COMPUTER APPLICATION

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CHAPTER-1

Computer Fundamental

1. What is abacus? Write its uses in ancient?

2. What is punch card equipment?

3. Outline the key feature of 1st generation of computer brief?

4. Outline the key feature of 2nd generation of computer brief?

5. Outline the key feature of 3rd generation of computer brief?

6. Outline the key feature of 4th generation of computer brief?

7. Outline the key feature of 5th generation of computer brief?

8. Differentiate between analog computer and digital computer?

9. Define hybrid computer?

10. What are the different classes of computer?

11. Define GFLOPS?

12. Define MIPS?

13. Define between data and information?

14. Differentiate between soft copy and hard copy output?

15. Define Database maintenance?

16. What is CPU?

17. What is ALU?

18. Name the three input device used in Pc?

19. Name the three output device used in Pc?

20. Define register used in PC?

21. Define auxiliary memory used in PC?

22. Define primary memory used in PC?

23. Define the types of VDU used in PC?

24. State three different types of computer memory?

25. Define memory hierarchy. State Different memory present in the different levels?

26. Define a cache memory?

27. What are the different types of ROM used in PC?

28. What are the different types floppy disk used in PC?

29. Define a platter of hard disk?

30. What are the pits and fall of a CD-ROM?

31. What is an OMR?

32. What is an MICR?

33. What are the different categories of keys present on computer keyboard?

34. What is non-impact printer .Give example?

35. What is an impact printer .Give example?

36. Define volatile memory and non-volatile computer memory?

37. What is Cps and Ipm?

38. What are the different types of platter used in PC?

LONG QUESTION

1. Discuss about the evolution of computer .Give Suitable example of various computer?

2. Discuss about the generation of computer? Explain the key Feature of computer of each generation?

3. What is classification of computer? Compare and contrast the feature of different classes of computer?

4. What is VON Neumann stored principle ? Explain the working of a digital computer with a functional diagram?

5. What is memory Hierarchy? Explain the feature of the various types of memory present at different levels of this hierarchy?

6. Differentiate between primary memory and secondary memory used in pc . Give proper example to substantiate your answer?

7. Explain how data recorded on a floppy disk, hard disk and CD-ROM with proper diagram?

8. Discuss about the various input devise's used in PC platform?

9. Discuss about the various output devise's used in PC platform?

CHAPTER–2

Computer software

2mark question

1. Define an operating system. Given example of three operating system used on pc.

2. What are the 4 major function of an operating system?

3. What are the 4 major resources of a computer, which are managed by the operating system?

4. Define a system call in operating system.

5. What are the various type of operating system used on pc.

6. Define a batch processing system.

7. Define multimedia operating system.

8. Define time sharing operating system.

9 Define Multi-tasking operating system.

10. Differentiate between dos and external command.

11. Write dos command to execute the following tools with an example.

   a) Create directory.

   b) Display the content of the directory.

   c) Display system data time

   d) Copy a file from hard disk to floppy disk

12. Write dos command to format a floppy disk, with an example.

13. Define background Processing done by UNIX operating system.

14. Define GUI.

15. Write different versions of window Operating system.

16. State how to minimize, Maximize and close an active window.

17. Define active window in window operating system.

18. What is computer system?

19. What do you mean by program?

20. What is software?

21. Write type if software.

22. What is application software?

23. What is system software .Quote some example of system software.

24. What is programming language?

25. What is needed of having a compiler for each high level Programming language.

26. What is an interpreter .how is it different compiler.

27. Write UNIX command to execute the following tasks with an example.

a) Display the current user.

b) Create a directory.

c) Change read – write – execute permission.

d) Display current working directory.

28. State the purpose of the following in window operating system .

   a) Icon

   b) Toll bar

   c) Scroll bar

   d) Dialog box

   e) Menu

10 mark question-

1. Define operating system. Discuss about the major function of any operating system .

2. Disscuss the various objective of an operating system . Illustrate your answer with proper example.

3. Discuss about the various type of operating system used in computer.

4. What is DOS.

5.Disscuss about the various typical feature   of unix operating system.

6.compare and contrast between the feature of DOS and UNIX operating system.

7.Explain the various key feature of window operating system.

8.Discuss how window operating system is better than DOS from user point of view.

9.compare the various feature of window and UNIX operating system.

Write shot note

1.Single user vs multiuser o.s.

2.batch operating system.

3.time sharing o.s.

4.Real time o.s

5.Multiprossingo.s

6.NOS.

7.DOS external command.

8.windos desktop.

9.window toolbar .

10.Window control panel.

11.What is various . How does virus spread and what are the symptoms of various.

12.How can prevent the various attack.

13.What is the difference between   Application software and system software.

14.Distingush between compiler and Interpreter.

15.Define software . Describe various type of software and briefly explain them.

CHAPTER–3

Computer network and internet concept

Short Answer Type Question:

1. Define computer network?
2. State the different goals for setting up a computer network?
3. Define resource sharing in network.
4. Define reliability in a computer.
5. What are the various type of network?
6. What is a MAN?
7. What are the different topologies used in Computer network.
8. What is internet? Who is the owner of the internet?
9. What are the advantages of the network
10. What are the hardware required for connecting with the internet
11. What do you mean by Web address? What are the constituent to form the Web address?
12. Who provide internet service?
13. Name some internet service provider in India
14. What do you mean by Webpages?
15. What is a website?
16. What is the difference between webpage and Website?
17. What is e-mail? What are the uses of E-mail?
18. What are the advantages of e-mail?
19. What are the Limitations of e-mail?
20. Define a server in internet?
21. State five major areas in which internet used?
22. Define WWW.
23. Define HTTP
24. Define DNS
25. Define FTP
26. Define URL?
27. What do you mean by network topology?
28. How does star topology differ from tree topology?
29. What are the advantages and disadvantages of bus topology?
    What is modem?
30. What is concept of networking?
31. Define protocol?
32. What is connecting media?
33. What are different type's data transmission modes?
34. Define topology?
35. Name different types of Network.
36. What is E-mail?
37. What is E-Newspaper?
38. Name different types of network connectivity.

Short Note:

1. Protocol
2. Bus
3. Star
4. Ring
5. Mess
6. Tree
7. Hybrid
8. LAN
9. WAN
10. W-LAN
11. CAN
12. MAN
13. SAN
14. HUB
15. Repeater
16. Switches
17. Bridges
18. Routers
19. Gateway
20. NICs
21. E-mail
22. WWW
23. FTP
24. Chatting
25. Internet conferencing
26. Online shopping
27. Dial-up connection
28. ADSL
29. ISP

Long Answer Type Question:

1. Discuss about various categories of computer network? Give a comparison between LAN and WAN.
2. Discuss about the various application area of internet? Give appropriate example each of them.
3. Discuss about different goals for setting up a network
4. Explain E-mail message format.
5. What do you mean by network topology? What are the major types of topology?
6. Describe various categories of network with example.
7. What is the transmission mode? Explain briefly about its different types.
8. What are the different types?

CHAPTER–4

File management and data processing

Short type question:

1. Write a short note on file.
2. What is the difference between file and folder?
3. What do you mean by ISAM?
4. Define OCR?
   What is USB flash drive?
5. What is folder in computer?
6. What is difference between random access method and sequential access method?
   How to recover missing loss or deleted file?
7. Define data capture?
8. What is data processing discussed about some operations that can be performed on data?

Long Answer Type Question:

1. What is file access? Explain various type of file access method
2. Explain briefly about different method of data capture?
3. Discuss about data storage device?
4. Define data processing? Explain various method of data processing.
5. What is data recovery? Explain briefly about different method of data recovery.

CHAPTER–5

Problem solving methodology

Short answer type question
1. Define algorithm
2. What is the role of algorithm in programming?
3. What are the characteristic of an algorithm
4. What is the function of a flowchart? What information does it depict?
5. Develop an algorithm to solve a quadratic equation
6. What is a flowchart?
7. Give the flowchart symbol for keeping i/o statement and decision statement?
8. Differentiate between algorithm and flowchart?
9. Write step in programming process?
10. What is loop? Write syntax of 3 type of loop

LONG ANSWER TYPE
1. Write about different symbol used in flowchart?
2. What is structural programming language?
3. Draw a flow chart to calculate the root of a quadratic equation.
4. Draw a flowchart to find the sum of n integer.
5. Draw a flowchart to find all prime number between two numbers.
6. Draw a flow chart to calculate factorial of a number N
7. Draw a flowchart to calculate the square of a number N
8. Draw a flowchart to find the sum of square of first N integer.