

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

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| **SUBJECT** | Nautical Science | **GRADE** | 10 | **DATE** | 21/4/20 |
| **TOPIC** | Seamanship | **TERM 1****REVISION** | X | **TERM 2 CONTENT** | X |
| **TIME ALLOCATION** | 20min | **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 5**

5.1 After lengthy periods on the high seas, on reaching coastal waters of South Africa, the captain of a vessel charted (hired) a boat or helicopter to deliver him to the nearest casino in order to satisfy his gambling cravings . He delegated command of the vessel to his second-in-charge, the Chief Officer, for the duration of his absence. In regard to ‘command’, are the Captain’s action permitted? (1)

5.2 Justify your answer to the above question (2)

**Question 6**

6.1 There are five (5) common or ‘typical’ ship accidents . Name any three. (3)

**Question 7**

7.1 By means of a ‘Fire Triangle’ indicate the elements of a fire and their relationships. (4)

**Question 8**

8.1 List the following actions in the correct order of sequence of execution in terms of the Man Overboard Recovery Procedure: (4)

1. Throw the Man Overboard Life Ring and Marker Buoy over the ship’s side;
2. Launch the sea boat;
3. Raise the Man Overboard alarm;
4. Man (crew) the sea boat.

**Question 9**

9.1 When/if the Captian and Chief Officer of a ship are disabled, the next senior officers onboard are the Chief Engineer and Second Mate. Who assumes (take over) the command responsibilities for the vessel? (1)

9.2 Give motivation for your reply to the above question. (2)

**Question 10**

10.1 Indicate whether the following statements are TRUE or FALSE.

1. The Concept, Preliminary and Contract designs form the bases of Total Design. (1)
2. Modular/block style construction technique facilitates the building of larger

ships within shorter time spans. (1)

1. The Captain of a sea-going vessel is inescapably and solely responsible and

accountable for the safety, administration and operation of his/her vessel. (1)

1. The statement “safety first” is not applicable during a fire emergency (1)
2. Fire-fighting is essentially an effort of removing one or all elements of a fire

 and / or disruption of the chemical reaction between the elements of a fire. (1)