



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology
Department of Mechanical & Automotive Engineering
UNIVERSITY EXAMINATION FOR:
Diploma in Nautical Sciences
ANS 2215 : Watch Keeping Practices II
END OF SEMESTER EXAMINATION
SERIES: AUGUST 2019
TIME: 2 HOURS
DATE: Pick Date Aug 2019

Instruction to Candidates:

You should have the following for this examination

- *Student I.D. Card & Examination Pass*
- *Answer booklet*
- *Non-Programmable scientific calculator*

This paper consists of **FIVE** questions. Attempt any **THREE** questions.

Maximum marks for each part of a question are as shown.

Do not write on the question paper.

Question ONE

- a. Explain how to obtain and maintain situational awareness. (10 marks)
- b. Explain information exchange with pilot. (10 marks)

Question TWO

- a. State the legal requirement for carriage of plotting aids. (10 marks)
- b. Explain 5 limitations of using Automatic radar plotting aids (ARPA). (10 marks)

Question THREE

- a. Define 'pilotage'. (2 marks)
- b. List the items for pilotage planning. (8 marks)
- c. Duties and responsibility when pilot is embarked. (10 marks)

Question FOUR

Describe the duties of the officer of the watch in port.

(20 marks)

Question FIVE

Explain why the officer of the watch should be aware of the nature of the hazardous cargo.

(20 marks)