

# ZIMBABWE SCHOOL EXAMINATIONS COUNCIL

General Certificate of Education Advanced Level

### COMPUTER SCIENCE

6023/2

PAPER 2 Practical

NOVEMBER 2020 SESSION

3 hours

Additional materials: CD for each candidate

#### TIME 3 hours

#### INFORMATION FOR CANDIDATES

This is a purely practical examination. All answers should be printed. Handwritten answers Will not be marked.

This paper consists of three sections.

Section A 20 marks

Section B 50 marks

Section C 30 marks

Answer one question from each section.

Each answer sheet should include the following information in the header section:

- Candidate Name and Candidate Number
- Centre Name and Date
- Subject Code

When answering programming questions, indicate the language used.

All work should be backed up by a soft copy on a CD.

If a candidate prints on more than one sheet, fasten together with string.

All answers should be correctly and clearly numbered.

This specimen paper consists of 8 printed pages

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DC MOTOR ... Nov 17, 2015 — ... Universiti Teknologi Malaysia, 81310, UTM Johor Bahru, Johor Malaysia ... Speed Control of D.C. Motor Using PI, IP, and Fuzzy Controller. Speed control of dc motor using pid controller - Universiti ... Nov 28, 2012 — Speed control of dc motor using pid controller - Universiti Malaysia ... ... UNIVERSITI TEKNOLOGI MALAYSIA - Universiti Malaysia Pahang. CHAPTER 1 ... Brushless DC Motor Speed Control Using Single Input ... Abstract: Many Industries are using Brushless Direct Current (BLDC) Motor in various applications for their high torque performance, higher efficiency and low ... Design a Speed Control for DC Motor Using an Optimal ... by AI Tajudin · 2022 · Cited by 1 — Abstract—The project purpose to implement Artificial Bee. Colony (ABC) algorithm optimization technique for controlling the speed of the DC motor. (PDF) A response time reduction for DC motor controller ... This paper proposes an alternative solution to maximize optimization for a controller-based DC motor. The novel methodology relies on merge proper tuning with ... Modelling and Simulation for Industrial DC Motor Using ... by AAA Emhemed  $\cdot$  2012  $\cdot$  Cited by 61 — The main objective of this paper illustrates how the speed of the DC motor can be controlled using different controllers. The simulation results demonstrate ... Stability and performance evaluation of the speed control ... by SA Salman  $\cdot$  2021  $\cdot$  Cited by 3 — This paper presents the design of a state-feedback control to evaluate the performance of the speed control of DC motor for different applications. The. Precision Speed Control of A DC Motor Using Fuzzy Logic ... Precision Speed Control of A DC Motor Using Fuzzy Logic Controller Optimized by ... Universiti Teknologi Malaysia, ACKNOWLEGMENT Johor, Malaysia, in 2011. He ... DC Motor Control | Automation & Control Engineering Forum Jun 20, 2022 — I have a 1 HP DC motor that I'm currently manually controlling using a Dayton 1F792 DC Speed Control unit. I want to automate the following ...