



INSTITUTE OF
CHARTERED
SHIPBROKERS

NOVEMBER 2022 EXAMINATION SESSION
MONDAY 14th NOVEMBER – 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. Explain **FOUR** of the following terms/acronyms.
 - i. PLGR
 - ii. W2W
 - iii. OIM
 - iv. MODU
 - v. Pipecarrier
 - vi. Hyperbaric Lifeboat

2. What is 'hybrid propulsion'? Describe your understanding of this propulsion arrangement including any advantages/disadvantages. Use diagrams to support your answer.

3. Using diagrams to support your answer describe and identify the main features and equipment of a modern Anchor Handling Tug Supply (AHTS) vessel equipped for deep water operations.

4. Using the world map provided select an area of offshore activity (either Oil & Gas OR Offshore Wind) and identify and analyse the key ports within that area.
Analysis should include distances to offshore locations and the port facilities to support the offshore industry. Discuss issues which will affect future growth and development.

5. Answer **BOTH** parts of the question.
 - a) Discuss the development of OSVs over recent years.
 - b) Describe the most significant developments and explain the reasons for them.

PLEASE TURN OVER

6. Discuss the purpose of an on-hire and off-hire survey, describe some of the issues that such surveys could raise.
7. Provide a general overview of the Offshore Renewable Energy Industry (OREI) market for offshore support vessel operators.
8. As an OSV broker, write a detailed fixture recap for the 12 month + 2 x 3-month option charter, of a PSV by an oil major, to be employed in a country of your choice, and in support of an exploration drilling programme.