Model questions OS-2

[Each question from Q.1 to Q.10 carries 2 mark , from Q.11 to Q.15 carries 6 marks and from Q.16 to Q.18 carries 10 marks]

1. What is context switch?
2. Define process.
3. Define page.
4. What is the function of the interpreter?
5. Give example of two operating system.
6. What is system software and application software?
7. Write two file access method.
8. What is scheduler?
9. Define compiler.
10. What is virtual memory?
11. What is PCB and describe different component of PCB.
12. Write down different functions of operating system.
13. What is process? Explain process state diagram.
14. What is assembler? Define its function.
15. Differentiate between preemptive and non-preemptive process scheduling.
16. Define device allocation technique. Explain the function of I/O scheduler.
17. State and explain different job scheduling.
18. What is segmentation? Describe how virtual memory is helpful for segmentation.