

SECTION-B

- 2) Explain how feedback circuit can be used as an oscillator.
- 3) Differentiate between enhancement and depletion of MOSFET.
- 4) Explain the working of Wein bridge oscillator.
- 5) Explain the working, advantages and application of LED and LCD.
- 6) Explain the operation of PN junction under forward bias condition with its characteristics.

SECTION-C

- 7) With the neat circuit diagram, explain the working of RC phase shift oscillator, with relevant equations.
- 8) The transistor is connected as CE amplifier. Determine Z_c , Z_o , A_i and A_v using complete hybrid model.
- 9) Write the ac equivalent circuit for voltage divider JFET configuration and determine Z_i , Z_o and A_v .