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DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET

SUBJECT	Maritime Economics	GRADE	11	DATE	8/4/20
TOPIC	Shipping Operations	TERM 1 REVISION	X	TERM 2 CONTENT	X
TIME ALLOCATION	1hr	<u>TIPS TO KEEP HEALTHY</u> 1. WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. 2. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people. 3. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. 4. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. STAY AT HOME.			
INSTRUCTIONS	This worksheet is to be completed in your MRTE exercise/activity book.				

Question 8

Here are details about the vehicle carrier **Asian Tiger**:

She has six decks for vehicles

Length : 210 metres

Loaded Draught : 11 metres

Beam : 30 metres

Port of Registry : Majuro, Marshall Islands

Classification Society : American Bureau of Shipping

Cargo : 960 cars

Owner : Centurion Shipping, Osaka, Japan

Managers : Jupiter Ship Management

Hong Kong Charterer : Benz Shipping, Hamburg, Germany

She is on bareboat charter

Origin of Cargo : Benz Vehicle Assembly Plant, East London, South Africa
Loading Port : East London, South Africa
Discharge Port :300 cars at Fremantle, Australia
Balance of cargo at Sydney, Australia
Owner of Cargo : Benz Vehicle Distributors, Australia
Value of Ship :US\$42 million
Value of Cargo :All cars are valued at US\$80 000 each
Value of Bunkers on board :US\$1 520 000 (Owned by the shipowner)

Study the details given above.

Assume the following when the cargo was loaded in East London:

- Loading was done at a rate of 20 cars an hour per ramp and she has two ramps.
- Loading began at 08:00 on 17 October.
- Loading is on a 24-hour basis apart from the breaks mentioned below.
- Breaks (tea breaks, lunch, change of shift, etc.) total 8 hours for the duration of the loading process
- A severe hailstorm meant that no loading was done from 19:00 to 20:00 on 17 October.
- Lashing of the vehicles will continue for four hours after completion of loading.
- Before she can sail, various clearance procedures will take four hours once the lashing has been completed.
- She can only sail in daylight hours.

(a) How many hours will it take to complete the loading of the cargo, including breaks but excluding the other stoppages? Round off to the NEXT hour, e.g. 22.2 becomes 23 hours. (6)

(b) How many hours will the entire loading process take? Include breaks and other stoppages. (4)

(c) When will the lashing of the cargo be finished? (6)

(d) Assume that the agreed laytime is 43 hours, including breaks, but excluding other stoppages. Did the loading process take longer than the agreed time? Answer YES or NO. (2)

(e) Which was payable: demurrage or dispatch? (2)

(f) Who would be liable for payment? Choose your answer from:

SHIPOWNER or CHARTERER or AGENT. (2)

(g) When will the ship be ready to sail from East London? (4)

(h) Will she be able to sail at that time? Answer YES or NO. (2)

(i) Why will loading have to be suspended during the hailstorm? (2)

(j) What type of flag does Asian Tiger fly? (2)

- (k) What are the responsibilities of a flag state? (4)
- (l) Name two advantages of Open Flags (4)
- (m) Give two indicators of an inefficient port. (4)
- (n) Give three common causes for accidents at sea. (3)
- (o) Give three types of Maritime accidents. (3)