

1. DIPLOMA IN MARINE DIESEL ENGINE MECHANIC

2. Classification of ship.
3. Super structure.
4. Bilge & keel.
5. Types of Engine.
6. Parts of Engine.
7. Operating system & Precaution should take before Entering in machinery spaces.
8. Movement Control Room (M.C.R)
9. Ship Safety & Operation.
- 10.Engineering Terms.
- 11.Pressure Gauges.
- 12.Temperature.
- 13.Heat & Properties of Gases.
- 14.Power Measurement.
- 15.Propeller & Ruder.
- 16.Steam Turbine.
- 17.Types of Turbine.
- 18.Types of Gearing.
- 19.Feed System.
- 20.Boiler.
- 21.Types of Boiler.
- 22.Properties of Steam.
- 23.Boiler Mounting.
- 24.Fuel Burning.
- 25.Distillation & Production of Water.
- 26.Fresh Water Generator.
- 27.Evaporator.
- 28.Domestic Water Treatment plant.
- 29.Pumps & types of Pumps.
- 30.Refrigeration & Air Condition.
- 31.Propeller & Propeller Shafting.

32. Steering Gear.
33. Pollution.
34. Engine Room, Watch Keeping & Equipment operation.
35. Valves.
36. Hydraulic System.
37. Deck Machinery.
38. Diesel Engine.
39. Electrical Equipment & Control System.
40. Fire Fighting.
41. Fire Prevention in Engine Room.
42. NBCD Operation. (Nuclear Biological Chemical Demonstration)
43. Indicator & Diagrams.
44. Engine Cycles.
45. Gas Exchange Process.
46. Exhaust Valves.
47. Launching the Ship.
48. Ship Survey.
49. Piping System.
50. Bulb Carrier.
51. Gas Carrier.
52. Large Tankers.
53. Closed Feed System.
54. Warming Through a Steam Turbine.
55. Marine Boilers.
56. Properties of Steam.
57. Purity of Boiler Feed Water.
58. Water Tube Boiler.
59. Fire Tube Boiler.
60. Babcock & Wilcox Y 100 & 101 Boiler.
61. Package Boiler.
62. Generators.
63. Safety Valve.
64. Main Steam Stop Valves.

65. Blow Down Valves.
66. Air Supply
67. Feed Supply
68. Lighting up Boiler in Cold.
69. Boiling Process.
70. Low Pressure Evaporator.
71. Domestic Water Treatment Plant.
72. Pumping System.
73. Advantage of the Pumps.
74. Construction & Working of the Pumps.
75. Prime Mover.
76. Bilge System.
77. Ballast System.
78. Gas Carrier Pumping Arrangements.
79. Chemical Carrier Pumping Arrangements.
80. Oil Tanker Carrier Pumping Arrangements.
81. Vapour Compression System.
82. Ventilation.
83. Arrangements of Trust Shaft.
84. Pitch Propellers & Advantage.
85. Electric Steering Gear.
86. Various Emergencies in Steering System.
87. Steering Gear Circuits Rules & Regulations
88. Stabilizers.
89. Oil Pollution & Prevention.
90. Engine Room Bigles.
91. Sewage.
92. Sludge Incinerator.
93. Periodic Safety Routine.
94. Precaution should be taken in Rough Weather.
95. Heavy Weather Precautions.
96. Basic equipments & Circuits of Hydraulic System.
97. Advantage & disadvantage of Hydraulic System.

98.Method of Operation in Hydraulic System.

99.Cleanance in Machinery Space.

100. Capstan.

101. Winches for Cargo Handling.

102. Cock & Valves.

103. Whistle.

104. Cycle & Operation in 2nd Stage Diesel Engine.

105. Fuel Injection System.

106. Control Device.

107. Operation & Trouble Shooting.

108. Engine Starting.

109. Bridge Control System.