

**ENGINEERING GRAPHICS AND DESIGN**

**GRADE 11**

**MARCH 2024**

**TOTAL: 10 marks (+ applications)**

**PRACTICAL ASSESSMENT TASK**

**PAPER 3.2**

**TIME: ONE WEEK**

This question paper consists of **two** pages excluding the **2024** grade 11 FS DoE PAT guidelines (p 1 – 12).

**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 year mark.
2. The research is the only phase of the PAT that must be completed at home.
3. Research must only be done on the civil PAT.
4. Plan your research carefully to show all the required information.
5. Untidy and incomplete work, as well as the late submission of different phases, will be penalised.
6. The research must be applicable to this year's PAT.
7. Research must be primarily in the form of pictures and/or illustrations rather than words, sentences, and paragraphs.
8. Evidence of at least FIVE different examples that covers all the requirements of each research topic must be included in the PAT file/portfolio, unless otherwise stated.
9. This page can be removed from the exam room to support you on the correct topics to do research on at home.
10. Evidence of all the required research material must be included in the PAT portfolio by the start of the second term.
11. Monitor your progress by completing the dates, when the research has been completed in the "date completed column" of your management plan.
12. 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 the civil assessment criteria and checklists shown below to ensure that your research comply to all the specifications before you submit your research.

<b>CIVIL PAT RESARCH – ASSESSMENT CRITERIA</b>		
<b>Research should be restricted to a maximum of FOUR A4 or TWO A3 pages per research topic.</b>		
2.1	The correct SANS 10143 bathroom features	2
2.2	The correct SANS 10143 symbol for electrical features for civil drawings	2
2.3	The correct calculations on floor areas and scales of drawings	2
Clear evidence that the research has been used in your proposed design solutions		2
A list of ALL references (Bibliography)		2
		<b>TOTAL</b>
		10

**SUB TOTAL 10**

**NOTE**

Possible sites to visit for research:

- SANS 10143 civil symbols: (Consult your textbook)
- <http://e-learn.gc.co.za/moodle/course/index.php?categoryid=38>
- 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.