

International Islamic University Chittagong
Department of Electrical and Electronic Engineering

Final Examination Autumn-2018

Program: B.Sc. Engg. (EEE)

Course Code: EEE-4721

Course Title: Research Methodology

Time: 2 hours 30 minutes

Full Marks: 50

Part A

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

1

- a) Differentiate between research plan and research design? Explain why research design is important while doing research. 5
- b) Explain the principle of local control during conduction of a research, using suitable example. 5

2

- a) How writing of a Research Proposal helps the students in their carrier? How to write a successful research proposal? 5
- b) What are the main parts of an ideal research proposal? Describe in brief on each of the parts. 5

3

- a) Distinguish between the principle of replication and principle of randomization with suitable example. 5
- b) Demonstrate the features of a good research design. 5

Part B

4

- a) Explain why the thesis abstract is important and why one should take care about the grammar while writing the thesis abstract? 5
- b) Explain why plagiarism is crime and how it can be avoided while writing thesis or any research article? 5

5

- a) What are the major types of journal articles? Write in brief about each of them. 5
- b) What do you know about open access journal article? How would you choose a suitable journal for your article to publish? 5

6

Compare the types of formal presentations that you have learnt. Among the various presentations which would you prefer most to participate as a student and why? 10

7

- a) What do you know about impact factor of a journal? Explain the significance of impact factor and also the method of determining impact factor of a journal by providing suitable example. 5
- b) Why do you need to go abroad? How would you prepare yourself for higher studies? 5