CHAPTER - 2

PROBLEM SOLVING TECHNIQUES

INTRODUCTION TO FLOWCHARTS,

RAPTOR TOOL AND FLOWCHARTS FOR SIMPLE PROBLEMS

Questions:

1. Define flowchart.
2. Bring out the general rules to draw flowcharts.
3. What are the key features of flow charts?
4. What is the symbol used for decision making?
5. Which symbol denotes beginning and end of the program?
6. Explain the assignment symbol with an example.
7. What tool is used for creating flowcharts?
8. Expand RAPTOR.
9. What are basic symbols of flowchart?
10. Which symbol is used to represent selection and loop in RAPTOR?
11. Write an algorithm and a flowchart to find area of circle.
12. Draw a flowchart for finding the Fibonacci series for a given limit.
13. Write algorithm and flowchart to convert temperature given in Fahrenheit to Centigrade and Centigrade to Fahrenheit. (Hint: C=5/9(F-32)).
14. Write algorithm and a flowchart for finding largest and smallest of three numbers.
15. Mention the symbols used in RAPTOR.
16. What is the advantage of using RAPTOR?
17. Write an algorithm and flowchart to calculate square and cube of a number.
18. Give a fragment of flowchart for the following algorithm

```
If A>B then
        print A
else
        print B
endif
```