

UNIVERSIDAD DE SAN CARLOS DE GUATEMALA FACULTAD DE INGENIERÍA ESCUELA DE CIENCIAS DEPARTAMENTO DE FÍSICA ING. OSCAR TECUN

Física 2 P Junio 2022 Nota:

AUX. ANDREA GARCIA

TAREA
HOJA DE TRABAJO
EXAMEN CORTO

| No. | |
|-----|--|
| 7 | |

| CARNÉ: | 201709088 | FECHA: | 23/06/2022 |
|---------|------------------------|--------|------------|
| NOMBRE: | Leonel Antonio Gonzále | | |

| | | HT7. | | I saldon |
|-----------------------------------|---------------------|---------------|-----------------|--------------------|
| Problema 1: | | (a) | J= E/A. | |
| 000: 4 = 20cm. | Plata Lz = 30 cm | 3 /32 2 3 | J = 50 +10 -4 | = 2000 A/m2 |
| A1 = 1 an2 | Az=1.5cm2 | -82 | 2.5*10 | |
| E = 50 WV | m PAg = 1.5 ×10 | Jun. | (a) J= | ZKA Imz |
| b) T = JA | | | | Roolena 4 |
| | #10-4 = 0.7A | | I = | 0.24 |
| c) Tag Jag J | 9 1 10 | 19 4 | M I WA | |
| 6 Say: Tay | | | | 2 4 - 5 11 |
| 1 | 1,500 | | Ong | g = 2 *10 = V/m |
| d) Va= I | 6.0224023 040 | x Imal | × 10.5 g + (100 | 2003 × 10 = |
| | | 107.878 g | 1cm3 | lm3 latono. |
| | = 5.8594 210 | 528 E/m3 | 18 108 | Aug. Const. |
| V- C5. 8594 ×10 | 28) (1.5 4) (1.6 * | - 150 | 12 × 10 m/s | 1=1.42×10-2 m/s |
| | | | | |
| e ov = thus ha | T HAS LAS - C | 60 *10)(0.1) | | = 16 *10-6 Vol6 |
| Problema Z: | | | | V: 16 ×10-6 vol65. |
| V= 170 v. 89 R= 100 ×10-8 1.m. | I = 2400 | = 20A. | I= 20 A. | |
| x= 0.004°07 P= 2400 watt. | 120 | | R = | 62, |
| b) R= V = 120 | =6.4 | 0) R = Ro (| 1+2 (7-10) | 1)=6/970 |
| I 70 | | | | |
| | | | V | = 6.1921 |
| , | - | | | Arimany |

