



ICM

MARCH 2017

PORT OPERATIONS & MANAGEMENT

Instructions to candidates:

- a) Time allowed: Three hours (plus an extra ten minutes' reading time at the start – do not write anything during this time)
 - b) Answer any FIVE questions
 - c) All questions carry equal marks. Marks for each question are shown in []
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- 1. Describe the following:
 - a) Breakwater or mole
 - b) Wharf
 - c) Pier or jetty
 - d) Dolphin
 - e) Stevedore

[4 each]
 - 2. Using a diagram, show the progression and development of power-driven vessels.

[20]
 - 3. A harbour master normally exercises jurisdiction at a place and in ways to meet certain criteria. What are the criteria?

[20]
 - 4. In 1997 the UK government conducted a review of port safety. What conclusions were arrived at as a result of the review?

[20]
 - 5. Identify the THREE options for the constitution of Harbour Authority Boards.

[20]
 - 6. A port vulnerability assessment should cover a number of important areas. Name these important areas.

[20]
 - 7. Identify the SEVEN Standard Nomenclature of Main Port Charges.

[20]
 - 8. A Cost Recovery Mechanism (CRM) is comprised of seven points needing consideration. Name and describe the SEVEN points to be considered.

[20]