



UNIVERSITI KUALA LUMPUR
Malaysia France Institute

FINAL EXAMINATION
JANUARY 2011 SESSION

SUBJECT CODE : FRD 10103
SUBJECT TITLE : REFRGERATION FUNDAMENTAL & TOOLS
LEVEL : DIPLOMA
TIME / DURATION : 9.00am – 12.00pm
(3 HOURS)
DATE : 09 MAY 2011

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.
 2. This question paper is printed on both sides of the paper.
 3. Please write your answers on the answer booklet provided only question no 2 write on the question booklet.
 4. Answer should be written in blue or black ink except for sketching, graphic and illustration.
 5. This question paper consists of TWO (2) sections. Section A and B. Answer all questions in Section A. For Section B, answer three (3) questions only.
 6. Answer all questions in English.
 7. Mollier and Psychrometric chart is appended must be submitted together with question booklet.
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THERE ARE 9 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

SECTION A (Total: 25 marks)**INSTRUCTION: Answer ALL questions.**

Please use the answer booklet provide

1. Which of these is not expressed as Atmospheric pressure?
 - A. 1.033 kgf/cm²
 - B. 760 mmHg
 - C. 14.7 lbf/in²(psi)
 - D. 14.7 Bar

2. Which of the aspects below are fundamental processes of a refrigeration cycle:
 - I. Expansion
 - II. Convection
 - III. Compression
 - IV. Evaporation
 - A. I, II and III
 - B. I, III and IV
 - C. II, III and IV
 - D. I, II, III and IV

3. Which refrigerant have a 0 ODP?
 - A. HFCs.
 - B. HCFCs.
 - C. CFCs.
 - D. both a and b.

4. A Compound gauge is use to
 - A. show the highest and the lowest temperature reached
 - B. show pressure-temperature relationship
 - C. measure pressure (psig) and vacuum (in.Hg)
 - D. give accurate readings in the usual range and approximate readings over the wider range.

5. The correct location for TXV sensing bulb is :
 - A. at the Condenser outlet.
 - B. at the Evaporator outlet
 - C. on the Compressor side of the external equalizer tube
 - D. at the Evaporator outlet

