

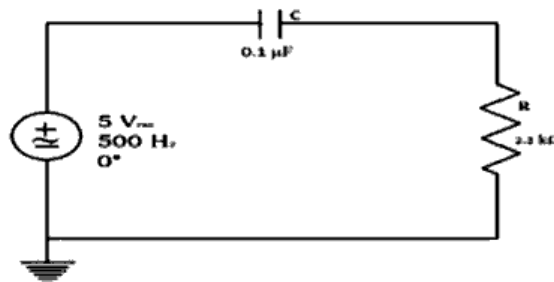
Paper Code: 13507
1507
B.sc. (Computer Science) (Part 1)
Examination, 2013
Paper No. 3.1
BASIC ELECTRONICS

Time: Three Hours]

[Maximum Marks: 33

Note: Attempt all the *five* questions.

1. (a) Find the X_C , X_C , Z_T , V_C , I_T , V_R and Q_2 in given R_C and R_L circuit.



- (b) What is the difference between signal generator and function generator?

2. (a) State and explain Thevenin's theorem.

- (b) How does a PN-junction diode works?

3. Explain the BJT's biasing methods of any one of the following with diagram:

1. Single Power Supply
2. Dual Power Supply

4. Define monostable multivibrator with circuit diagram.

5. Write short notes on the following:

1. OP-AMS
2. Zener Regulator
3. Bridge Rectifier

.....End.....

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