



THE COUNCIL OF COMMUNITY COLLEGES OF JAMAICA
ASSOCIATE OF SCIENCE EXAMINATION
SEMESTER I – 2014 DECEMBER

PROGRAMMES: AUTOMOBILE REPAIRS AND ENGINEERING

COURSE NAME: AUTO BODY REPAIRS I
CODE : (AUTO1201)

YEAR GROUP: TWO

DATE: THURSDAY, 2014 DECEMBER 18

TIME: 9:00 A.M. – 12:00 NOON

DURATION: 3 HOURS

EXAMINATION TYPE: FINAL

This Examination paper has 3 pages

INSTRUCTIONS:

SECTION B: ANSWER ANY THREE (3) QUESTIONS FROM THIS SECTION.

SECTION B

*Instructions: Answer any **THREE (3)** questions from this section.*

Question 1

- a. What is WHMIS? *(3 marks)*
- b. What are the **two (2)** categories of illnesses that occur when using hazardous materials and explain their differences? *(12 marks)*
- c. List the **three (3)** stages of respirator irritants location and what occur in each section. *(10 marks)*

(Total 25 marks)

Question 2

- a. Explain what hazards are there when using a grinding wheel? *(8 marks)*
- b. An electrical power tools? *(7 marks)*
- c. Why should the operating condition of power tools be checked? *(7 marks)*
- d. There are **three (3)** protective gears that can be used to protect your eyes. What are they? *(3 marks)*

(Total 25 marks)

Question 3

- a. List **three (3)** main items that are associated in a mig gun assembly set up. *(3 marks)*
- b. State their purpose *(14 marks)*
- c. Identify the code and what does it represent, ER70S-6 *(8 marks)*

(Total 25 marks)

Question 4

- a. What is the most common type of flame used in oxy- acetylene when welding Sheet metal? *(2 marks)*
 - b. State the procedure and the purpose of shutting down the oxy-acetylene equipment *(15 marks)*
 - c. List **eight (8)** safety precautions when using oxy-acetylene equipment. *(8 marks)*
- (Total 25 marks)*

Question 5

- a. Identify the parts of the torch body and cutting attachment in the diagram below. *(11 marks)*
 - b. Explain what happens when a backfire occurs. *(7 marks)*
 - c. Explain what happens when a flashback occurs. *(7 marks)*
- (Total 25 marks)*

END OF EXAMINATION