



UNIVERSITY  
OF  
JOHANNESBURG

**QUALIFICATION** : B COM HONS

**MODULE** : MARITIME: SHIPPING & HARBOURS

**CODE** : TRE8X12

**DATE** : JANUARY 2018  
SUPPLEMENTARY EXAMINATION

**DURATION** : 180 MINUTES

**TOTAL MARKS** : 180 MARKS

---

**EXAMINER(S)** : PROF JH DU PLESSIS

**(EXTERNAL) MODERATOR(S)** : PROF S. GRATER

**NUMBER OF PAGES** : 2

---

**INSTRUCTIONS TO CANDIDATES:**

- Question papers must be handed in.
- This is a closed book assessment.
- Read the questions carefully and answer only what is asked.
- Number your answers clearly.
- Write neatly and legibly.
- Structure your answers by using appropriate headings and sub-headings.
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

**QUESTION 1**

**(30 MARKS: 30 MIN)**

A merchant ship is a substantial physical asset and its value can change rapidly. Describe the process of valuing merchant ships as undertaken by sale and purchase brokers.

**QUESTION 2**

**(30 MARKS: 30 MIN)**

Trade is subject to cycles at three levels: seasonal cycles, which occur regularly at particular times of the year; short-term cycles, which accompany the international business cycles and long-term waves arising from structural developments in the international economies. Analyse the commodity trade cycles.

**QUESTION 3**

**(30 MARKS: 30 MIN)**

The shipbuilding market mechanism uses the volatility to balance the supply and demand for ships whilst at the same time drawing in new low-cost shipbuilders and driving out high-cost capacity. Describe the economic principles of shipbuilding.

**QUESTION 4**

**(30 MARKS: 30 MIN)**

A shipping line has appointed you as a shipping economist to assist the naval architect in designing a fleet of vessels to operate as coasters on the feeder service from Durban up and down the East coast of Africa. The fleet will serve the ports of Maputo, Beira, Nacala, Dar es Salaam and Mombasa. You are required to formulate the design criteria for the vessels and to present your report to the board of directors on the type of vessel you recommend.

**QUESTION 5**

**(30 MARKS: 30 MIN)**

Discuss the techniques for preparing cash flow calculations that can be used as a basis for decision making for a shipping business to survive the long depressions that are a feature of the shipping market.

**QUESTION 6**

**(30 MARKS: 30 MIN)**

A commodity trader has contacted you with the request that you assist him in compiling a report on the South African coal export transport system from the mines through the Richards Bay coal terminal. In addition you are also required to recommend in your report the type of vessel required to transport 600000 tons of coal per annum on a time charter consisting of 8 voyages per annum.

[180]

ooOoo