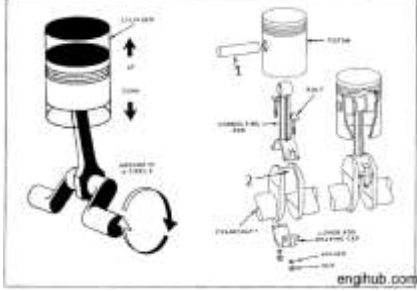
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75		Name the engine part :
76		Name the engine part ;

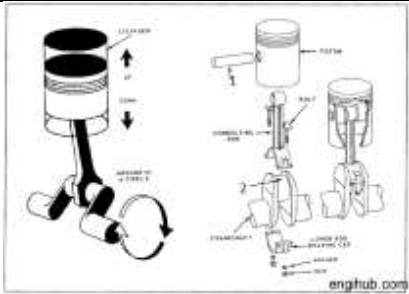

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77		Name the Engine part:
78	 <small>shutterstock.com • 1173705439</small>	Name the engine part



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79		Name the engine part
80	Explain the purpose of Push rods in I. C. Engine	
81	Explain the purpose of Rocker Arms	
82		Piston rings are provided with cut. The gap between the edges of the cut is called what ?
83		What is name of the numbered as 1



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84		What is name of the numbered as 2
85	What is the function of Fuel Pump in an engine	
86	What should be the color of Exhaust gas coming out from the engine	
87	Name six parameters on which you will keep watch for an running engine	
88	What will you check before starting an engine	
89	Name two methods of cooling the engine	
90	How do you check the sump oil level in an Engine.	
91	List four reasons of black exhaust smoke of an engine.	
92	List four reasons for reduction in lub oil pressure	
93	What may be the reason of increase in lub oil pressure.	
94	Explain reason for sparks coming out from Exhaust pipe of an engine	
95	List 6 part name of a Turbo charger	
96		A rotor assembly of a Turbo Charger is shown in the picture. Name the part 1 and 2.
97	List four types of hammers	
98	List four types of Chisels	



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99	List six types of files
100	List four type of spanners
101	 <p>Name the tool mentioned in the picture</p> <p>It is used for what purpose</p>
102	 <p>Name the tool mentioned in the picture</p> <p>It is used for what purpose</p>

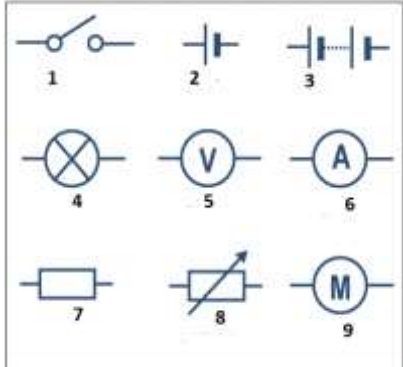
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103		<p>Name the tool mentioned in the picture</p> <p>It is used for what purpose</p>
104		<p>Name the tool mentioned in the picture</p> <p>It is used for what purpose</p>
105	What is the unit of electrical current	
106	What is the unit of resistance	
107	Name the main two parts of and generator	
108	What material is used for the wires in generator	
109	Poles in Generator creates what?	
110	What is the most common safety device in electrical circuit.	
111	How a fuse protects an electrical circuit?	

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112		Name the type of Fuse shown in the picture.
113		Name the type of Fuse shown in the picture.
114	List three types of batteries	
115	Name any mixture which is used as electrolyte in battery	
116	What maintenance is required in lead acid battery	
117	For charging Battery what current is used AC or DC	
118	Name two basic part of an electrical motor	
119	How the body of a motor is cooled.	
120	List 3 parameters you will check for keeping watch on motor.	
121	In DC Generator, what is the purpose of Commutator	
122	What is the purpose of poles which are fitted in In DC and AC Generators	
123	List two types of AC Motor	

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124		<p>In picture various electrical symbols are shown; Please name the symbols as per their numbers</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">1</td><td></td></tr> <tr><td style="text-align: center;">2</td><td></td></tr> <tr><td style="text-align: center;">3</td><td></td></tr> <tr><td style="text-align: center;">4</td><td></td></tr> <tr><td style="text-align: center;">5</td><td></td></tr> <tr><td style="text-align: center;">6</td><td></td></tr> <tr><td style="text-align: center;">7</td><td></td></tr> <tr><td style="text-align: center;">8</td><td></td></tr> <tr><td style="text-align: center;">9</td><td></td></tr> </table>	1		2		3		4		5		6		7		8		9	
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125	Explain what is step up and step down transformer.																			
126	Give two examples where transformer is used in a vessel.																			
127	What is the function of rudder																			
128	Explain in 4 lines how a rudder is operated																			
129	List 4 basic components of hydraulic steering system																			
130	What is the maximum angle a rudder is turned on either side																			
131	Propeller is made of what material																			
132	Name two parts of a propeller																			
133	Explain what is Pitch of a propeller																			
134	What machinery is used to heave an anchor																			
135	Name the machinery used for hauling ropes to tie the ship																			
136	For what purpose a transformer is used in electrical circuit																			
137	List four types electrical measuring equipment used in Engine room																			
138	List three types of fire																			
139	Give example of type A fire																			
140	Give example of type B fire																			
141	Give example of type C Fire																			
142	List three types of Fire Extinguisher as per their content																			
143	Name the three sides of a fire triangle																			

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145	What type of extinguisher should be used for fighting oil fire.		
146	If you see a fire what is the first thing you should do		
147	List 4 items which are kept in first aid box in the Engine room		
148	Name three types of Pollutants from ship		
149	AS per Marpol there are six annexures. List all the annexures and the type of pollution they pertain to:	Annexure I	
		Annexure II	
		Annexures III	
		Annexures IV	
		Annexures V	
		Annexures VI	
150	How pollution due to oil can be prevented		
151	If oil has been spilled in the water, how spreading of the spill can be contained.		