## Midterm paper



Spring 2021

## Circuit system-l

Submitted by: Ashfaq Ahmad

Registration No: 19PWCSE1795

Class Section: **B** 

**Total Pages: 9** 

"On my honor, as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work."

Student Signature: \_\_\_\_\_

Submitted to:

Dr. Salman Ahmed sab

May 24, 2021

Department of Computer Systems Engineering
University of Engineering and Technology, Peshawar

Ceg No: 19PWCSE1795 Page No: (1)
C. MIWIES
Date: /-/
Answer No: 1
Circuit Question
Given:
Coment = I = 25A
SA (2) \$200 \$200 \$500
Required
Verify = 2.5A
Sep
As in above Circuit
Son & Son are in Server So Rear = Son + 5 on
Reg = 1002
Su Circuit be come
19 PTPO
(SERBAR ANTE PRODUCTS

Name: ASHFACS AHMAD page No 12 Reg No: 19PWCSE 1795 Date:\_\_/\_/\_ Day: MTWTFS \$ 500 \$ 200r \$ 1000 SAG Ji Mow again 2000 & 1002 Reg = 0.15 Reg = 6.66 SZ Mow circuit be come 202 \$ 6.6652 SA A BRERR

Name ASHFAR AHMAD Page No: 3 Reg NIO: 19PWCSE1795 Day: MIWIFS Date:\_\_/\_\_/\_\_ Mow circuit become Symple. AS 202 & 6662 are in parallel go we can apply Coment division rule As current division who accross 2002 18, i = 5A ( -6-66 ) 2 = 5A(0.25 1025 Hence we verified that There is typo error so is not the value 2.5 A. The correct value is 1.25A. \_\_ xx \_\_ xx \_\_ XX

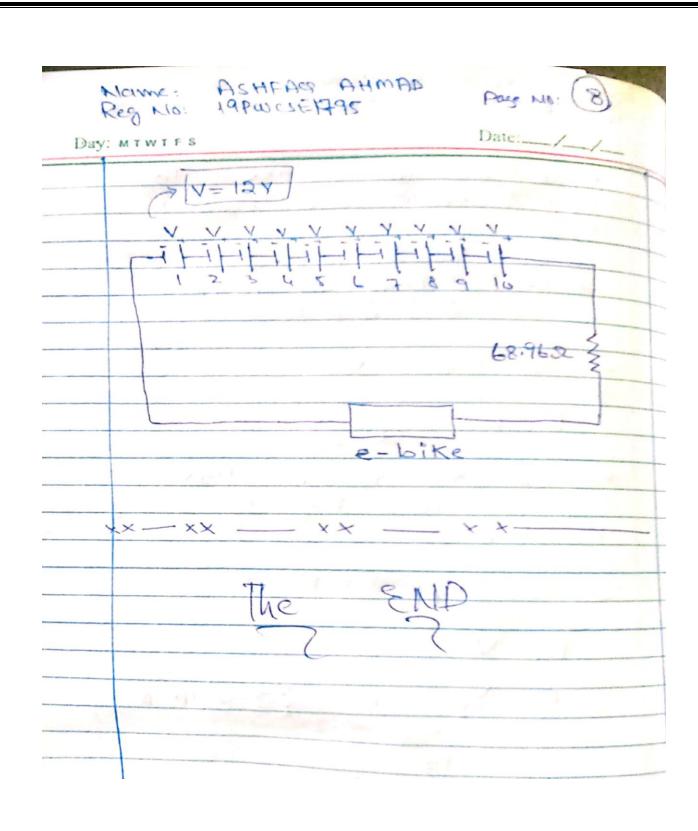
Reg NO: 19PWCSE1795	Page Nos 4
Day: MIWIFS	Date://
Answer NO	: 2
	9
Circuit 80	estion.
Given:	- and
Chiren:	
Coment = I1 = 1 F	
Resistance = R1 =	. KA.D
Voltage = VI =	
7	
Sap	
Here we can P=12R b/c circ	not apply
P=IR b/c circ	unt is look
So Power on R	circult
so Power on K	egister 5002 ls.
•	
20.05	
· · · · · · · · · · · · · · · · · · ·	
402 10	St.
1 m m	
150x(+) \$6052	12/32602
1201 (+) \$602	
P P	TPO
	(Spanna
	PAPER PRODUCTS
Control of the Contro	

Page NO: (5) Reg No. 19POUCLE 1795 Date:\_\_/\_\_/\_\_ Day: MIWIFS P = V2 -> This for prallel As V= 150V & R= 5052 SU (150)2 150 x 180 P = 150 x 3 P= 450 watts Ans ×× -- ××  $\times$   $\wedge$ 

DOME: ASHFAG HAMHU

NAME: ASHFACS AHMAD Page Mo: (6) Reg No: 19PWCSE1795 Date:\_\_/\_/\_ Day: MTWTFS Answer No: 3 a Design Problem \$ The power and rollage required for be-bike are. Power = P= 16W Noltage = V= 110V Given: battries = 12x resisters = any values. first of all we find coment As IV=P = 0.145A BRERR

	Reg No: 19PWCSETT95 Page NO: 7
D	MIWIES
	Date:/
	Now we will take 10
	12 V battyles and
	or series
	134 134 134
	1 2 3 4 5 6 7 8 9 16
	123456789
	As in Sevier Voltages added
	Total Voltage = 120V
	As e-bike require 1101
	So me regime 1101
	So we will drop 10 4' using Resister,
	ROSISTEV,
	0 1
	So the value of Ris,
	IR=V
	$R = \frac{1}{I}$ As $\frac{1}{I} = 0.145$ A
	1=01438
	0 10/
	R = 10/0.145
+	
	R= 68.96
	PPJPO
	V
	(ARREC)
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The End