

International Islamic University Chittagong

Department of Electrical and Electronic Engineering

B. Sc. Engineering in EEE

Midterm Exam, Spring 2022

Course Code: EEE 4709

Course Title: Research Methodology & Seminar

Time: 1 hour 30 minutes

Full Marks: 30

(i) The figures in the right-hand margin indicate full marks

(ii) Course Outcomes and Bloom's Levels are mentioned in additional Columns

Course Outcomes (COs) of the Questions	
CO1	Explore student themselves for higher studies with self-motivation for lifelong learning .
CO2	Demonstrate basic proficiency on writing research proposal, research article and presenting an article in a formal gathering.
CO3	Commit to professional ethics, responsibilities and the norms of the engineering practice.

Bloom's Levels of the Questions						
Letter Symbols	R	U	App	An	E	C
Meaning	Remember	Understand	Apply	Analyze	Evaluate	Create

1. a) What are the possible main objectives of research? What are the pointers to classify research in terms of research objectives? CO1 U 05
1. b) Do you think that research motivation is essential for the researchers? Provide argument in support of your opinion. What are the factors those can motivate a Bangladeshi researcher? CO1 An 05
2. a) Distinguish between a Descriptive research approach and an Analytical research approach using a suitable own example. CO1 U 05
2. b) Do you think that 'research method' and 'methodology' have the same meaning? Provide suitable clarification in support of your opinion. CO1 An 05
- OR**
2. a) Distinguish between an Applied research approach and Fundamental research approach. Make your own example. CO1 U 05
2. b) Discuss briefly how you want to implement different research approaches for Electrical Engineering thesis research. Name your intended thesis topic and also justify your argument for your selected research approach. CO1 E 05
3. a) What are the main challenges for selecting a research problem for the students? Discuss in your own word. CO1 E 05
3. b) Discuss about the way you have prepared your assignment on research proposal? In case you did not prepare it please discuss the matter as per the guidelines provided in the class. CO2 An 05