

## MODULE V

19. Draw the internal functional diagram of 723 regulator and explain its working. Show the connection diagram to regulate the output voltage at 4.5 Volt, to deliver a maximum of 80mA current. Design the regulator circuit.

*Or*

20. Draw the block circuit diagram of SMPS and explain the principle of voltage regulation. Where it is usually used.

(5 × 12 = 60 marks)