

1. No. of pages: 8 - There is an extra paper at the end to use it if you need.
 2. No. of questions: 2.
 3. Clear solutions are required. Marks will not be assigned for answers that require unreasonable effort for the instructor to decipher.
 4. Ask for clarification if any question statement is unclear to you.
 5. The weight of each problem is indicated.
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Question #1: (25 marks)

A) What are the required steps to create a good technical report? (8 marks)

Kafrelsheikh University
Faculty of Engineering
Mechanical Engineering Department
Year: 1st year
Subject: Technical report Writing
Code: HUM1206



Semester: 2nd Semester
Final Examination
Date: July 8th, 2021
Time allowed: 2 hours
Full Mark: 50
LOs: A5, A7, A8, and A10

B) What are the different types of technical communication? (3 marks)

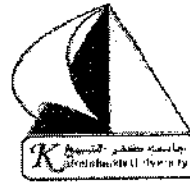
C) What are the aims of the technical report? (3 marks)

D) How do you analyze and accept the task of any technical report? (6 marks)



E) Specify the mistakes in the following “table of contents” and mention their reasons. (5 marks)

1. Introduction 1	
Background	1
1.2 Operating Principal of PEM Fuel Cells	2
1.3. Fuel Cell Components	3
1.3.1 Polymer Electrolyte Membrane	3
1.3.2 Catalyst Layer	4
1.4.3 Gas Diffusion Layer	4
1.3.4 Bipolar Plate	5
1.4 PEM Fuel Cell Performance	5
1.4.1 Cell I-V curve	6
1.6. Objectives and Scope of the Thesis	7



Question #2: (25 marks)

A) How to create a technical report structure? (7 marks)

B) What are the Requirements, which should be fulfilled in any Technical Report's title? (5 marks)



C) What is the difference between the structure and the table of contents for any technical report? (4 marks)

D) "We are looking for the title of a doctorate thesis. In the doctorate project a computer program has been developed, that allows the selection of the materials of designed parts depending on the stress on the part, abrasion requirements ...etc. The designer enters the requirements which the material must fulfill and the system provides the materials, which are stored in its database and match the given requirements. It has been quite early in the project that the developer of the system, the doctorate candidate, has defined the term "CAMS" – Computer Aided Material Selection to describe the purpose of the program". **Use this example to explain how to create a title for this task.** (9 marks)

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