

USN

--	--	--	--	--	--	--	--	--	--

10MR81

Eighth Semester B.E. Degree Examination, June/July 2019
Engine Room Management

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART - A

- 1 Write down the steps for preparing the main engine for starting. (20 Marks)
- 2 Explain the steps in :
i) Cylinder head removal
ii) Piston removal in SULZER RTA engine. (20 Marks)
- 3 Explain the actions to be taken by a watchKeeper during :
i) Scavenge fire
ii) Exhaust gas economizer fire. (20 Marks)
- 4 What checks should be done by a watchkeeping engineer for the following engine problems:
i) Engine fails to start on air
ii) Engine fails to turn on fuel, or produces less power
iii) Overheating of liner/piston
iv) Overheating of crankcase. (20 Marks)

PART - B

- 5 What are the major points that an engineer should familiarize in the engine room when he joins ship? (20 Marks)
- 6 What is the engine room log book? What are the information recorded in it? (20 Marks)
- 7 Write short notes on :
i) Watch keeping in port
ii) Watch keeping underway. (20 Marks)
- 8 Write short notes on :
i) Watch keeping during long port stay/lay up
ii) Watch keeping when ship is under major repairs. (20 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.