



MONDAY 20th APRIL 2015 – 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. In an active spot market the ability to fix promptly is important. Discuss how an effective charter party suitable for all parties can be developed.
2. Give a detailed explanation of **five** of the following:
 - a. Casing
 - b. Spudding in
 - c. DP
 - d. FPSO
 - e. Hyperbaric lifeboat
 - f. Moonpool
 - g. Pipe carrier
3. Over recent years the offshore industry has seen an increase in vessels designated MPSV. With the aid of a diagram describe a modern MPSV indicating key details, dimensions and capacities.
Explain the significant features and workscope and discuss how the area of operation could influence the design specification of the vessel.
4. Describe the life cycle of an offshore oil and gas field, and explain the various services the field operator requires at each phase. Which types of vessel are most suited to support these requirements?
5. Your exclusive Owner with a fleet of PSV and AHTS vessels is intending to replace some older tonnage and would like to evaluate moving into the construction vessel market. Write a chartering strategy report on the current state of the relevant markets, together with your recommendations.

PLEASE TURN OVER

6. Describe the procedures involved when moving a semi-submersible drilling rig and discuss the practical issues and considerations a Charterer must take into account. Where appropriate use diagrams to illustrate your answer.
7. Supply vessels carry a range of products both on and below deck. Describe these products, explaining their uses offshore. Outline their characteristics and any special features required to carry them safely and efficiently.
8. Describe the various types of pipelaying vessels used in the offshore industry and discuss the support vessel requirements for each type.