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Reg. No. : ....

Name : ....

Third Semester B.Tech. Degree Examination, November 2009
(2003 Scheme)
03.306 : BASICS OF COMPUTER SYSTEMS (F)

Time : 3 Hours   Max. Marks : 100

PART – A

Answer **all** questions. **Each** question carries **4** marks.   **(10×4=40 Marks)**

1. What is a system brand ?

2. Why do we use an SMPS in a computer ?

3. What is a flyback-mode switching regulator ?

4. What is the function of BIOS in a computer system ?

5. Describe the various ports available in a computer system with atleast one use of each.

6. How to classify the primary storage devices in a system ?

7. What are Cache memories ? What are the typical values of cache memories available in present day PC's ?

8. What are the uses of windows explorer ?

9. What is meant by a hardware address ?

10. What is a wireless network ?

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PART – B

Each question carries **20** marks.

MODULE – I

11**.** Explain the bus mastering concept with the help of a functional block diagram.

OR

12. Draw the block diagram of the main functional components of a computer system and explain their functions.

MODULE – II

13. Explain the features of various Windows O/S Versions. How do they differ from the MSDOS ?

OR

14. What are X-Windows ? How do you configure different servers ? Explain firewalls and their configuration procedures.

MODULE – III

15. What are the types of cables available for networking ? Explain the characteristic and features of each with neat sketches.

OR

16. a) List the proof of computer problems and their possible solutions in case you have problems getting your new printer to work.

   b) How do you encourage a situation where you have multiple PCs and printers. Describe with sketches the various possible options and their solutions.

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