

**QUESTION 1: ANALYTICAL (MECHANICAL)**


**Given:**

The working drawings of a pipe rest with a title block and a table of questions.

**Instructions:**

With a pencil, complete the table by neatly printing the correct answers in the corresponding answer column. All the questions refer to the accompanying drawings and the title block on diagram sheet A. **[30]**

QUESTION		ANSWER		
1	What is the title of the drawing?	1		
2	Who prepared the drawing?	1		
3	On what date was the drawing approved?	1		
4	What is the drawing number?	1		
5	Which finishing processes are required on the casting?	1		
6	How many parts make up the pipe rest?	1		
7	What material is used to manufacture the pipe rest?	1		
8	What is view 5 called?	1		
9	Determine the angle at F.	2		
10	Change view 1 in a sectioned view on AA by indicating the continuous lines and hatch lines on view 1.	3		
11	Name view 1 after hatching has been applied.	1		
12	Change view 2 in a sectioned view on BB by indicating the hatching lines on view 2.	2		
13	Determine the dimensions at A, B & C	A:	B:	C:
14	Supply view 1 of arrows and a cutting plane to justify the sectioned view on CC at view 3.	4		
15	What is view 4 called?	1		
16	Name the last revision applied on the casting?	1		
17	How many casting must be manufactured?	1		
18	In which town will you find the engineering company?	1		
19	In the space indicated answer 19, draw, in neat freehand, the symbol for the projection system used.	3		
TOTAL		30		

GENERAL INFORMATION		MATERIAL SPECIFICATIONS		REVISION AND CHANGES		ANSWER 19	
FILE NAME: EGD10-2020		RUBBER COATING ON U GROOVE					
DRAWING NUMBER: 14		MATERIAL: PEWTER	ALL DIMENSIONS ARE IN MILLIMETERS				
JAVA CONTRACTORS FRESCOSTREET 17 WESTLIFE		METAL FINISHING: GALVANIZE	DRAWN BY: E JOHN	2020/05/15	REMARKS		DATE
<b>RAPID PRO INGENIEURSWERKE</b>  Department of Education FREE STATE PROVINCE		DRAWING SOFTWARE: AUTOCAD 2019	CHECKED BY: M MALAN	2020/09/25	1. STEP THE U REST LENGTHS	2020/10/01	
			APPROVED BY: W KHANTSA	2021/01/06	2. REVISED TOLERANCES	2020/10/09	
			P Orele street 55 Sasolburg 1039 www.weich.co.za. Tel No : 089 111 2598	QUANTITY: 300 devices	3. APPLY HARDENING	2020/11/22	
TITLE: <b>PIPE REST</b>							
<b>MECHANICAL ANALYTICAL</b>		ESTIMATED TIME FOR COMPLETION	15 MIN	GRADE	NAME & SURNAME		
		YOUR TIME OF COMPLETION	MIN	<b>10</b>			
					TASK	PAGE	
					4.3	18	