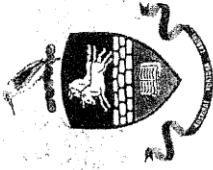
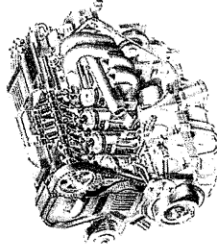
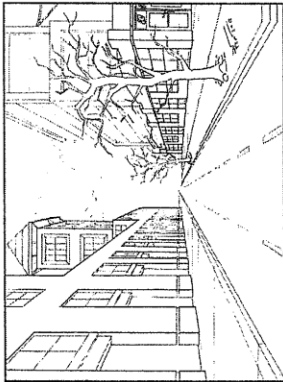


# HILLCREST HIGH SCHOOL

## ENGINEERING GRAPHICS AND DESIGN EXAM

**NOVEMBER EXAM**



GRADE 10  
2018  
PAPER 1

**TIME: 2 hours**

**Examiner: Mrs Tonkin**

**MARKS: 130**

**Moderator: Mr Victor**

**NB: READ THE INTRUCTIONS**

1. This paper consists of 5 pages including the cover page and 4 questions.
2. Answer **ALL** questions.
3. Take note of the mark allocation in each question.
4. The questions must be answered on the answer sheets provided.
5. All the answer sheets must be **re-stapled in NUMERICAL** sequence and handed in irrespective of whether the question was attempted or not.
6. Time management is essential in order to complete all the questions.
7. Print your Name in the block provided on **EVERY** answer sheet.
8. All answers must be drawn accurately and neatly.
9. Any details or dimensions not given must be assumed in good proportion.

QUESTION	SECTION	MARK	MODERATE	MAXIMUM
1	CIVIL ANALYTICAL			23
2	SOLID GEOMETRY			19
3	PERSPECTIVE			29
4	CIVIL DRAWING			59
<b>TOTAL</b>				<b>130</b>
<b>SYMBOL</b>				<b>100</b>

NAME:  
TEACHER:



**QUESTION 2: SOLID GEOMETRY**

Given:

- The front view and top view of a right regular pentagonal prism with base edge 30mm.

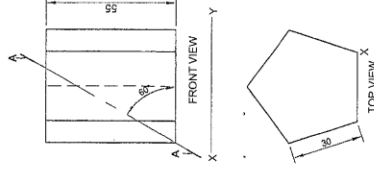
Instructions:

Draw, to scale 1 : 1 the following views of the solid:

- The given front view,
- a sectional top view,
- a sectional left view and
- the true shape.

Show ALL hidden detail

NOTE:  
Start at corner marked X. [14]



ASSESSMENT CRITERIA	
1	FRONT VIEW 4
2	TOP VIEW 4
3	LEFT VIEW 6
4	TRUE SHAPE 5
TOTAL 19	

NAME: \_\_\_\_\_ GR.10