



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 : 24. 04. 2023

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) A vessel of following particulars to Copper concentrate in bulk at Puerto Santa Cruz, Argentina to Montreal, Spain. After completion of loading the vessel is to take sufficient bunkers at Buenos Aires, Argentina to safe reach Montreal, Spain.

Puerto Santa Cruz, to Buenos Aires 3 days all in summer.

Buenos Aires to Montreal, Spain 19 Days, 5 days summer, 11 Days Tropical and rest in Summer respectively.

Summer DWT : 48260MT

Tropical DWT : 49220MT

Winter DWT : 47300MT

Light ship : 6750MT

Constant : 360MT

F/O ROB : 180MT

F/W ROB : 100MT

F/O Consumption: 24MT/Day

F/W Consumption: 10t/Day

Maintain 5 days reserve of fuel and fresh water for voyages over 10 days, otherwise 3 days reserve of fuel and fresh water to be maintained at all times.

Calculate the following:

- a) Maximum cargo intake at Puerto Santa Cruz
- b) Minimum F/O and F/W intake at Buenos Aires

(25 marks)

Part II

- 1) With reference to owner ship and ship registration explain the following:
 - a) Briefly explain what is meant by National Registries. (07 marks)
 - b) Briefly explain what is CSR and what happen to CSR when change of Owner, Owners details, flag and ships name. (08 marks)
- 2) a) What are the vessel certificates coming under HSSC? (07 marks)
b) Explain in brief surveys required to carry out as per HSSC. (08 marks)
- 3) United Nations Conference on the Law of the Sea commonly known as UNCOLOS is an intergovernmental treaty, developed to describe rights and liabilities of individual states of concerned sea areas. With regard to UNCOLOS sketch and describe briefly Baseline, Territorial sea, Contiguous sea, EEZ and continental shelf. (15 marks)

Part III

- 6) Vessel 'A' was at a designated anchorage in Labamba waiting for a berth. Vessel 'B' collided with the anchored vessel 'A' while passing through the area. Vessel 'B' continued on her passage without stopping or exchanging information with the Vessel 'A'. Discuss the means available for the owner of the vessel 'A' to recover the losses incurred. (15 marks)
- 7) A container vessel ran aground in Singapore straits due to a navigational error of the duty officer. The ship owner managed to re-float her safely with the aid of salvors under LOF 2020. No cargo damages or damages to the vessel, but the shipowner is liable for the salvage expenses. Explain whether there in a general average act. (15 marks)
- 8) 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)

9) 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)

Answers
Part I

Dep PS
SDWT -48260MT
FO – 180MT
FW- 60MT
Cons-360MT
Cgo- 47660MT

Dep BA
SDWT -48260MT
FO – 576MT
FW- 240MT
Cons-360MT
Cgo- 47084MT

Arr. trop
TDWT -49222MT
FO – 456MT
FW- 190MT
Cons-360MT
Cgo- 48216MT

Arr. Sum.
SDWT -48260MT
FO – 192MT
FW- 80MT
Cons-360MT
Cgo- 47628MT

Total Cgo: 47084
Bunker BA- FO-468, FW-210