QUESTION BANK

ON

COMPUTER APPLICATION

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COMPUTER ORGANISATION

Short answer type questions.

1. What is the difference between analog computer and digital Computer?
2. What is a hybrid Computer?
3. Define GFLOPS.
4. Define MIPS.
5. Differentiate between hard copy and soft copy.
6. What is CPU?
7. What is ALU?
8. Write 3 no. of output devices.
9. Define cache memory.
10. What is MICR?
11. Differentiate between volatile and non volatile computer memory.
12. What are the different types of plotters used in PC?
13. Define memory hierarchy.
14. What are the different types of printers?
15. Differentiate between impact and non- impact printer.

Long Answer Type Questions

1. Write the evolution of computer briefly.
2. Write different generations of computer. Explain the key features of computers of each generation.
3. What are the classifications of computer? Write the features of different classes of computers.
4. What is Von Neumann stored principle? Explain the working principle of a digital computer with a functional block diagram.
5. What is memory hierarchy? Explain various types of memory present at different levels of memory hierarchy.
6. Discuss about the various input devices used in pc platform?
7. Discuss about the various output devices used in pc platform?
8. Discuss about different types of printer with suitable example of each category.

COMPUTER SOFTWARE

A. Short answer type questions.

1. Define software.
2. What are the different types of software available?
3. Differentiate between hardware and software.
4. Define multiprogramming operating system.
5. Define GUI.
6. What is application software?
7. Define a program.
8. What is computer security?
9. Differentiate between application software and system software.
10. What is a programming language?
11. Write some example of high level programming language.
12. Differentiate between compiler and interpreter.
13. What is an icon?
14. Define a virus.
15. Write some examples of boot sector virus.
16. Differenciate between boot sector virus and multipartile virus.

Short Notes

1. Batch processing System.
2. Real time OS
3. Time sharing OS
4. Single user VS Multi user OS
5. Network OS
6. DOS internal commands
7. Windows Control panel
8. Computer Virus
9. Distributed OS

Long Answer Type Questions

1. Define an operating system. Discuss about major functions of an operating system.

2. Define software. Describe various types of software with example of each.

3. Discuss about various types of operating systems used in computer.

4. What is DOS? Discuss about the main features of DOS with suitable example.

5. Discuss about various features of Unix operating system.

6. Compare between features of DOS and Unix operating system.

7. Explain various key features of Windows operating system.

8. Compare the various features of Windows and Unix operating system.

9. Define a virus. How does virus spread and what are the symptoms of virus atrtack?

10. Describe different types of virus with suitable example.

11. Explain virus life cycle.

12. Explain how you can prevent virus attack.

13. Differentiate between application software and system software.

14. Differentiate between compiler and interpreter

15. Differentiate between single user OS and multi user OS.

COMPUTER NETWORK & INTERNET

Short answer type questions.

1. Define computer network.
2. What is data communication?
3. State the different goals for setting up a computer network.
4. Define resource sharing in a network.
5. Define reliability in computer network.
6. Name the various types of computer networks.
7. Define LAN.
8. What are the different topologies used in computer network?
9. What is internet? Who is the owner of the Internet?
10. What is MAN?
11. What is a web site?
12. Differentiate between web site and web page.
13. What is URL?
14. What do you mean by web address?
15. What are the advantages of the internet?
16. Who provides internet services?
17. What is e-mail? What are it's use?
18. What are the essential requirements for sending an e-mail to others?
19. Define a server.
20. What do you mean by Network topology?
21. How does a star topology differ from a tree topology?
22. State major areas where internet are used.

Write short notes on the followings.

1. WWW
2. HTTP
3. FTP
4. DNS
5. URL
6. LAN
7. MAN
8. WAN
9. STAR topology
10. Bus topology
11. Tree topology
12. Ring topology
13. Mesh topology
14. Router
15. Bridge
16. Switch
17. Gateways
18. NIC
19. REPEATER
20. HUB
21. ISP
22. Online shopping
23. Chatting
24. Web conferencing

Long Answer Type Questions

1. What do you mean by data communication mode? Describe different types of data transmission modes.
2. Write down different types of networking devices used for internet.
3. Discuss about various categories of computer network. Give a comparison between LAN and WAN.
4. What is e-mail? Write its advantages and limitations.
5. What do you mean by network topology? What are the major types of network topologies?
6. Discuss different types of internet connectivity.

FILE MANAGEMENT AND DATA PROCESSING

Short answer type questions.

1. Define a file.
2. Differentiate between file and folder.
3. What is meant by ISAM.
4. Define OCR.
5. What is USB flash drive.
6. Differentiate between random access method and sequential access method.
7. Define data capture.
8. What do you mean by data retrieval?
9. What are the possibilities of loss of a file?
10. What is data processing?

Long answer type Question

1. What is file access? Explain the various types of file access methods.
2. Explain briefly about different methods of data capture.
3. Discuss about data storage devices.
4. Explain different types of data processing method.
5. Explain data recovery. Explain briefly about different methods of data recovery.

PROBLEM SOLVING METHODOLOGY

CHAPTER 5

Short Answer type Questions
1. Write various steps to write a program.
2. Define an algorithm.
3. Write characteristics of algorithm.
4. Define a pseudo code.
5. Differentiate between algorithm and pseudo code.
6. Write the different types of logic of a problem solution.
7. Define a flowchart.
8. Write the advantages and disadvantages of flowchart.
9. What is the role of an algorithm in programming.
10. What are the different symbols used in a flowchart?
11. What is loop?
12. Write the syntax for three types of loop.
13. Differentiate between algorithm and flowchart.
14. Give the flowchart symbols for keeping I/O Statement and Decision Statement.

Long answer type Question

1. Write an algorithm to find the greater between two numbers.
2. Write an algorithm to calculate factorial of a number.
3. Write an algorithm to check if a number is even or odd.
4. Write an algorithm to check if a number is +ve or –ve.
5. Write an algorithm to calculate the area of a circle.
6. Write an algorithm to calculate square of a number.
7. Write an algorithm to find if a number is prime or not.
8. Write an algorithm to find greatest among three numbers and draw flowchart for it.
9. Write an algorithm to solve a quadratic equation ax^2+bx+c.
10. Write an algorithm to convert temperature from Celsius to Fahrenheit.
11. Write an algorithm to check if a year is a leap year or not.
12. Write an algorithm to find the area of a rectangle.
13. Write an algorithm to calculate Simple Interest.
14. Write an algorithm to print first n numbers.
15. Write an algorithm to find if a person is eligible to vote or not.