UNIVERSITI KUALA LUMPUR
Malaysia France Institute

FINAL EXAMINATION
JANUARY 2011 SESSION

SUBJECT CODE : FVB 30102
SUBJECT TITLE : AUTOMOTIVE REGULATION AND STANDARD
LEVEL : BACHELOR
TIME / DURATION : 3.30pm - 5.30pm
( 2 HOURS )
DATE : 07 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.

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 four (4) questions only.

6. Answer all questions in English.

THERE ARE 4 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.
SECTION A (Total: 40 marks)

INSTRUCTION: Answer ALL questions.
Please use the answer booklet provided.

Question 1

Differentiate between N2 and M2 category vehicle.

(6 marks)

Question 2

Give the definition of "Driver Mass" accordance to ISO standard 2416–1992.

(5 marks)

Question 3

Eventough RTD allowed small modifications and installation without approval it still should be in compliance to the Motor Vehicles (Construction and use) Rules 1959 or Motor Vehicles (Construction, Equipment and Use) Rules 1988. Give four restrictions on this category:

(8 Marks)

Question 4

Sketch and explain the main difference between Ladder frames and Cruciform frames

(5 marks)

Question 5

Environment Quality (Control of Emission from Petrol Engine) Regulation, 1996 stated that there is a certain emission limit for the vehicles enforced since September 1996 for new and existing model. Give the emission limit for new model and existing model?

(6 Marks)
Question 6

Based on the Figure 1 identify the respective dimension and elaborate all types of vehicle registration number under JPJ standard according to the Road Transport Act 1987, section 11

(10 Marks)

Figure 1: Vehicle registration number
SECTION B (Total: 60 marks)

INSTRUCTION: Answer only FOUR questions.
Please use the answer booklet provided

Question 7

Describe how the process conversion of engines changing in, which the engine is the same model but the engine capacity is increased less than 25% from the original engine. What are the documents that should be submitted during application of conversion engine.  

(15 Marks)

Question 8

By referring to the figure 1 below, there is an involvement of the conversion of the rear roof; explain the area involved, technique of modification, technique to detect the defect and the impact on the vehicle.

(15 Marks)

Figure 1: Conversion of the rear roof

Question 9

Give three conditions on which a motor vehicle may be used under a motor trade licence.

(15 Marks)
Question 10

a) Give definition of Engine number (2 marks)

b) What is a vehicle Identification Number (VIN) (3 marks)

c) VIN contains 17 digits, Give an example and explain it. (10 marks)

Question 11

a) There are modifications or accessories installation that can be carried out with the prior approval from RTD. List 6 modifications that are allowed in this category. (12 Marks)

b) RTD is an agency under MOT responsible for registering vehicles, testing and licensing drivers, enforcing road traffic rules, and monitoring privatized vehicle inspection activities. In terms of enforcement, RTD focuses on four acts. List all of the acts. (3 Marks)

END OF QUESTION