

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering and Technology Department of Mechanical & Automotive Engineering UNIVERSITY EXAMINATION FOR:

Diploma in Marine Engineering (Y3S1)

EMR 2307: Marine Research Methods I (Paper 2)

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018
TIME: 2 HOURS
DATE: Sep 2018

Instruction to Candidates:

You should have the following for this examination

- Examination Pass & Student ID Card
- Answer booklet

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

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a,	Dunic die nicai	mig of icocar	cii aiiu cz	voiani ui	ic characteris	ones or resea	11 CII, (1	o marks)

b) State	any TEN factors	to be conside	ered when selectir	ng a project.	(10 marks)
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Question TWO

a) Describe the steps in the research process.	(10 marks)
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b) State any FIVE types of data. (10 marks)

Question THREE

a)]	Describe the types of samples.	(10 marks)
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b) Describe any FIVE methods of Observation when collecting data. (10 marks)

Question FOUR

b) Describe the 3 types of Questionnaires. (6 marks)

Question FIVE

a) Describe any FIVE ethical considerations when doing research.	(10 marks)
b) State any FIVE types of reference materials.	(5 marks)
c) Mention the data processing operations.	(5 marks)