

Homework
Class 9 A,B
Subject: Computer Science

Book : Computer Science PTB (New Syllabus)

Students will go through Chapter 1 and 2 till 30th April and solve the following questions:

Chapter 1 Problem Solving

- Q. No. 1 Define Candid solutions.
- Q. No. 2 Define Flowcharts and state importance of Flowcharts in Problem solving.
- Q. No. 3 Write down requirements for a Flowchart.
- Q. No. 4 Write definition of Algorithm and write role of Algorithms in Problem solving.
- Q. No. 5 Write Notations for writing an Algorithm.
- Q. No. 6 Solve Activity 1.6 on page 18 of new syllabus text book.
- Q. No. 7 Write advantages and disadvantages of Flow charts and Algorithms.
- Q. No. 8 Explain different types of Test Data.
- Q. No. 9 Define Verification and Validation.
- Q. No. 10 Suppose a problem has multiple algorithms. How would you choose the most efficient one? Explain with examples.
- Q. No. 11 Define Problem Analysis. Explain your answer along with an example.

Chapter 2 Binary System

- Q. No. 1 Convert (69610)₁₀ to Hexadecimal.
- Q. No. 2 Differentiate between Volatile and Non-volatile memory.
- Q. No. 3 Differentiate between permanent and temporary storage.
- Q. No. 4 Write the Truth table for X AND Y, where
 - X = It is sunny
 - Y = Today is Monday.
- Q. No. 5 Write Truth table for Distributive law of AND over OR for 3 variables.
- Q. No. 6 Write Truth table for Associative law of OR for 3 variables.

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