



**Faculty of Electrical & Electronics Engineering
Low Voltage Electrical Installation**

Name: _____

ID No. : _____

Section: _____

Date: ____/____/2017

(Failed to complete all the particulars above will be penalized 2 marks)

QUIZ 8

1. Based on Suruhanjaya Tenaga’s guideline for electrical wiring in residential buildings, which colour of wire that is **NOT** mandatorily considered as Live (L) Conductor? **[2 marks]**
 - a) blue
 - b) red
 - c) green
 - d) yellow

2. **X** is a protection device that is obligatorily used in installing wiring in homes, factories and etc. It functions as a protector to any electrical circuits installed from damage which is usually caused by overload or short circuit. Please state the name of **X**. **[2 marks]**
 - a) Earth Leakage Circuit Breaker
 - b) Magnetic Contactor
 - c) Miniature Circuit Breaker
 - d) Mould Case Circuit Breaker

3. Razman has bought a new bungalow house at Taman Melor, Pekan Town, Malaysia. He makes legal agreement with Tenaga National Berhad (TNB) to allow him to use a three-phase wiring system with a maximum rated current of 40 A. Then, he requests a wireman to install a main switch/breaker with above specification. Please choose the correct name of this breaker. **[2 marks]**
 - a) Earth Leakage Circuit Breaker
 - b) Mould Case Circuit Breaker
 - c) Mode Case Circuit Breaker
 - d) Neutral Leakage Circuit Breaker

4. When an abnormality happens in your electrical system at your home and it requires you to immediately shut down the system from getting worse, there is one specific switch located on



your distribution box that can be used. What is that?

[2 marks]

- a) Start stop button
- b) Stop push button
- c) One-way switch
- d) Two-way switch

5. Which one of these statements are **TRUE**?

[2 marks]

- a) The colour of neutral, live and earth wires are green, blue and red, respectively.
- b) Ground wire from the socket outlet is directly connected to the earth bar.
- c) Single-phase power supply is 415 V and three-phase power supply is 240 V.
- d) Magnetic contactor is used to divide an electrical power feed into subsidiary circuits.