

# Chap-1

1. Write two strategies for planning a solution and defining a problem/ Define "Act it out" strategy , "defining a problem" and "planning a solution"/ Gain Background Knowledge / 5 W's to understand problem (Lhr 2021(mor) ) (FSD-2023) (Lhr 2021(eve) ) (MLTN-2021(mor) ) (Grw-2022 (eve) ) (MLTN-2021) (Grw-2021) (BWP-2022) (RWP-2022) (Grw-2022(mor) ) (MLTN-2021(eve) )
2. Define an Algorithm / efficiency of an algorithm / "Input" and "Output" notation of an algorithm / role of algorithm/ GOTO notation in an algorithm?/two advantages of an algorithm/ algorithm verification. (LHR-2022(eve) ) (Grw-2022(eve) ) (BWP-2021) (MLTN-2022) (Grw-2021) (BWP-2022) (Grw-2021) (BWP-2021) (RWP-2023) (MLTN-2021) (BWP-2021) (MLTN-2021) (Grw-2022(mor) ) (Lhr 2021(mor) ) (DGK-2021)
3. What is prototype? (RWP-2023) (MLTN-2022) (Grw-2021) (BWP-2022) (Grw-2022) (Lhr 2021)
4. Define the Flow Chart. / Write importance of flowchart / terminal symbol / Flow lines / Diamond Symbol in flowchart?/ two advantages of flowchart (RWP-2022) (MLTN-2022) (MLTN-2021) (RWP-2023) (MLTN-2023) (DGK-2021) (Grw-2021(eve) ) (Lhr 2021) (DGK-2021) (Grw-2021(mor) )(MLTN-2021) (Lhr 2021) (FSD-2023) (BWP-2023) (LHR-2022) (Grw-2022)(Grw-2021) (MLTN-2022)
5. What is the problem analysis? (Lhr 2021) (BWP-2023) (MLTN-2021)
6. Describe Candid Solution /Which solution saves our time? (FSD-2023) (Lhr 2021) (LHR-2022) (BWP-2021)(DGK-2022) (BWP-2022) (BWP-2023)
7. Write name or What is meant by Test data/ boundary test data?/ Valid Test Data?/ Absent test data / Explain the importance of Testing (BWP-2023) (RWP-2023)(FSD-2023) (DGK-2022) (LHR-2022) (RWP-2022)(MLTN-2023)
8. What is meant by problem solving? / Write the name of the steps involve in problem solving. (MLTN-2023)(RWP-2022) (LHR-2022) (DGK-2022)
9. What is meant by trace table? (DGK-2021)
10. What is meant by decision making? (MLTN-2022) (DGK-2021)
11. What is meant by act-it-out? / understanding problem? / Divide and Conquer Rule? / selecting the best solution (MLTN-2022) (DGK-2021) (MLTN-2023) (DGK-2021)(BWP-2022) (MLTN-2022)
12. What is the difference between verification and validation? (MLTN-2022)
13. What is meant by strategy "use guess" in defining a problem? (MLTN-2023)
14. Draw Flowchart to find the Volume of Cube / proposition P.Q+P / find the area of parallelogram. (Grw-2021) (BWP-2022) (RWP-2022)

## Long

1. What is flowchart? How the requirements of flowchart are determined? Write down in detail. / write use of its symbols (MLTN-2021) (MLTN-2022) (Grw-2021) (BWP-2023)(Lhr 2021) (LHR-2022) (Grw-2021) (DGK-2021) (Lhr 2021) (DGK-2022) (DGK-2021) (BWP-2022) (Grw-2022) (MLTN-2021)
2. Compare verification and validation. Explain with example. (MLTN-2023)
3. What is test data? Write a note on three types of test data. (BWP-2022) (Lhr 2023) (MLTN-2022)
4. Define Problem solving/Defining a problem? explain understanding a problem./ Steps to solve problem (LHR-2022)
5. Define algorithm and Explain the formulation of an Algorithm. / Importance (Grw-2022) (BWP-2021)
6. Write note on the types of test data. (FSD-2023)