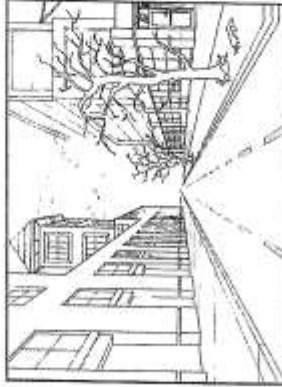


HILLCREST HIGH SCHOOL
ENGINEERING GRAPHICS AND DESIGN EXAM
MIDYEAR EXAM



TIME: 3 hours

GRADE 12
 2018
 PAPER 2



MARKS: 165



NB: READ THE INTRUCTIONS

1. This paper consists of 5 pages including the cover page and 3 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	MECHANICAL ANALYTICAL			25
2	ISOMETRIC			40
3	MECHANICAL ASSEMBLY			100
TOTAL				165
SYMBOL				100

NAME: _____
 TEACHER: _____

ASSESSMENT CRITERIA

SECTIONAL FRONT VIEW	
The Scale/Unit/Label	5
CENTRE LINES	2
SECTIONING	28
NO SECTIONING	19
M3 NUT	9
M16 SOCKET BOLT	8
MATCHING	22
THREAD	12
INT. THREAD SWITCH	4
ASSEMBLY	4
POSITION NEWS	3
TOP VIEW	
CENTRE LINES	2
COUPLING BASE	8
COUPLING COVER	8
M10 NUT	2
WASHER	2
HIDDEN DETAIL	18
DIMENSIONS	3
M16 SOCKET BOLT	8
BUSH	2
THREAD	6
LEFT VIEW	
CENTRELINE	1
COMPONENTS	14
WASHER	2
M10 NUT	6
THREAD	2
TOTAL	200
TOTAL	100



PROJECTION SYMBOL

NAME: _____