

Friday 15 October 2021 – Morning

**A Level in Design and Technology:
Design Engineering**

H404/02 Problem Solving in Design Engineering

Time allowed: 1 hour 45 minutes

You must have:

- the Resource Booklet

You can use:

- a ruler (cm/mm)
- a scientific calculator
- geometrical instruments



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

--	--	--	--

First name(s)

Last name

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- Answer **all** the questions.
- Where appropriate, your answer should be supported with working. Marks might be given for using a correct method, even if your answer is wrong.
- Each question tells you which part of the Resource Booklet to refer to.

INFORMATION

- The total mark for this paper is **70**.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

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TD Snyder



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Table of Contents Ocr F32may 2013 Paper

1. Understanding the eBook Ocr F32may 2013 Paper
 - The Rise of Digital Reading Ocr F32may 2013 Paper
 - Advantages of eBooks Over Traditional Books
2. Identifying Ocr F32may 2013 Paper
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ocr F32may 2013 Paper
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ocr F32may 2013 Paper
 - Personalized Recommendations
 - Ocr F32may 2013 Paper User Reviews and Ratings
 - Ocr F32may 2013 Paper and Bestseller Lists
5. Accessing Ocr F32may 2013 Paper Free and Paid eBooks
 - Ocr F32may 2013 Paper Public Domain eBooks
 - Ocr F32may 2013 Paper eBook Subscription Services
 - Ocr F32may 2013 Paper Budget-Friendly Options
6. Navigating Ocr F32may 2013 Paper eBook Formats

- ePub, PDF, MOBI, and More
- Ocr F32may 2013 Paper Compatibility with Devices
- Ocr F32may 2013 Paper Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ocr F32may 2013 Paper
 - Highlighting and Note-Taking Ocr F32may 2013 Paper
 - Interactive Elements Ocr F32may 2013 Paper
- 8. Staying Engaged with Ocr F32may 2013 Paper
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ocr F32may 2013 Paper
- 9. Balancing eBooks and Physical Books Ocr F32may 2013 Paper
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ocr F32may 2013 Paper
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ocr F32may 2013 Paper
 - Setting Reading Goals Ocr F32may 2013 Paper
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ocr F32may 2013 Paper
 - Fact-Checking eBook Content of Ocr F32may 2013 Paper
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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