



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF BUSINESS

DEPARTMENT OF MANAGEMENT SCIENCE

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN SHIPPING

BSP 2211: OFFSHORE SUPPORT INDUSTRY

END OF SEMESTER EXAMINATION

SERIES: APRIL 2020

TIME: 2 HOURS

DATE: Pick Date Apr 2022

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

- (a) Explain the features of **any two** types of OSV. **(10 Marks)**
- (b) Define what is meant by Offshore Support Vessels. **(5 Marks)**
- (c) Outline the role of the following conventions on the OSV. **(15 Marks)**
 - (i) SOLAS
 - (ii) MARPOL
 - (iii) MLC

Question TWO

(a) The Oil and Gas industry is often divided into three segments:

- (i) Upstream
- (ii) Midstream
- (iii) Downstream

Explain each of the three segments. **(15 Marks)**

(b) Explain the meaning of **cartel** in the oil and gas industry. **(5 Marks)**

Question THREE

(a) Discuss the main disadvantage of cartel to the consumer. **(5 Marks)**

(b) Countries and international organizations like the United Nations influence the price of oil and natural gas both domestically and abroad through the use of;

- (i) Tariffs,
- (ii) Embargoes, and
- (iii) Subsidies.

Explain how each of these would cause variations in price of oil and gas. **(15 Marks)**

Question FOUR

(a) Explain **any two** factors driving OSV to be bigger, stronger and more sophisticated than before. **(10 Marks)**

(b) In addition to the specific functions of the OSV, discuss any other two services that they may be called upon to provide when need arises. **(10 Marks)**

Question FIVE

(a) The OSV market is divided into two main segments:

- (i) The Platform Supply Vessels (PSV)
- (ii) The Anchor Handling Tug Supply (AHTS) vessels.

Describe use of the vessels involved in each of the above segments. **(10 Marks)**

(b) Explain the use of any two of the following offshore drilling rigs, indicating where they are applicable. **(10 Marks)**

(i) Jackups

(ii) Berge rigs

(iii) Submersible rigs

(iv) Fixed platforms