



MERCHANT SHIPPING SECRETARIAT
GOVERNMENT OF SRI LANKA
CERTIFICATE OF COMPETENCY EXAMINATION

GRADE : CHIEF MATE ON SHIPS OF 500 GT OR MORE (UNLIMITED)
SUBJECT : Business & Law
DATE : 02nd April 2018

Time allowed **THREE** hours Total marks : 130
ANSWER ALL QUESTIONS IN ALL PARTS Pass marks : 50%

Formulae and all intermediate steps taken in reaching your answer should be clearly shown. You may draw sketches wherever required. Electronic devices capable of storing and retrieving are **NOT** allowed.

PART – I

- 1) M.V. Nonsuch is to load Wheat in bulk (S.F: 1.12 m³/t) from New Castle, Australia to Kisarazu, Japan and the voyage charterer's contracted quantity is 23500 t of Wheat in bulk MOLOO 5% according to voyage instructions.

Ships particulars and other relevant data as follows;

Speed : 12 knots fully loaded
Constant : 270 t
Un-pumpable : 50 t
R.O.B F/W : 250 t
R.O.B F/O : 104 t

D.W.T Tropical : 26,420 t
D.W.T summer : 25,489 t
D.W.T winter : 24,090 t

Cargo Hold	Capacity	Tank top area	Permissible loading
1	5112 m ³	339 m ²	20 tm ⁻²
2	7479 m ³	506 m ²	20 tm ⁻²
3	7479 m ³	506 m ²	20 tm ⁻²
4	7623 m ³	519 m ²	20 tm ⁻²
Total	27693 m³		

New Castle to Kisarazu 15 days, both ports "Port of New castle" and "Port of Kisarazu" in Summer zone.

New castle to Tropical zone 5 days, within tropical zone 5 days and rest in Summer.

Light ship: 6780 t,
TPC : 56 tcm⁻¹
Consumption:
F/O : 28 t per day
F/W : 12 t per day

Vessel is to maintain minimum of 3 days reserve fuel and fresh water at all times.
Calculate maximum cargo intake at Port of New castle and quantity of F/O & F/W to take
at Port of New castle.

(25 marks)

PART – II

- 2) IMO has introduced number of measures to authenticate ships identity and to curtail fraudulent ship registration related acts which occurred in past. With respect to these measures SOLAS has amended accordingly, introducing ships IMO Number and Continuous synopsis records (CSR).
- a) Briefly explain what is ships IMO Number and what happens to IMO number when change of Owner, Flag and ship name.
(08 marks)
 - b) Briefly explain what is CSR and what happen to CSR when change of Owner, Owners details, flag and ships name.
(07 marks)
- 3) During ship registration ship owners will consider many aspects such as commercial, financial and operational aspects prior selecting a suitable flag for the vessel. It is evident in the resent past majority of ship owning companies used Flag of Convenience countries (FOC) as suitable flag state for registering their vessels.
- a) Explain briefly what is Flag of Convenience including necessity of emergence of such registrations.
(10 marks)
 - b) Explain how ship owners are benefited when registering under FOC.
(05 marks)
- 4)
- a) Requirements with regard to statutory certificates may vary according to type of ship, cargo and cargo gear. List statutory certificates which require regardless of ship, cargo and cargo gear for all types of vessels.
(08 marks)
 - b) International Health regulations 1969 has been revised in 2005 in order to meet current requirements of international traffic and trade. In relation to International Health Regulations 2005 briefly explain Ships Sanitation Control Certificate or a Ship Sanitation Control Exemption Certificate
(07 marks)

PART – III

- 5) The Hague Visby rules states that the carrier shall be bound, before and at the beginning of the voyage, to exercise due diligence to make the ship seaworthy. Explain in detail how you would exercise due diligence to ensure a safe loading, carriage and discharge of cargo as a chief officer.

(15 marks)

- 6) Briefly describe the meaning of the following clauses used in charterparties:

- a) Cancelling clause
- b) Lay time & demurrage clause
- c) War risk clause
- d) Clause paramount
- e) Bunker clause

(03 marks)

- 7) A vessel leaves the loading port with cargoes belongs to Mr. A, Mr. B and Mr. C. During the passage, due to a fire occurred in hold number three following damages were occurred;

Ship : The bulkhead between hold number three and two buckled due to heat and the paint coating of the hold number three is completely damaged.

Mr. A's cargo : Part of the cargo was damaged

Mr. B's cargo : No damages

Mr. C's cargo : Part of the cargo damaged due to smoke

For the purpose of extinguishing the fire, Master used water and it was successfully extinguished. Following damages were observed due to the use of water inside the hold;

Ship : No damages

Mr. A's cargo : Part of the cargo was damaged

Mr. B's cargo : No damages

Mr. C's cargo : Part of the cargo was damaged

Discuss who are entitled to claim under general average and for which damages. Your argument shall be based on the principles of general average.

(15 marks)

8) Answer the following questions with regard to marine insurance:

a) List the occasions where the hull and machinery insurance will be terminated automatically.

(03 marks)

b) Briefly describe the following terms with examples:

- i. Actual total loss
- ii. Presumed total loss
- iii. Constructive total loss

(04 marks each)

Answers

Answer – 1

Cgo: 24415MT

FO: 400MT

FW: Nil