

**B R A BIHAR UNIVERSITY, MUZAFFARPUR**  
**DIRECTORATE OF DISTANCE EDUCATION**  
**PARAMEDICAL/SHORT TERM COURSE**  
**NETWORKING AND OPERATING SYSTEM: MODEL QUESTIONS**  
**HARDWARE NETWORKING: 2<sup>ND</sup> SEMESTER: 4<sup>TH</sup> PAPER**

- Q. 1. What are the components of a Computer Network.
  - Q. 2. What do you mean by Topology? Which topology is the most widely used?
  - Q. 3. How many types of topology are common in computer network?
  - Q. 4. Write and explain about different types of cables used in the LAN.
  - Q. 5. What are the major protocols in an Ethernet LAN?
  - Q. 6. Write and explain about the OSI Model.
  - Q. 7. Discuss Time-sharing Operating System.
  - Q. 8. What are the advantages of Layered Architecture? Give example.
  - Q. 9. What do you mean by TCP/IP Reference Model?
  - Q. 10. Write and explain different functions of an operating system.
  - Q. 11. Discuss kernel based approach for an operating system.
  - Q. 12. Explain how it is possible to prevent a deadlock in a system.
  - Q. 13. What is the difference between a File and Directory?
  - Q. 14. Describe the basic types of multiprocessor operating systems.
  - Q. 15. Write short notes on any two:
    - a.) External Fragmentation
    - b.) Memory Management
    - c.) System Model.
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