

NATIONAL SENIOR CERTIFICATE EXAMINATION

2021

ENGINEERING GRAPHICS AND DESIGN

PAPER 2

200 MARKS:

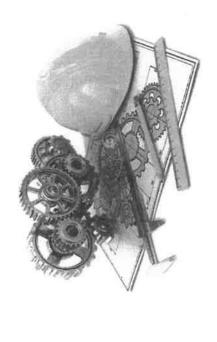
3 HOURS TIME

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY

- This question paper consists of 7 pages, including the cover page and 5 questions. All questions must be answered.
- Unless specified otherwise, all questions are in third-angle orthographic projection.
 - Unless specified otherwise, all questions are to be completed to a scale of 1:1.

CHECKED BY

- All answer sheets must be re-stapled in numerical order and handed in, including unanswered questions,
- All construction work must be shown, even if a stencil was used.
 - Print your examination number neatly on each page.
 - Use only the answer sheets provided.
- Your drawings should be well presented and reflect neatness and accuracy. Marks will be deducted for untidy and inaccurate work. 6 6 8 6
 - All dimensions or detail not given must be assumed in good proportion.
 - Stencils and calculators may be used.
 - All drawings must adhere to the SANS 10111-1. 57.45
- In order to save time, detailed assembly parts must be drawn to convention.

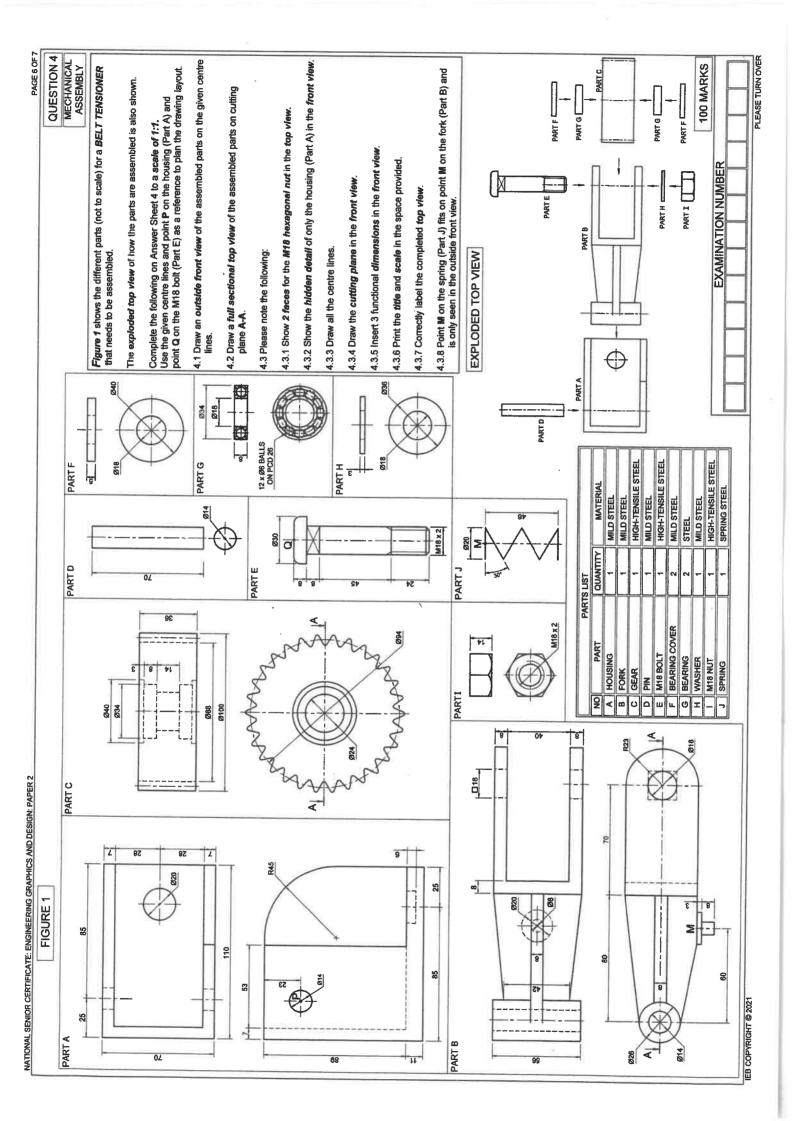


	FOR OF	FICIAL	FOR OFFICIAL USE ONLY		
QUESTION	SECTION	MARK	MODERATED	MAXIMUM	CODE
_	MECHANICAL ANALYTICAL			20	
2.1	LOCI			15	
2.2	LOCI			25	
က	ISOMETRIC DRAWING			40	
4	MECHANICAL ASSEMBLY			100	
	TOTAL			200	

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QUESTION 4
MECHANICAL
ASSEMBLY

SECTIONED TOP VIEW ASSESSMENT CRITERIA ω 4 45 4 ∞ 4 1472 F BEARING COVER 872 A HOUSING E M18 BOLT G BEARING H WASHER M18 NUT C GEAR B FORK TOTAL D Pin

CUTTING PLANE 6/2 3 TITLE/SCALE/LABEL 4	8	CENTRE LINES 6/2 3	NON-HATCHING 6/2 3	16/2 8	CORRECT ASS. 3
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9

TOTAL

EXAMINATION NUMBER

ANSWER SHEET 4

SCALE

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