



**MAY 2023 EXAMINATION SESSION
THURSDAY 18th MAY 2023 – 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. Answer **BOTH** parts of the question.
 - a) Describe using diagrams to support your answer, the general arrangement and operational concept of a jack-up drilling rig.
 - b) Discuss and compare the features of these units with Semi-Submersible drilling rigs.
2. Explain the primary differences between DP Classes 1, 2 and 3 and give examples of some of the types of vessels within each DP Class.
3. Your exclusive client has requested you to provide an overview of your assessment of the PSV term charter market over the next 2/3 years. Prepare a draft report indicating the main factors that will be used for a region of your choice.
4. With particular reference to recent energy price movement and global tensions prepare a chartering strategy report for your exclusive OSV/OCV owner, advising on the current energy market situation including relevant recommendations with your reasons.

PLEASE TURN OVER

5. Choose **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. Environmental impact and efficiency are key elements in new vessel specification. Discuss what recommendations you would make to an Owner considering a new build vessel for a long-term multi-purpose/stand-by role with a major oil company.

7. Discuss the demand for OSV vessels supporting offshore renewable energy industry developments.

8. Explain the requirement for Contractual Liability Extension insurance for offshore vessel operations.