QP Code:

PRN No.

Total No. of Questions: 09

"s EJEFY 25524

JSPM's

Rajarshi Shahu College of Engineering, Tathawade, Pune- 411033

(An autonomous institute affiliated to SavitribaiPhule Pune University)

Examination: End Semester Examinations (ESE)

Semester: II

Academic Year: 2923-24

Class: F. Y. B. Tech.

Department: Engineering Sciences and Humanities

Subject Code: EC1201- Subject Name and pattern: Basic Electronics Engineering (2023)

Duration:2hrs Max. Marks: 35 Mar

Instructions to the Candidates	
1. In Section A, Q.1, Q. 2 and Q.3 are compulsory.	
2. In section B, Solve Q.4 or Q.5, Q.6 or Q.7 and Q.8 or Q.9.	
3. Assume suitable and necessary data wherever required.	

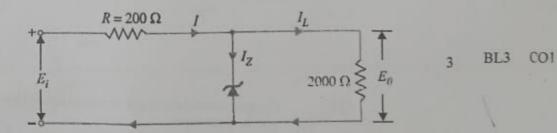
Q. No. Section-A Marks BL CO

Q.1 Solve any One

a Compare the performance of HWR and FWR with respect to following parameters:
i)Ripple Factor ii) VLDC iii) TUF

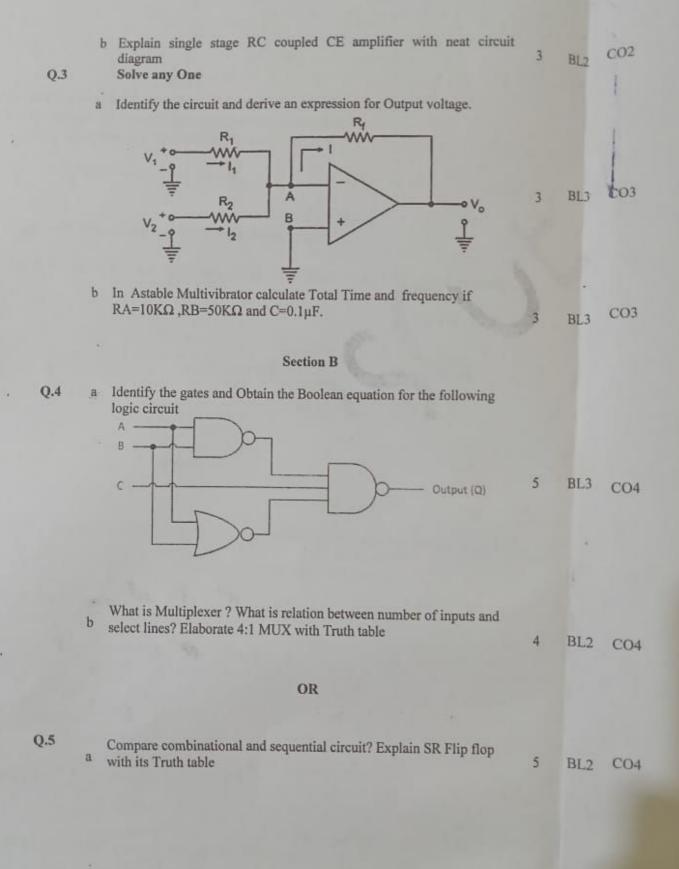
3 BL2 CO1

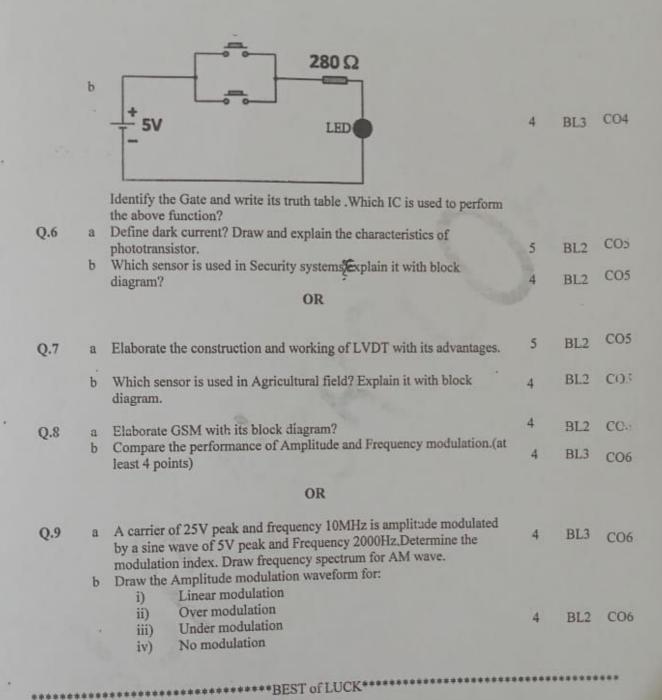
b Find the current through the Zener diode when Ei=25V,Vz=5V



Q.2 Solve any One
a State the biasing conditions required for the three regions of operation of BJT

3 BL2 CO2





CO4

CO4

03

CO4