

## **CERTIFICATE OF COMPETENCY EXAMINATION**

**EXAMINATIONS ADMINISTERED BY THE  
SCOTTISH QUALIFICATIONS AUTHORITY  
ON BEHALF OF  
MARITIME AND COASTGUARD AGENCY**

**SMALL VESSEL EOWW**

**060-02 - OPERATIONAL PROCEDURES, BASIC HOTEL SERVICES AND SHIP CONSTRUCTION**

**FRIDAY, 23 January 2026**

**1400-1600 hrs**

Examination paper inserts:

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Notes for the guidance of candidates:

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| <ol style="list-style-type: none"><li>1. Candidates should note that 100 marks are allocated to this paper. To pass candidates must achieve 50 marks.</li><li>2. Non-programmable calculators may be used</li><li>3. All formulae used must be stated and the method of working and ALL intermediate steps must be made clear in the answer.</li></ol> |
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Materials to be supplied by examination centres:

Candidate's examination workbook
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OPERATIONAL PROCEDURES, BASIC HOTEL SERVICES AND SHIP CONSTRUCTION

Attempt ALL questions

Marks for each part question are shown in brackets

1. Outline the procedures and arrangements to be put into place before a permit to work is issued for entry into a confined space. 33 (10) ✓
2. State the responsibility of the watchkeeping engineer officer with respect to EACH of the following:
- (a) discovering a fire in the machinery space; 39 (6) ✓
- (b) electrocution of another person. 43 (4)
3. With reference to the bunkering of fuel:
- (a) explain what is meant by a *Shipboard Oil Pollution Emergency Plan* (SOPEP); (1)
- (b) state the FOUR requirements of a *Shipboard Oil Pollution Emergency Plan* (SOPEP); (4) 3 46
- (c) state the immediate action to be taken should an oil spill occur. (5) 2  
48
4. (a) State FOUR possible contaminants that may be present in marine gas oil. (4) 2 50
- (b) Describe a means of dealing with THREE of the contaminants listed in part (a). (6) 2 52
5. With reference to sewage systems:
- (a) state the ventilation arrangements for collection, storage and treatment tanks; (5) 2 53
- (b) describe the personal hygiene requirements for those undertaking maintenance. (5) 2 55
6. (a) With reference to Air Conditioning, define EACH of the following terms:
- (i) *humidity*; (3) 1 56
- (ii) *relative humidity*. 2 (3) 2 59
- (b) Describe TWO ways of controlling relative humidity. (4) 2 60  
56

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7. With reference to reverse osmosis plants:
- (a) describe the sea water pre-treatment process before the water enters the membrane modules; (6) 5
  - (b) describe how the purity of the permeate is measured; 2(3) ✓
  - (c) state the limits of impurity in the permeate when produced to World Health Organisation Standards. (1) 23
8. Describe, with the aid of a sketch, the construction and operation of an *Active Controlled Tank* roll damping system. (10) 3
9. (a) Define EACH of the following: 7
- (i) Flash Point; (2) 1
  - (ii) Ignition Point (2) 1
  - (iii) Auto Ignition Temperature. (2) 1 ✓
- (b) Explain the requirements for the discharge of CO<sub>2</sub> of a machinery space fixed firefighting installation with regard to volume and time. (4)
10. (a) With reference to ship construction, define a bulkhead. (2) 1 5
- (b) State the functions of bulkheads. (8) 4