

# **DKM COLLEGE FOR WOMEN(AUTONOMOUS),VELLORE-1.**

## **DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS**

### **QUESTION BANK**

### **INFORMATION TECHNOLOGY**

#### **UNIT I**

#### **SECTION-A**

**2 MARKS**

1. Define computer.
2. What are the two principal characteristics of computer?
3. What do you mean by speed of computer?
4. What are the different types of portable computers?
5. What is PDA?
6. What is super computer?
7. What is microcomputer and what are its types?
8. What are the functions and components of a computer?
9. What are the four functions of computer?
10. What is the function of the memory?
11. What are registers?
12. Explain CPU.
13. What is meant by automation and diligence.
14. Define word length.
15. What is meant by ALU.

#### **SECTION-B**

**5 MARKS**

1. Explain about the components of Computer?
2. Explain about Hardware and Software.
3. What computers can do explain briefly.
4. What are the disadvantages of computer.
5. Explain about Automation in computer.
6. What computer can't do explain briefly.
7. Write about diligence of computer explain.

**SECTION-C****10 MARKS**

1. Explain the uses and advantages of computer.
2. Explain the components of computers.
3. Explain about the characteristic of computer?
4. Explain in detail mainframe computers.
5. Write about super computers and network computers.
6. What are the difference between laptop and subnotebook?
7. What are minicomputers and how they are used.
8. Explain in detail about classification of digital computer systems.
9. Explain about the parts of computer.
10. Explain the task and performance of CPU in detail.

**UNIT II****SECTION-A****2 MARKS**

1. What is bit,byte.
2. List out any two types of Compliments.
3. What is Binary Number system?
4. Write the radix for binary,decimal,octal?
5. Define EBCDIC Code.
6. Define ASCII Code.
7. What is the decimal equivalent of binary number 10110.
8. Describe Gray code.
9. What is an Excess 3 Code.
10. Define 1's Compliments.

**SECTION-B****5 MARKS**

1. Explain about 1's Compliments with an example.
2. Convert (FF2) to decimal & (A3F) to binary.
3. Explain floating pointm representation of numbers.
4. Write about ASCII and EBCDIC Code.
5. Write Binary Equivalent of 45,67,89.

**SECTION-C****10 MARKS**

1. Explain the conversions of different compliments.
2. Explain about Number base System with an example.
3. Write notes on BCD, Gray Code and Excess Code with an example.
4. Do the following: a)  $10101 + 10110$  b)  $11011 - 1110$
5. Convert the following: a) 65 to binary b) 24.25 to Octal.

**UNIT III SECTION-A****2 MARKS**

1. What are optical disks?
2. What is an output device?
3. Write the disadvantage of magnetic tapes.
4. List out any five input devices.
5. Write the difference between RAM and ROM.
6. Define the types of optical disk.
7. What is sequential.
8. Define seek.
9. What is floppy disk?
10. Define hard disk.
11. Define hard disk
12. List the types of secondary storage device
13. What is memory?
14. Define bit, byte.
15. Explain CD-ROM.

**SECTION-B****5 MARKS**

1. Describe about memory units.
2. Describe hard disk, floppy disk?
3. Write about magnetic tapes and its types.
4. Write about auxiliary storage devices.
5. What is Scanner and explain its types.
6. Describe about colour based Mointer.
7. Write about different types of Printers.
8. Explain about video standard mointer in detail.

**SECTION-C****10 MARKS**

1. Write short notes on:RAM,ROM.
2. Explain the magnetic tape and its types.
3. Explain about floppy disk.
4. Explain in detail about optical disk.
5. Explain the types of secondary device.
6. Write about input and output devices in detail.
7. Explain about Auxiliary storage devices.

**UNIT IV****SECTION-A****2 MARKS**

1. Describe Hardware.
2. Write about Software.
3. Define Multitasking.
4. Write the two types of Software.
5. Describe operating system.
6. Describe DBms.
7. Write about batch processing.
8. What is real time processing.
9. What is compiler.
10. What is meant by Machine language?
11. Write about programming language.
12. What are high level language.

**SECTION-B****5 MARKS**

1. Write about different types of software and explain.
2. Discuss about Operating systems.
3. Explain about DBMS with an example.
4. Write about real time operating system.
5. Explain about machine and other languages in detail.

**SECTION-C****10 MARKS**

1. Explain in detail about Software and its types briefly.

2. Write about the classification of OS.
3. Discuss about the functions of OS.
4. Explain about different types of high level languages with an example.
5. Distinguish between a Single User OS and Multi User OS.

**UNIT V**

**SECTION-A**

**2 MARKS**

1. What is telecommunication.
2. What are the components of network.
3. What are network protocols.
4. Describe Modem.
5. Describe Internet.
6. What is TCP/IP?
7. What is URL?
8. What is Telnet?
9. What is a search engine.
10. What is a web page.
11. Explain WWW.
12. What is an E-Mail?
13. What is the use of E-Mail?
14. What is spamming?
15. Describe WAN?

**SECTION-B**

**5 MARKS**

1. Write about the different types of Networks.
2. Write short notes on HTTP.
3. Explain Network Topologies in detail.
4. How does the Internet works explain.
5. Discuss TCP/IP Protocols .
6. Explain the network Architectures?

**SECTION-C****10 MARKS**

1. Explain the different types of networks in details?
2. Explain the telecommunication.
3. Explain the network architectures?
4. Explain the different types of internet protocols in detail.
5. Write about mailing basics and the complete concept to send E-Mail.

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