



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology
Department of Mechanical & Automotive Engineering
UNIVERSITY EXAMINATION FOR:
Diploma in Nautical Sciences
ANS 2213 : Watch Keeping Practices II
SPECIAL/ SUPPLEMENTARY 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

Explain blind pilotage preparations and executions. (20 marks)

Question TWO

Explain the different satellite constellation configurations under GLONASS and GPS respectively. (20 marks)

Question THREE

- Define 'hazardous cargo'. (2 marks)
- State special requirements necessary for special types of ships or cargo. (8 marks)
- Explain why sufficient personnel should be readily available on board when carrying hazardous cargo in bulk (10 marks)

Question FOUR

Describe the principles to be observed in Keeping Navigation Watch. (20 marks)

Question FIVE

Explain factors that shall be taken into consideration (as described in the regulations) to ensure proper look out is maintained. **(20 marks)**