

*This question paper contains 3 printed pages.]*

**5525**

*Your Roll No. ....*

**B.A. Prog./I Sem.**

**B**

**(A)**

**COMPUTER APPLICATIONS – Paper-A**

**(Computer Fundamentals)**

**(Admissions of 2011 and onwards)**

*Time : 3 Hours*

*Maximum Marks : 45*

*(Write your Roll No. on the top immediately  
on receipt of this question paper.)*

*Attempt All questions.*

1. (a) Briefly describe any two CPU registers. (2)
- (b) Briefly describe function of BIOS. (2)
- (c) What is system bus ? Briefly describe any two system bus. (3)
2. (a) Differentiate between SRAM and DRAM. (2)
- (b) List the key features of optical disk. (3)
- (c) Give full form of EEPROM. (1)

[P.T.O.]

3. (a) What are source data entry devices ? Briefly describe any one such device. (3)
- (b) Give application of MICR. (1)
- (c) What is difference between impact and non-impact printer ? (2)
- (d) What is the use of parallel port ? (1)
4. Convert the following (any four) : (4)
- (i)  $(22.625)_{10}$  -  $( \quad )_2$
- (ii)  $(FF)_{16}$  -  $( \quad )_{10}$
- (iii)  $(01001001)_2$  -  $( \quad )_{16}$
- (iv)  $(CCD)_{16}$  -  $( \quad )_2$
- (v)  $(110110.010)_2$  -  $( \quad )_8$
5. (a) Briefly describe functions of operating system.(3)
- (b) Give an example of plug and play device. (1)
6. (a) What is the use of LAN and WAN ? (2)
- (b) Give primary function of the following : (4)
- (i) Router
- (ii) Gateway

(c) Briefly describe any one of the following topologies :

(i) Bus Topology

(ii) Ring Topology (3)

7. (a) Briefly describe the following : (4)

(i) Web Browser

(ii) URL

(b) Give full form of SMTP, POP3, and IMAP. What is FTP used for ? (4)

