

International Islamic University Chittagong
Department of Electrical and Electronic Engineering

Mid-term Examination Autumn-2019

Course Code: EEE-4721

Time: 1hour 30 minutes

Program: B.Sc. Engg. (EEE)

Course Title: Research Methodology

Full Marks: 30

[Answer any **three** questions from the followings; figures in the right margin indicate full marks.]

- 1(a).** “A careful investigation or inquiry specially through search for new facts in any branch of knowledge.” Explain the statement regarding the research in your own word. **3**
- 1(b).** Name the various types of researches depending on the research objectives. **2**
- 1(c).** What are the common factors that cause Bangladeshi students to undertake research work at home and abroad? **5**
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- 2(a).** Distinguish between Applied and fundamental Research work? Give some suitable example of applied research. Why huge amount of budget is offered in form of various projects for the sector of applied research work? **6**
- 2(b).** Distinguish between Research Method and Methodology and explain it using a suitable example. **4**
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- 3** Explain about the general research process using a block diagram. Why knowing all the steps of the research process is necessary? **10**
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- 4(a).** What do you understand by Generalization, interpretation and report writing? Where and how these things are necessary in the research process? **5**
- 4(b).** How did you accomplished your assignment regarding literature review on your selected topics? Explain the significance of reviewing literatures on a selected topic. **5**