



NOVEMBER 2021 EXAMINATION SESSION  
WEDNESDAY 24<sup>th</sup> NOVEMBER 2021 – MORNING

## OFFSHORE SUPPORT INDUSTRY

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

1. Explain **FOUR** of the following terms/acronyms.
  - i. AHC Crane
  - ii. FMEA
  - iii. ISM Code
  - iv. Knock for knock
  - v. OVID
  - vi. W2W
2. Using diagrams to support your answer describe and identify the main features and equipment of a modern Diving Support Vessel suitable for undertaking saturation diving operations.
3. BIMCO SUPPLYTIME 2005 is a charter party used within the offshore industry. Select **FIVE** clauses you consider significant, discuss their relevance and any amendments you might suggest explaining your reasons why.
4. Offshore wind farms are constructed using both fixed and floating foundations. Describe each of these concepts and contrast and compare the different type of construction, support and service vessels that will be utilised by each type.
5. Your exclusive client has requested a meeting to discuss the options relating to anchor handling vessel specification selection for the forthcoming deployment of a semi-submersible drilling rig from a sheltered shallow-water area to a harsh environment deep-water location.

Prepare a briefing note for the meeting highlighting the key considerations which will be evaluated as part of the vessel selection process.

**PLEASE TURN OVER**

6. Use the world map provided to indicate areas where FPSOs are deployed. Describe the operating concept of these vessels highlighting their advantages and disadvantages when compared with other offshore installations.
7. Describe the OSV spot, medium and long term charter markets; discuss their advantages/disadvantages to both the charterer and owner.
8. Discuss how the effects of the COVID 19 pandemic have impacted on the offshore support industry.