



CONSTRUCTION  
INDUSTRY COUNCIL  
建造業議會

# **Marine Construction Plant Operator (Boom-grab Bucket) Trade Test Mock Written Test Paper**

此文件關於海面建造機械操作工（吊臂 - 夾吊）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. Hoisting
  - 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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