2019

B. Sc.

1st Semester Examination

ELECTRONICS (Honours)

Paper : C 1-P

(Practical)

(Basic Ccercullar Theory and Network Analysics)

Full Marks : 20 Time : 3 Hours

The figures in the margin indicate full Marks.
Candidates are required to give their answers in their own words as far as practiable.

Answer any one question by selecting it by a lucky draw.

1. Verify Norton's theorm by using resistive Wheatstone Bridge network.

2. Verify Thecenin's theom by using resistive Wheatstone Bridge network.

3. Verify maximum power transfer theorem using resistive Wheatstone Bridge network.

[Turn Over]

4. Design a passive first order low pass filter of cut off frequency fc = ... Hz. (Cut-off frequency to be supplied during examination) Study its frequency response.

5. Design a passive high pass filter of cut-off frequency fc = ... and study its frequency response (The cut-off frequency to the supplied during examination)

6. Design an integrator circuit using OP-AMP and verify that the circuit is capable of integrating functions.

7. Design a differentiator circuit using OP-AMP and verify that the circuit is capable if differeniating functions.

Distribution of Marks

Experiment	: 15	(Th + Ckt -03, data recording 08 plotting or calculation = 04)
Laboratory Note Book.	: 02	
Viva-Voce.	: 03	
Total	: 20 Marks.	