 Province of the

EASTERN CAPE

EDUCATION

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

**HOME SCHOOLING SELF-STUDY WORKSHEET**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SUBJECT** | Nautical Science | **GRADE** | 12 | **DATE** | 30 March – 04 April |
| **TOPIC** | Rule of the Road | **TERM 1**  **REVISION** | (Please tick)√ | **TERM 2 CONTENT** | (Please tick) |
| **TIME ALLOCATION** | 4 hours | **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** | Complete this worksheet in your Nautical Science exercise book.  Complete one question per day |

**Rule of the Road**

**QUESTION 1**

* 1. A vessel proceeding under sail and machinery power is a:

1. Sailing vessel
2. Power driven vessel
3. Multimodal vessel
4. All of the above (1)

1.2 A vessel at anchor at sea is said to be:

1. Underway but not making way
2. Underway and making way
3. Not underway
4. Underway (1)

1.3 A vessel not under power but simply drifting about at sea is said to be:

1. Underway but not making way
2. Underway and making way
3. Not underway
4. Underway (1)
   1. Decode the acronom WIG (1)

* 1. What is the official name of the “Rule of the Road” publication? (1)
  2. A reference to the “Organisation” in the Rules refers to which

organisation? (1)

* 1. What is the South African and Namibian rescue signal? (1)
  2. To whom do the Rules apply? (4)
  3. Complete the following statements with respect to responsibility (Rule 2):
     1. *Nothing in these rules shall exonerate any \_\_\_, \_\_\_, \_\_\_, \_\_\_ ,*

*from the consequences of any neglect to comply with these Rules*

*or of the neglect of any precaution which may be required by the* \_\_\_, or by \_\_\_. (6)

* + 1. *In construing and complying with these rules due regard shall be had to \_\_\_, and \_\_\_, and \_\_\_.* (3)

**Sub Total [20]**

**QUESTION 2**

* 1. Define:
     1. Vessel (5)
     2. Power driven vessel (2)
     3. Sailing vessel (2)
     4. Vessel engaged in fishing (8)
     5. Vessel not under command (NUC) (3)
     6. Vessel restricted in ability to manuoeuvre (RAM) (3)
     7. Restricted visibility (7)

**Sub Total [30]**

Question 3



**Maritime Communications**

**QUESTION 4**

* 1. Traditionally ships at sea have relied on Morse code for distress and safety telecommunications. GMDSS is a new international distress communication system that provides the communication support needed for search and rescue purposes.

Summarise the main concepts or principles and capabilities introduced by GMDSS in order to

improve maritime distress and safety communications. (3)

2.2 To which SOLAS ships is GMDSS mandatory / compulsory? (2)

2.3 Name five (5) major sub-systems comprising the GMDSS system. (5)

2.4 Describe what an EPIRB is. (10)

2.5 Describe what a SART is. (5)

2.6 Under SOLAS, every GMDSS-compliant ship, while at sea, must have a range of equipment

Capable of performing the nine (9) essential communication functions.

List five of these functions. (5)

**[30]**