1. Using a vessel and dry cargo of your choice draft a voyage offer for your owner. Use this voyage offer to produce a voyage estimate to calculate the daily earnings the owner could expect if he fixed the cargo.

2. As a broker to an owner who has little experience of the dry bulk market, draft a message describing the function of the main protective clauses in a voyage charter party. Draft at least one specimen clause to help your owner understand the wording involved.

3. Using diagrams describe the principal features of a Panamax bulk carrier. What information about the ship would be available to you from the ship’s capacity plan?

4. Select **TWO** of the following commodities:
   Coal,
   Iron ore,
   Grain,
   Fertilisers
   Using a separate map for each commodity to illustrate your answer, describe the main trade routes of your chosen commodity as well as its hazards and characteristics.

5. The loading of your owner’s vessel has taken longer than charterers anticipated (through no fault of the ship), they are now asking you, as broker, to request that the Master signs the Bills of Lading prior to completion of loading. Draft a message to your Owner with your advice, explaining all possible outcomes for any actions.

6. Explain fully the differences between each of the following: (answer all parts)
   (a) reversible and non reversible laytime
   (b) all time saved and working time saved
   (c) demurrage and despatch money

7. Write a market report for your principal detailing the main fundamentals of the current dry bulk market situation and your forecast for the rest of the year. You can use real or imaginary data.
8. (a) Draft a typical time charter party clause covering all aspects of bunkers on delivery and redelivery. Using imaginary data, draft a typical first hire payment calculation for a vessel delivering to Charterers.

(b) A vessel on time charter deviates to carry out a scheduled dry dock. Explain the calculations involved.