

V26/S01024/EE/20160716

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) What are the basic PPE required for working safely on board ships at sea? 5
 - b) How does one prevent defects during painting? 5
 - c) How do you prepare a surface for painting? 5
 - d) What are the defects to look for when checking a newly painted surface? 5
 - e) How are wooden decks cleaned? 5
2. Solve any **four** sub-questions.
 - a) How do you repair leaks and punctures in a life raft? 5
 - b) What are the specifications of a lifebuoy as per SOLAS? 5
 - c) Describe a line throwing apparatus. 5
 - d) Describe inflatable chutes. 5
 - e) What is an international shore connection? Where is it used? How many are carried on board? 5
3. Solve any **four** sub-questions.
 - a) Describe a AFFF fire extinguisher. 5
 - b) Describe the refilling of a Dry Chemical Powder extinguisher. 5
 - c) Describe a safety lamp. How do these lamps prevent generation of sparks? 5
 - d) Briefly describe a fixed foam installation. 5
 - e) What natural fibres are used in ropes? 5

4. Solve any **four** sub-questions.

- a) What are the advantages of a fibre heart to a wire rope? 5
- b) Describe the care to be given to wire ropes. 5
- c) Enumerate the breaking stresses for the various fibre and wire ropes. 5
- d) What is the Telegraph? Describe the telegraphs operation. 5
- e) What do you understand by 'non follow up' system in a steering gear? 5

