

First Year B.C.A. (Semester-1)

Assignments

Unit-1 Assignment-4

Answer in Short: [2 Marks Questions]

1. Define term firmware.
2. What is the difference between 2nd and 3rd generation of computer?
3. What is Software? List types of software.
4. What is the difference between 2nd and 3rd generation of computer?
5. What is Firmware?
6. What is the difference between 2nd and 3rd generation of computer ?

Answer in Detail [5 to 8 Marks Questions]

1. Explain types of computers in detail.
2. Explain different characteristics of computer.
3. Explain different characteristics of computer.
4. Explain types of computer in detail.
5. Explain the different types of characteristics of computer in detail.

Unit-2 Assignment-2

Answer in Short: [2 Marks Questions]

1. Define POST.
2. What do you mean by 32-bit and 64-bit computer?
3. What is BIOS?
4. Define POST.
5. What is BIOS ?
6. Define POST.
7. What do you mean by 32-bit and 64-bit computer ?
8. Define POST.
9. Define term BUS and PORT.

Answer in Detail [5 to 8 Marks Questions]

1. Draw a block diagram of computer and explain all its functional units.
2. Explain Motherboard in detail.
3. Draw a block diagram of computer and explain all its functional units.
4. Explain different phases of Machine cycle.

5. Draw a block diagram of computer and explain its functional units.
6. Draw the block diagram of computer and explain its functional units.
7. What is PORT ? Explain USB port in detail.
8. Explain different characteristics of computer in detail.

Unit-3 Assignment-1

Answer in Short: [2 Marks Questions]

1. What is ASCII?
2. What is Parity bit?
3. What is EBCDIC ?
4. What is UNICODE ?
5. What is ASCII ?

Number System Conversion [2 Marks Questions]

1. $(2AB)_{16} = (?)_2$
2. Add binary numbers $(100111)_2$ and $(11011)_2$.
3. $(5050)_8 = (?)_{16}$
4. Add hexadecimal numbers $(FACE)_{16}$ and $(AB17)_{16}$
5. $(1715)_{10} = (?)_2$
6. $(10111)_2 = (?)_8$
7. $(130)_{10} = (?)_2$
8. Subtract : $(01110)_2$ from $(10101)_2$
9. $(D3)_{16} = (?)_2$
10. $(2B.C4)_{16} = (?)_8$
11. $(1670)_8 = (?)_{10}$
12. $(27)_{10} = (?)_8$
13. $(42)_{10} = (?)_2$
14. Subtract : $(01110)_2$ from $(10101)_2$
15. $(4706)_8 = (?)_{10}$
16. Find the complement of $(53)_{10}$
17. $(BCA)_{16} = (?)_2$
18. $(101110)_2 = (?)_8$
19. $(BAB)_{16} = (?)_2$
20. $(D3)_{16} = (?)_2$
21. $(101110)_2 = (?)_8$
22. $(5112)_{10} = (?)_{16}$
23. $(432267)_{10} = (?)_8$
24. $(5647)_8 + (1425)_8$
25. Find completent of $(53)_{10}$
26. Subtracts : $(01110)_2$ from $(10101)_2$.

Unit-4 Assignment-3

Answer in Short: [2 Marks Questions]

1. What is Flash Memory?
2. What is RAM?
3. What is Flash Memory?
4. Define the term Volatile and Non-Volatile.
5. Define the term Volatile and Non-Volatile.
6. What is Flash Memory ?
7. Define term volatile and non-volatile.
8. Define term volatile and Non-volatile.
9. What is direct addressing mode ?

Answer in Detail [5 to 8 Marks Questions]

1. Write a short note on ROM in detail.
2. Cache Memory Vs Virtual Memory
3. Cache Memory Vs Virtual Memory
4. Write a short note on ROM in detail.
5. Primary storage Vs. Secondary storage.
6. Cache memory Vs. Virtual memory
7. Primary Storage Vs Secondary Storage
8. Cache memory Vs. Virtual memory.
9. Primary Storage Vs Secondary Storage

Unit-5 Assignment-5

Answer in Short: [2 Marks Questions]

1. What is use of Joystick?
2. Define Storage capacity and Access time.
3. Give full name : DVD, OCR, OMR, ENIAC
4. Give the formula to count the capacity of a hard disk in bytes.
5. List different type of printers based on features its offers.
6. What is PDA ?

Answer in Detail [5 to 8 Marks Questions]

1. Explain in detail backup devices.
2. Inkjet Printer Vs Laser Printer
3. Write a short note on Plotters.
4. Write a short note on OCR and OMR.
5. Explain different types of PORTS in detail.
6. Write a short note on Hard disk.
7. Explain in detail backup devices.
8. Write a short note on Plotters.
9. Explain Motherboard in detail.
10. Inkjet Printer Vs Laser Printer

11. Write a short note on OCR and OMR.
12. Write a short note on Hard disk.
13. Explain Keyboard in detail.
14. Write a note on DVD-ROM.
15. Write a note on CD-ROM.
16. Write a detail note on OCR and OMR.
17. Explain in detail Backup devices.
18. Difference between Ink-jet printer and Drum printer.
19. Explain plotters in detail.
20. Advantage and disadvantage of optical disk.
21. Write note on features of Hard Disk in detail.
22. Explain ROM in detail.
23. Explain Plotters in detail.
24. Difference between InkJet printer and Drum printer.
25. Write a note on DVD ROM in detail.