QUESTION BANK

Computer Application

Chapter-wise & Previous Semester Questions

By: M K Prusty

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Chapter wise Questions

Subject: Computer Application

1st & 2nd Sem (All Branches)

Chapter-1 : (Computer Organization)

Short Question (2 Marks)

1. What are the principal components used in different generation computers?

2. What are the principal components used in 2nd and 3rd generation computers?

3. What is ALU?

4. Write name of four Output devices.

5. Write Different types of Printers.

6. What are four major resources of a computer which are managed by the operating system?

7. Define hybrid computer.

8. Define impact printer and give example.

9. Difference between RAM & ROM.

10. Difference between Volatile & Non-Volatile Memory.

11. What is Super Computer?

12. What is the Features of Main Frame Computer?

13. Define MICR.

14. Define GFLOPS & MIPS.

Short Question (5 Marks)

1. Difference between Primary & secondary Memory.

2. Write features of different generations of computers.

Long Question (10 Marks)

1. Discuss about the generation of computers. Explain the key features of computers in each generation.

2. Define computer. Describe the functions of different parts of computer with a neat block diagram of computer.

3. Write Classifications of Computers.

4. Define memory? Give the characteristics of different types of memory of a computer system.

Chapter-2 : (Computer Software)

Short Question (2 Marks)

1. Define GUI.

2. What are four major resources of a computer which are managed by the operating system?

3. Define time sharing operating system.

4. Define Operating System, Write Examples of 3 Operating Systems.

5. Define Time Sharing OS.

6. Define Batch Processing OS.

7. Difference between GUI & CUI.

8. Write different types of Programming Languages.

9. What is Anti-Virus, Write examples of 2 Anti-virus Software.

Short Question (5 Marks)

1. Discuss about different functions of Operating System.

2. Define Compiler. How it is different from Interpreter.

Long Question (10 Marks)

1. Define Operating System. Write down the Objectives and functions of an Operating System.

2. Discuss about various types of operating system used in computer.

3. Give a comparison study of DOS, WINDOWS and UNIX operating system.

4. What is Virus and what are its different types? How it can be detected and prevented.

Chapter-3 : (Computer Network and Internet)

Short Question (2 Marks)

1. Define FTP.

2. What is internet.

3. Define Computer Network.

4. Name four Internet service providers in India.

5. Define protocol.

6. Define WWW?

7. What is Router?

8. Write Advantage and dis-advantages of Fiber Optics Cable.

9. Write the job of Repeater & Bridge.

10. Write the job of Router & Gateway.

11. Write short note on Online shopping.

Short Question (5 Marks)

1. What is E-mail? Explain the features of E-mail.

2. Write on different mode of data transmission based on direction of data flow.

3. What is Network, Write Different types of Computer Networks (LAN, MAN, WAN).

4. Write difference between LAN & WAN.

.**Long Question (10 Marks)**

1 . What is computer Media? Explain Different types of network Medias.

2. What do you mean by network Topology? What are the major types of network topologies? Explain each type in brief.

3. Write different types of Internet Connectivity methods.

4. Write different networking devices.

5. Write types of Data Communication (Serial & Parallel).

Chapter-4 : (File Management and Data Processing)

Short Question (2 Marks)

1. What is the difference between File & Folder?

2. Define ICR & IDR.

3. Define Data capture.

Short Question (5 Marks)

1. Write about different Data Capture methods used in file management.

2. Write about different Data Processing methods used in file management.

3. Write about different Data Retrieval methods used in file management.

Long Question (10 Marks)

1 . What is a file? Describe different file access methods like: Sequential, Direct and ISAM.

Chapter-5 : (Problem Solving Methodology)

Short Question (2 Marks)

1. What is Algorithm?

2. Define Flowchart.

Short Question (5 Marks)

1. Difference between Algorithm & Flow chart.

2. What is Flow chart, what are the different symbols used in Flow chart.

3. Draw the flow chart to fine the largest number among three un-known numbers.

Long Question (10 Marks)

1. Write the Algorithm and flow chart to find the sum and average of n numbers from 1 to 100.

2. Write the Algorithm and draw the flow chart to find the sum and average of n Random numbers.

3. Write the Algorithm and draw the flow chart to find whether a number is prime or not.

4. Write the Algorithm and draw the flow chart to find the Factorial of a number n.

5. Write the Algorithm and draw the flow chart to Check whether a number is even or odd.

Chapter-6 : (Overview of C Programming language)

Short Question (2 Marks)

1. What are the various Data types available in C Language?

2. Define Array.

3. What do you mean by function in C programming language?

4. Define escape sequence character constant. Give two examples.

5. State the different types of relational operators provided by C.

6. What is Typecasting?

7. What is ternary Operator, write with example.

Short Question (5 Marks)

1. What is a Loop? Explain different types of Loops in C with syntax.

2. What are different types of Operators available in C Programming.

Long Question (10 Marks)

1. What are different types of Operators available in C Programming.

2. Write a program in C to find the sum and average of n numbers from 1 to 100.

3. Write a program in C to find the sum and average of n Random numbers.

4. Write a program in C to find whether a number is prime or not.

5. Write a program in C to find the Factorial of a number n.

6. Write a program in C to Check whether a number is even or odd.

Previous Semester Questions :

I-Sem/COMMON/2016(W) (New)
COMPUTER APPLICATION

Full Mark:70   **Time: 3 hours**

Answer any five questions.

1. (a) Define the term DPI, CPS.   2

   (b) Discuss about key features of different types of classes of Digital Computer.   5

   (c) Define memory hierarchy. Explain the main feature of the various types of memory present at

      different level of this hierarchy.   7

2. (a) Define Protocol.   2

   (b) Discuss about Batch processing, Multi programming and Time sharing OS.   5

   (c) Discuss about Synchronous and Asynchronous transmission mode.   7

3. (a) Define Data Validation.   2

   (b) Make a comparison between Algorithm, Pseudo code and Flowchart by using an example.5

   (c) Discuss about different types of internet connectivity.   7

4. (a) Define ISAM.   2

   (b) Write short notes on any two.   5

            (i) Hub (ii) Repeater (iii) FTP (iv) Topology.

   (c) Write a program in C to find the factorial of a number by using recursion.   7

5. (a) Define Array.   2

   (b) Explain the different types of decision control statement in C. write a C program to find sum of first

      100 numbers by using while, do while and for loop.   5

   (c) Write a program in C to find the sum of the series.

   $$1+\frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \text{................}+\frac{1}{n}$$ 7

6. (a) Define Pointer.   2

   (b) Write the difference between Structure and Union.   5

   (c) Write a C program to print the prime numbers between 1 to 100.   7

7. (a) Name any two optical input device.   2

   (b) Discuss about the different methods of detecting and preventing the computer Virus.   5

   (c) Draw the functional block diagram of a computer and discuss about function of different components.7

II-Sem/COMMON/2016(S) (New)
COMPUTER APPLICATION
(Code: BET-104)

Full Mark:70   **Time: 3 hours**

Answer any five questions.

1. (a) Define operating system.   2

    (b) Give a brief idea about the classification of computers.   5

    (c) What is computer virus and what are its different types. How it can be detected and prevented? 7

2. (a) Define Compiler and Interpreter .   2

    (b) What do you mean by software? Differentiate betweenSystem software and Application software.5

    (c) What is the use of memory in a computer? Give a clear description about its classification.   7

3. (a) Define network and internet.   2

    (b) Briefly explain the uses of bridge and router in network.   5

    (c) What is a file? Describe the file access methods: Sequential, Direct and ISAM.   7

4. (a) What do you mean by type-casting in C?   2

    (b) What is Pseudo code and why it is used?   5

    (c) Draw the flowchart and write a program in C to calculate the factorial of a number.   7

5. (a) What are different data types used in C.   2

    (b) Differentiate between call by value and call by reference.   5

    (c) Give a comparison study of DOS, Windows and Unix operating system   .   7

6. (a) What is FTP and why it is used?   2

    (b) Write short notes on (any two).

       (i) E-mail (ii) On-line shopping (iii) Chatting   5

    (c) Write a program in C to multiply two 3X3 matrices.   7

7. (a) What is a Pointer in C.   2

    (b) What do you mean by String? Write a program in C to concatenate two strings.   5

    (c) What is looping? What are the different types of looping used in C ? Write their systems with

        example.   7

II-Sem/COMMON/2016(S) (New)(BP)
COMPUTER APPLICATION
(Code: BET-104)

Full Mark:70   **Time: 3 hours**

Answer any five questions.

1. (a) List out the main blocks of a computer system.   2

(b) Define virus. Write down how to detect and prevent the virus.   5

 (c) Why memory is needed? Explain different types of memory.   7

2. (a) Define algorithm.   2

   (b) Differentiate between compiler and Interpreter.   5

   (c) What is file? Discuss different file access and storage methods.   7

3. (a) Define Router.   2

   (b) What is Operating System? Explain Batch processing and Time sharing operating system. 5

   (c) Define network. Explain different types of networks.   7

4. (a) What do you mean by Pointer?   2

   (b) Discuss different generation of computer.   5

   (c) Define Topology. Explain different types of topology used in networking.   7

5. (a) Define Protocol.   2

   (b) Explain different operators used in 'C' language.   5

   (c) Write a C program to find out largest among three numbers with Flowchart.   7

6. (a) What do you mean by FTP.   2

   (b) Write a C program to find out Factorial of a given number.   5

   (c) Discuss different network devices in detail.   7

7. Write short notes on any Four: $(3_{1/2}x4=14)$

(a) Software.

   (b) Array.

   (c) E-mail.

   (d) Looping statement in C language.

   (e) Online Shopping.

   (f) Flowchart.

COMPUTER APPLICATION
(Code: BET-104)

Full Mark:80   **Time: 3 hours**

Answer any five questions.

1. (a) What is MICR.   2

    (b) Draw the block diagram of computer and discuss about the function of different parts of a computer.   5

    (c) Write the difference between RAM and ROM.   8

2. (a) Name any two anti-virus software .   2

    (b) What is Network? Discuss about different advantages of Internet.   5

    (c) Discuss about different types of software used for a computer.   8

3. (a) State the function of a compiler.   2

    (b) Define OS and describe its different functions.   5

    (c) Make a comparison between Multiprogramming and Time sharing OS.   8

4. (a) What is recursion?   2

    (b) Write a program in C, implementing the recursion.   5

    (c) Write a program in C to find out the following.

    $X^{-1}+X^{-2}+X^{-3}+\ldots\ldots\ldots\ldots+X^{-100}$ 8

5. (a) What is library function?   2

    (b) Draw the flowchart to find the greatest of 100 numbers.   5

    (c) Write a program in C, to find the greatest of 100 numbers.   8

6. (a) Define Looping?   2

    (b) Write a program in C to find the solution of quadratic equation.   5

    (c) Write a program in C, to print a number in reverse order.   8

7. Write short notes on (anyfour):

     (i) Printer (ii) Algorithm (iii) Data types in C (iv) Virus (v) Hard disk.