



MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)
Kokapet (Village), Gandipet (Mandal), Hyderabad 500 075.

B.Tech. - SEMESTER: III
DESCRIPTIVE EXAMINATION – I / II

MR-21

Course :
Date & Session :
Branch & Section:

Time : **70 Min**
Maximum Marks : **15**
Roll No:

Note: Answer any THREE full questions. All questions carry equal marks. (3X5M=15 Marks)

Q.No.	Stem of the Question	M	L	CO	PO
1.a)	Unit-I / III				
b)	Unit-I / III				
2.a)	Unit-I / IV				
b)	Unit-I / IV				
3.a)	Unit-II / IV				
b)	Unit-II / IV				
4.a)	Unit-II / V				
b)	Unit-II / V				
5.a)	Unit-III / V				
b)	Unit-III / V				

M: Marks; L: Bloom's Taxonomy Level; CO: Course Outcome; PO: Programme Outcome

S.No.	Criteria for Question Framing	Percentage (%)
1.	Fundamental Knowledge: Level 1 & 2	60
2.	Knowledge on Application and Analysis : Level 3 & 4	40 / 30
3.	* Critical Thinking and Ability to Design: Level 5 & 6 (* wherever applicable, subject to a maximum of 10%)	0 / 10



B.Tech. - SEMESTER: III
OBJECTIVE EXAMINATION – I / II

Course :
Date & Session :
Branch & Section:

Time : 20 Min
Maximum Marks : 10
Roll No:

Note: Answer All Questions. All Questions Carry Equal Marks.

1. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
2. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
3. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
4. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
5. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
6. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
7. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
8. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
9. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
10. In a second quadrant chopper, the relation between supply voltage and average output voltage is []
A) $E_{DC} > E_O$ B) $E_{DC} < E_O$ C) $E_{DC} = E_O$ D) $E_{DC} = 2E_O$
11. The induced E.M.F in DC Motor is greater than input voltage [True / False]
12. The mode of operation in quadrant –III of a four quadrant diagram is _____
13. The mode of operation in quadrant –III of a four quadrant diagram is _____
14. The mode of operation in quadrant –III of a four quadrant diagram is _____
15. The mode of operation in quadrant –III of a four quadrant diagram is _____
16. The mode of operation in quadrant –III of a four quadrant diagram is _____
17. The mode of operation in quadrant –III of a four quadrant diagram is _____
18. The mode of operation in quadrant –III of a four quadrant diagram is _____
19. The mode of operation in quadrant –III of a four quadrant diagram is _____
20. The mode of operation in quadrant –III of a four quadrant diagram is _____