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BTE/16171



**FACULTY OF ENGINEERING TECHNOLOGY**  
**PRACTICAL TEST 2**

<b>COURSE</b>	<b>:</b>	<b>ELECTRICAL FUNDAMENTALS AND CIRCUIT ANALYSIS II LABORATORY</b>
<b>COURSE CODE</b>	<b>:</b>	<b>BTE 2132</b>
<b>LECTURER</b>	<b>:</b>	<b>NOOR ZAIHAH BINTI JAMAL</b>
<b>DATE</b>	<b>:</b>	<b>DECEMBER 2016</b>
<b>DURATION</b>	<b>:</b>	<b>1 HOUR</b>
<b>SESSION/SEMESTER</b>	<b>:</b>	<b>SESSION 2016/2017 SEMESTER 1</b>
<b>PROGRAM</b>	<b>:</b>	<b>BTE</b>
<b>NAME</b>	<b>:</b>	_____
<b>SECTION</b>	<b>:</b>	_____
<b>ID NUMBER</b>	<b>:</b>	_____

**INSTRUCTIONS TO CANDIDATES**

1. This question paper consists of **five (5)** questions only.
2. Detail instructions as stated in the question's section.

**DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO**

This examination paper consists of two (2) printed pages including front  
page.



Circuit Analysis II Laboratory by Jamal N.Z

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### **INSTRUCTIONS**

- 1) Please answer all the questions below.
- 2) Every student should email softcopy PDF answer sheet (complete with question cover). Please write down your detail information on the email subject (**Name and ID no.**)
- 3) You are allowed to cite any information from books or any website however direct copy and paste are prohibited. Please re-phrase the information in your own words (marks will be deducted if plagiarism are found)
- 4) Marks as stated on each question no. (Explanation with pictures will get higher marks).
- 5) Due date and time to email the softcopy answer script is on **5<sup>th</sup> December 2016 at 11pm**. Submission after due date and time will be void.

### **QUESTION**

- 1) What is Direct Current (DC)? **(2 marks)**
- 2) What is an Alternating Current (AC)? **(3 marks)**
- 3) Explain on how to generate Direct Current **(5 marks)**
- 4) Explain on how to generate Alternating Current **(5 marks)**
- 5) What is hydroelectric power generation and how does it works?  
(Relate with the hydroelectric power generation in Malaysia) **(15 marks)**

