Register No.   Time: 3 Hours
                                                                                Maximum Marks:100

I. Fill in the blanks. Answer ALL questions.   **(10 x 1 = 10)**

1. MBR stands for _____

2. _____ is a collection of processors that do not share memory, peripheral devices etc.

3. _____ is the part of operating system which directly makes interface with hardware system.

4. PCB stands for _____

5. _____ is an example for operating system.

6. An illusion of an extremely large memory is known as_____

7. NTFS stands for _____

8. _____ is the time to position heads over a cylinder.

9. Tracks are divided into _____

10. IDE stands for _____

II. Explain briefly. Answer any TEN questions.   **(10 x 4 = 40)**

1. What do you mean by remote procedure calls?

2. Briefly explain about socket.

3. Write a short note on mutual exclusion.

4. Write a short note on RMI.

5. Briefly explain the process of booting.

6. Briefly explain the advantages of multiprocessor system.

7. Write a short note on UFD and MFD.

8. Briefly explain about the file reading operation.

9. Write a short note on benefits of threads.

10. Briefly explain about precedence graph with example.

11. What do you mean by semaphore?

12. What do you mean by swapping?

13. What are the different desktop icon in windows 7? Briefly explain.

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III. Answer any FIVE questions. Explain in detail. (5 x 10 = 50)

1. What are the design issues of distributed system? Explain in detail.
2. What do you mean by thread? Explain in detail.
3. Explain different types of operating system.
4. Explain the importance of operating system in terms of services.
5. What do you mean by information management? explain it importance.
6. Explain in detail about deadlock, its detection and recovery.
7. Explain the following

       a) Paging   b) Segmentation

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