



**UNIVERSITI KUALA LUMPUR**  
**Malaysia France Institute**

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# **FINAL EXAMINATION**

## **SEPTEMBER 2013 SESSION**

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**SUBJECT CODE** : FVB 31003  
**SUBJECT TITLE** : VEHICLE STANDARD AND REGULATION  
**LEVEL** : BACHELOR  
**TIME / DURATION** : 2.5 HOURS  
**DATE** :

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### **INSTRUCTIONS TO CANDIDATES**

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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. Answer **ALL** questions in Section A. For Section B, answer **THREE (3)** questions only.
  6. Answer all questions in English.
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**THERE ARE 3 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.**

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**SECTION A (Total: 40 marks)**

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

**Question 1**

Explain briefly what is the category M3, N3 and O4 vehicle? Give two types of vehicle for each category that are used in Malaysia.

(10 marks)

**Question 2**

Define briefly the general definitions of the followings:

- a) articulate vehicle (4 marks)
- b) incomplete vehicle (3 marks)
- c) complete vehicle (3 marks)

(10 marks)

**Question 3**

List **EIGHT (8)** major factors of inspection failure as stated by RTD for a collision repair vehicle.

(10 marks)

**Question 4**

Name **TEN (10)** minor modifications and additional accessories allowed on vehicles that do not require approval from the authority?

(10 marks)

**SECTION B ( Total 60 marks)**

**Answer only THREE (3) questions only**  
**Please use the answer booklet provided**

**Question 5**

- a) Name the types of vehicles inspection carried out by Puspakom before being allowed to be on the road.  
(10 marks)
- b) List the detail documents required by RTD for the application of accident repair vehicle.  
(10 marks)

**Question 6**

- a) What type of engine conversions that are allowed by the RTD?  
(5 marks)
- b) Describe in detail the process of engine conversion with a bigger engine capacity from the original engine. What are the documents should be submitted for this type of conversion?  
(15 marks)

**Question 7**

- a) What are the types of Cut and Joints that are allowed by RTD on a vehicle?  
(6 marks)
- b) List the types of Cut and Joint which are not allowed by RTD and the negative impact to the vehicle modification.  
(14 marks)

**Question 8**

- a) The engine mounting is one of the control components that is against any modification by RTD. Give your opinion on this matter.  
(5 marks)

- b) Explain the steps and conditions that should be taken into consideration when changing the complete engine and things that should be adjusted accordingly. Justify your consideration why this is an important matter.

(15 marks)

**END OF QUESTION**