



QUESTION 1: ANALYTICAL (MECHANICAL)

Given:

A front view and top view of a compression distributor, a title block and a table of questions. The drawing has not been prepared to the indicated scale.

Instructions:

Complete the table below by neatly answering the question in pencil, which all refer to the accompanying drawings and the title block. [24]

QUESTIONS		ANSWERS	
1	How many parts make up the compression distributor?	1	
2	What material is used to manufacture the gasket?	1	
3	What scale is indicated for the drawing?	1	
4	Name the phenomena encircled by F?	1	
5	On what date was the revision done?	1	
6	What was the reason for the revision?	1	
7	What is the drawing number?	1	
8	What would VIEW 2 be called?	1	
9	Name the sectioned view at 1	1	
10	How many custom made nuts are needed on the compression distributor assembly?	1	
11	What is the diameter dimension of the collar at G?	1	
12	What is the total width of the flange in the front view?	2	
13	On what date is the drawing approved?	1	
14	What is the total height of the base in the front view?	2	
15	What is the title of the assembly?	1	
16	Insert the cutting plane on VIEW 2 and label it A-A.	3	
17	In the space provided below, draw in neat freehand, the T.A.O.P. symbol.	4	
TOTAL		24	

ANTWOORD 17

COMPRESSION DISTRIBUTOR

TITLE **S-M-A-R-T**
ENGINEERING WORKS

24 MACI STREET
INDUSTRISQUA
QUA-QUA
8001

DRAWN BY: E Modise	30/11/2018	FOR ADMINISTRATION PURPOSES	SCALE 1 : 2	REVISIONS	DATE
CHECKED BY: E Mpapa	10/12/2018	DRAWING NUMBER: JSGD40118	FINISHING: CHEMICAL	1. ADD GASKET	05/12/2018
APPROVED BY: R MOTOKO	17/02/2019	DRAWING SOFTWARE: DeltaCAD 2018	NUMBER OF UNITS: 100 UNITS	2.	
ALL DIMENSIONS ARE IN MILLIMETERS		FILE NAME: ESSH/2/2018	MACHINING: MILLING		

LIST OF PARTS			
PART	MATERIAL	QUANTITY	
A	BASE	YELLOW COPPER	1
B	FLANGE	YELLOW COPPER	1
C	M10 SPECIAL BOLT	SOFT STEEL	4
D	M10 NUT	SOFT STEEL	4
E	GASKET	CORK	1

Department of Education
FREE STATE PROVINCE

UNLESS OTHERWISE SPECIFIED, ALL TOLERANCE ON DIMENSIONS ARE $\pm 0,15$. ALL UNSPECIFIED RAIDI ARE R3.

MECHANICAL ANALYTICAL

ESTIMATED TIME FOR COMPLETION	15 MIN
YOUR TIME OF COMPLETION	MIN

GRADE **11**
NAME & SURNAME

TASK **1.3**
PAGE **3**