

END TERM EXAMINATION

FIRST SEMESTER [B.TECH.]– DECEMBER 2008

Paper Code: ETCS109

Subject: Introduction to Computers & AutoCAD

Paper ID: 27109

(Batch: 2004-2008)

Time : 3 Hours

Maximum Marks : 75

Note: Q.No.1 is compulsory. Attempt one question from each unit.

- Q.1 (a) Convert the following numbers into the appropriate bases. (6)
- (i) $(11100.0001)_2 = (?)_{10}$
- (ii) $(7654.321)_8 = (?)_2$
- (iii) $(-123.56)_{10} = (\text{in } 2\text{'s complement notation})_2$
- (b) Is it possible to give a password to MS-Word document file? If yes, explain the method. If no, then how you make this document file secured. (4)
- (c) What do you mean by solid modeling? How can you do this in AUTOCAD? (5)
- (d) What do you mean by World Wide Web? Explain TCP/IP. (5)
- (e) Discuss the evolution of operating system. (5)

UNIT-I

- Q.2 (a) Give the reasons as to why the binary number system is utilized for modern electronic digital computers. (2.5)
- (b) With an appropriate example, explain the conversion of octal to hexadecimal and vice versa. (6)
- (c) What do you understand by CPU? Describe in details various units of the CPU. (4)

OR

- Q.3 (a) What is ROM? Differentiate between EPROM and EEPROM. (4)
- (b) What are mass storage devices? How are they useful in storing large amount of data? (4)
- (c) Perform the following in binary. (4.5)
- (i) $(00001010)_2 - (00110011)_2$
- (ii) $(7ABC)_{16} - (B3EA)_{16}$

UNIT-II

- Q.4 (a) Explain the differences between multiprogramming, multiuser and multiprocessing. (6)
- (b) With reference to MS-Word, explain character formats, paragraph formats and document formats. (6.5)

OR

- Q.5 (a) What are the various ways to create a presentation in MS-Power Point? Explain with example. (8)
- (b) An operating system is described as an event-driven program. What is meant by event driven? Explain how the dispatching operation fits this description. (4.5)

UNIT-III

- Q.6 (a) Write a short note on: - (7)
- (i) chatting (ii) instant messaging (iii) internet telephony
- (iv) video conferencing
- (b) Write a descriptive note on FTP. (5.5)

OR

- Q.7 (a) Write a short note on: - (8)
- (i) HTML (ii) SMTP (iii) HTTP (iv) DHTML
- (b) Write a descriptive note on search engines. (4.5)

UNIT-IV

- Q.8 Discuss the use of AUTOCAD for engineering drawing practices. What are the advantages of using AUTOCAD. (12.5)

OR

- Q.9 Describe the facilities available in AUTOCAD for creating 3D models. Explain in detail. (12.5)