Introduction to IT: Viva Questions

1. What is Boolean algebra?
2. Briefly describe:
   1. Basic gate: AND, OR, NOT
   2. Universal gate: NAND, NOR
   3. XOR, XNOR
3. Why complement method is used in subtraction in digital computer.
4. Specify Boolean law:

Unit - 2

1. Any one difference between computer organization and computer architecture.
2. What is the job of control unit and ALU?
3. Mention any two characteristics of thermal printer and ink jet printer.
4. How the text are imprinted in a paper in impact printer?
5. Why cache memory is needed?
6. Is data bus, control bus and address bus bidirectional or unidirectional? Why?
7. What is network printer and standalone printer?

Unit-3:

1. What is Operating system?
2. Specify any five functions of OS.
3. Why OS is an extended machine?
4. Specify any three difference between process and program.
5. What do you mean by process is in running state?
6. What is batch operating system?
7. Briefly explain time sharing OS.
8. What is microkernel and monolithic kernel?
9. What is the role of process manager in Windows NT/2000?
10. What is the drawback of First come First serve algorithm?
11. How CPU is allotted to jobs in shortest job first?
12. What is priority scheduling and round robin scheduling?

Unit -4

1. What is assembly level language?
2. Specify any four general purpose register.
3. Which instruction is used to generate a interrupt signal?
4. Is it possible to transfer data from memory to memory?
5. Is it possible to transfer data from memory to register?
6. While taking single character as input, in which register does the input character get stored?
7. Explain LOOP instruction in 8086.
8. What value should be passed to AH register while we are generating a interrupt signal to print string in a console screen.
9. Specify any three instructions that are used for conditional jumping.
10. Which instruction is used for unconditional jumping?