

ENGINEERING GRAPHICS AND DESIGN
GRADE 10
MARCH 2024

PRACTICAL ASSESSMENT TASK
PAPER 3.2
TIME: ONE WEEK

TOTAL: 10 marks (+ applications)

This question paper consists of **one** page excluding the **2024** grade 10 FS DoE PAT guidelines (p 1 – 10).

INSTRUCTIONS AND INFORMATION

1. The Practical Assessment Task, Exam Paper 3, is compulsory for the final promotion mark for all candidates and contributes 25% (100 marks) towards a learner's final NSC mark.
2. The research is the only phase of the PAT that must be completed at home.
3. Plan your research carefully to show all the required information.
4. Untidy and incomplete work, as well as the late submission of different phases, will be penalised.
5. The research must be applicable to this year's PAT.
6. Research must be primarily in the form of pictures and/or illustrations rather than words, sentences, and paragraphs.
7. Evidence of at least DRIE different examples that covers all the requirements of each research topic must be included in the PAT file/portfolio, unless otherwise stated.
8. This page can be removed from the exam room to support you on the correct topics to do research on at home.
9. Evidence of all the required research material must be included in the PAT portfolio by the start of the second term.
10. Monitor your progress by completing the dates, when the research has been completed in the "date completed column" of your management plan.
11. NO drawing, research or complete PAT's mark will be accepted if your name and surname are not written in ink on the drawing.

Phase 1
Question 6:
RESEARCH

Use either the mechanical assessment criteria and checklists shown below to ensure that your research comply to all the specifications before you submit your research.

MECHANICAL PAT RESEARCH – ASSESSMENT CRITERIA		
Research should be restricted to a maximum of FOUR A4 or TWO A3 pages per research topic.		
2.1	Design examples and possible variations	2
2.2	Materials suitable for manufacturing	2
2.3	Enduring and protection against natural elements	2
Clear evidence that the research has been used in your proposed design solutions		2
A list of ALL references (Bibliography)		2
TOTAL		10

SUB TOTAL 10

NOTE

- Marks will be deducted if the research is not completed and available during the start of term 2. The candidate will therefore not be able to answer future assignments of this PAT exam.