

- (g) Differentiate between LAN and WAN. (3)

PART – II

2. (a) Briefly describe the two CPU registers: MAR and PC. (4)
- (b) What is system bus? Briefly describe any two system bus. (4)
- (c) Explain the purpose of cache memory. (2)
3. (a) Find the equivalent of the number given on the left hand side in the base given on right hand side. ((4)
- (i) $(101101.01)_2 = (\dots\dots\dots)_{10}$
- (ii) $(34.5)_8 = (\dots\dots\dots)_2$
- (iii) $(235)_{10} = (\dots\dots\dots)_{16}$
- (iv) $(A4.B)_{16} = (\dots\dots\dots)_8$
- (b) Describe the structure and working of magnetic disk. (6)
4. (a) What is the difference between impact and non impact printers? (2)
- (b) Name any two optical scanner devices. (2)
- (c) Explain the functions of operating system. (6)
5. (a) Describe the Bus, Ring and Star topologies. (6)
- (b) Explain the uses of internet. (4)
6. (a) Explain the different layers of OSI model in networks. (7)
- (b) Differentiate between SRAM and DRAM. (3)