

**DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)**

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | Maritime Economics | **GRADE** | 11 | **DATE** | 01/4/20 |
| **TOPIC** | Shipping Operations | **TERM 1**  **REVISION** | X | **TERM 2 CONTENT** | x |
| **TIME ALLOCATION** | 15min | **TIPS TO KEEP HEALTHY**  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 1**

**Read through the extract from Lloyd’s register below. You will need to use some of the information in this extract to answer some of the questions**

**Halifax Sun** 19243grt 2009 Kure Shipyard, Japan M Bulk Carrier

North Star -12 15467 nrt 179m 30,2 m 11,6m 5holds

Storm Petrel -10 29431dwt

Sun Shipping Strengthen for heavy cargoes 5cranes (30SWL)

Holds 2 and 4 can be empty 480TEU(on deck)

Valetta Malta 2410 tons HFO 30 tons HFO/day

2 tons MDO/day

Sometimes a part -cargo of one product is available for shipment. Several of these part -cargoes can be shipped in one ship, usually a Panamax or a Handysize bulker. The following cargoes will be shipped from Durban in the bulker Halifax Sun to Oslo(first discharge port) and Bergen (second discharge port). Both of these ports are in Norway.

No1 Steel 4500 tons Durban to Oslo

No2 Woodchip 4800 tons Durban to Bergen

No3 Ferrochrome 5800 tons Durban to Oslo

No4 Titanium slag 5400 tons Durban to Bergen

No5 Zircon 4900 tons Durban to Oslo

She will load these cargoes with her own cranes and will also discharge these cargoes with her own cranes.

* 1. How many tons of cargo will be loaded in Durban by Halifax Sun? (4)
  2. What term is given for part cargoes carried like this? (2)
  3. Where is Halifax Sun registered? (2)
  4. Where was she built? (2)
  5. During which year was she called Storm Petrel? (2)
  6. Will her draught be greater or less when she arrives in Bergen? (2)
  7. Explain your answer in Question 1.6 (2)
  8. Give four reasons why Halifax Sun is suitable for this cargo. (2x4)
  9. Draw a diagram to show the general arrangement (bow to stern) of Halifax Sun. Her accommodation and engineroom are aft. Show the cargo distribution when she sails from Oslo to Bergen (10)