

Give the following scanned question paper for filing

Section: F

Mid Term Examination

Sub Coord: Dr. R.K. Kumawat

Scanned Copy:

Name of the student:		Roll No:	
MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY DEPARTMENT OF ELECTRICAL ENGINEERING MID TERM EXAMINATION NOV. 2024			
Course: B. Tech.	Semester: I	Section: F	
Subject: BEEE		Subject Code: EE 24108	
Time: 60 Minutes		Max. Marks: 20	
Attempt all the Questions			

Q. No.	Question	Marks
1.	Obtain the Thevenin equivalent circuit at terminals $a-b$ of the circuit. <div style="text-align: center; margin: 10px 0;"> </div>	5
2.	Calculate the RMS and average value of the waveform. <div style="text-align: center; margin: 10px 0;"> </div>	5
3.	Explain Construction and working principle of DC machine? Why is commutator and brush arrangement necessary for operation of a D.C machine.	5
4.	Differentiate between PNP and NPN transistors. Obtain Input and Output characteristics of BJT in Common Emitter (CE) configuration.	5