

40958



12. a) i) Describe about voltage follower circuit. (7)
ii) Write short notes on subtractor circuit. (6)
(OR)
b) With a neat diagram explain about V-I converter. (13)
13. a) Discuss briefly about analog multiplier ICs. (13)
(OR)
b) Explain the operation of the basic PLL with a block schematic. (13)
14. a) Enumerate the specifications of D/A converter. (13)
(OR)
b) Describe in detail about the single slope type ADC with neat sketch. (13)
15. a) Explain about sawtooth wave generator with neat sketch. (13)
(OR)
b) Discuss briefly about opto-couplers. (13)

PART - C

(1×15=15 Marks)

16. a) Discuss in detail about instrumentation amplifier with suitable diagrams. (15)
(OR)
b) Explain in detail about VCO using suitable diagram. (15)