

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E SEM-VII Examination-Nov/Dec.-2011

Subject code: 171801

Date: 19/11/2011

Subject Name: Marine Auxiliary Machinery - III

Time: 10.30 am-01.00 pm

Total marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain function of Compressor, Condenser, & Evaporators in A.C. systems. **07**
(b) Define Dead food & Live food. Explain Refrigeration, Air conditioning & Ventilation. **07**
- Q.2** (a) What is “ Defrosting” ? Explain Container Cooling system. **07**
(b) Explain different types of test for refrigerant Leakage. **07**
- OR**
- (b) Draw & Explain refrigerant charging arrangement. **07**
- Q.3** (a) Explain Dry bulb temperature, Wet bulb Temperature, & dew point. **07**
(b) Explain Humidity, Relative humidity, humidity ratio & Specific Volume., **07**
- OR**
- Q.3** (a) Explain Bends & Ducts With necessary diagrams. **07**
(b) Explain Different types of Cargo Ventilations. **07**
- Q.4** (a) Explain Parrafin, Napthanic, & Synthetic base oil. **07**
(b) What is fuels ? Explain fuels treatment for marine I.C.E. **07**
- OR**
- Q.4** (a) Classify the lubricants & explain its properties. **07**
(b) Explain additive oils & their uses. **07**
- Q.5** (a) Explain source of noise on Ships & their Suppression Techniques. **07**
(b) What is Damper ? explain it. **07**
- OR**
- Q.5** (a) Explain purifying & transfer system of lubricating oil. **07**
(b) What is Air Conditioning ? Give advantages & disadvantages of Central A.C. system. **07**
