



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Marine Construction Plant Operator (Derrick) Trade Test Mock Written Test Paper

此文件關於海面建造機械操作工（吊桿）技能測試考題。如有需要索取此文件的中文版本，請致電 2100 9000 與香港建造業工藝測試中心聯絡。

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1. Besides lifting operation techniques and general knowledge of lifting safety, Marine Construction Plant Operator should also follow the conventional regulations of a construction site and the safety guidance notes under which ordinance?
 - a. Factories and Industrial Undertakings (Gas Welding and Flame Cutting) Regulation
 - b. Factories and Industrial Undertakings (Gas Welding and Flame Cutting) Regulation
 - c. Hong Kong Shipping Ordinances
 - d. Certificate of Manual Lifting

2. Which of the following Factories and Industrial Undertakings regulations is applicable to Marine Construction Plant Operators?
 - a. Cargo and Container Handling
 - b. Food Handling
 - c. Employee Breaks Handling
 - d. Lifting Appliances and Lifting Gears

3. Which document is needed for proving that the derrick/boom/sling is safe for use?
 - a. The manufacturer's certificate
 - b. No proof is needed
 - c. The test certificate and thorough examination delivered in the approved form by a competent examiner
 - d. The certificate issued by a safety officer

4. Which of the following equipment is the best in facilitating communication during the operation of a windlass?
 - a. Intercom
 - b. Signals
 - c. All of the above
 - d. None of the above

5. Which of the following tests on the derrick should be carried out before the lifting operation to fulfil the work requirements?
 - a. Simulation
 - b. Windlass
 - c. The lifting of derricks
 - d. The swing of the load

6. For the renewal application of barge boat license, which of the following documents on the lifting equipment components issued by a registered engineer should first be obtained?
 - a. Certificate of merchandise
 - b. Test certificate
 - c. Installation drawings
 - d. None of the above

7. Test certificates on components such as lifting machines, derrick and slings should be issued by
 - a. A registered engineer
 - b. A safety officer
 - c. An authorized person
 - d. An operator

8. Regular inspections on other lifting gears on the barge boat, such as wire ropes, shackles, and lifting hooks should be carried out by
 - a. An operator
 - b. A safety officer
 - c. A work supervisor
 - d. An authorized person

9. How should one identify quality lifting chains?
 - a. Buy lifting chains marked with the letter "B"
 - b. Buy lifting chains marked with the letter "D"
 - c. Buy lifting chains marked with the letter "A"
 - d. Buy lifting chains marked with the letter "C"

10. What is the English abbreviation of Safe Working Load?
 - a. SVL
 - b. SWL
 - c. SWU
 - d. SLW

11. Which of the following method should not be adopted for the shortening of chains during lifting operations?
 - a. Winding the chains around the load
 - b. Tying knots
 - c. Replacing the chains with shorter ones
 - d. All of the above methods could be adopted

12. Unless specially designed, what does all lifting hook need to be equipped with?
 - a. Screw
 - b. Rivet
 - c. Screw cap
 - d. Spring lock

13. When performing lifting operation, no more than how many cables should be used to pass through all shackles?
 - a. One
 - b. Two
 - c. Three
 - d. Four

14. Do not try to pull the _____.
 - a. Grab
 - b. Pulley
 - c. Pontoon boat
 - d. Derrick/crane

15. Which of the following is the best type of container for lifting individual goods?
 - a. Paper box
 - b. Iron box
 - c. Cardboard
 - d. Wooden box

16. What equipment does the pontoon boat use to operate in the fixed location?
- a. Generator
 - b. Windlass
 - c. Internal combustion engine
 - d. GPS
17. As the law requires, what does it require to use cables and shackles?
- a. Valid certificate of inspection
 - b. Manufacturing date
 - c. Name of manufacturer
 - d. Paints
18. When connecting the wires, if the hammer is too heavy, which part of your body would be weak from tiredness and the hammer slips off the hand as a result?
- a. The eyes
 - b. The scapula
 - c. The arms
 - d. The thighs
19. What will an incorrect lifting process easily lead to?
- a. Traffic congestion
 - b. Misplacement
 - c. Shorter work hours
 - d. Serious casualties
20. On a barge, what connecting the rest room and work place should remain accessible?
- a. Cabin
 - b. Storage compartment
 - c. Stern
 - d. Walkways

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