Activity-4-Power Electronics

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* Indicates required question

Email *

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In a a step up chopper, if Vs = 24 V and the chopper is operated at a duty cycle of 70 %. Find the output voltage *

- (●) 75volt
- ( ) 48 volt
- ( ) 80 volt
- ( ) 90 volt

Which device can be used in a chopper circuit? *

- ( ) BJT
- ( ) MOSFET
- ( ) SCR
- (●) All of the mentioned

The average value of the output voltage in a step - down dc chopper is given by *

- ○ V 0 = V s
- ◉ V 0 = D V s
- ○ V 0 = V s / D
- ○ V 0 = V s / (1 - D)

In a a step up chopper, if Vs = 30 V and the output voltage required is 60 volt . Find the duty cycle of chopper to be operated at ---- % *

- ○ 20
- ○ 30
- ◉ 50
- ○ 40

In a a step down chopper, if Vs = 24 V and the output voltage required is 7.2 volt . Find the duty cycle of chopper to be operated at ---- % *

- ○ 70
- ○ 50
- ○ 45
- ◉ 30

Div of the student *

- [ ] A
- [ ] B
- [x] C

Name of the Student *

Deepchand Prajapati

AC voltage controllers convert *

- [ ] fixed DC voltage source to a variable AC
- [x] fixed AC voltage source to a variable AC
- [ ] fixed AC voltage source to a fixed AC
- [ ] fixed DC voltage source to a variable DC
- [ ] Other:

In a a step down chopper, if Vs = 30 V and the chopper is operated at a duty cycle of 70 %. Find the output voltage *

- [ ] 20 volt
- [x] 21 volt
- [ ] 22 volt
- [ ] 23 volt

Roll no of the student *

322

If chopper frequency is 1kHz and Ton time 0.66ms , find duty cycle in% *

- (●) 30

If chopper frequency is 1kHz and Ton time 0.66ms , find duty cycle in% *

- ( ) 67
- (●) 66
- ( ) 68
- ( ) 65

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The load voltage of a chopper can be controlled by varying the *

- (●) duty cycle
- ( ) firing angle
- ( ) reactor position
- ( ) extinction angle

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