



WEDNESDAY 22nd MAY - AFTERNOON

OFFSHORE SUPPORT INDUSTRY

Time allowed – three hours

Answer any FIVE questions – all questions carry equal marks

Please read the questions carefully before answering

1. Draw a clearly labelled diagram of a modern AHTS identifying the main equipment/features on the working deck.

Provide a brief description of all equipment/features identified.

2. Discuss the role and functions of **TWO** of the following organisations:

- a) IMCA
- b) OCIMF
- c) OPITO

3. Describe a typical cable or flexible pipelaying procedure and provide an overview of the marine support required for the operation.

4. Describe using diagrams where appropriate, the operational concept of an FPSO. Your description should focus on the mooring and production riser arrangements.

PLEASE TURN OVER

5. Chose **TWO** of the following special activities and then draft rider clauses for their inclusion in an OSV Charter Party:
 - a) Helicopter Operations
 - b) Passengers
 - c) ROV Operations
 - d) Sub-sea Crane Operations
 - e) Saturation Diving Operations

6. Choose an offshore oil producing region described as 'mature', and provide an explanation of the use of this term including a description of the type of oil production developments that are found there.

7. 'Rising unconventional oil production combined with competition for market share will increase the risk for frontier offshore developments.' Discuss this statement and consider how your conclusions will impact on the offshore support market.

8. A competent and competitive offshore broker will offer a range of services to their clients. Explain the range of services and discuss how a broker can add value and remain competitive in the modern offshore market.