

**PALLAVAN COLLEGE OF ENGINEERING – THIMMASAMUDRAM  
DEPT OF COMPUTER SCIENCE & ENGINEERING  
IT2403 – SOFTWARE PROJECT MANAGEMENT**

**UNIT – IV  
MONITORING AND CONTROL**

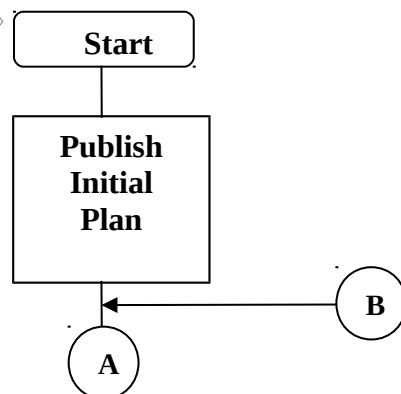
**PART – A(2 MARKS)**

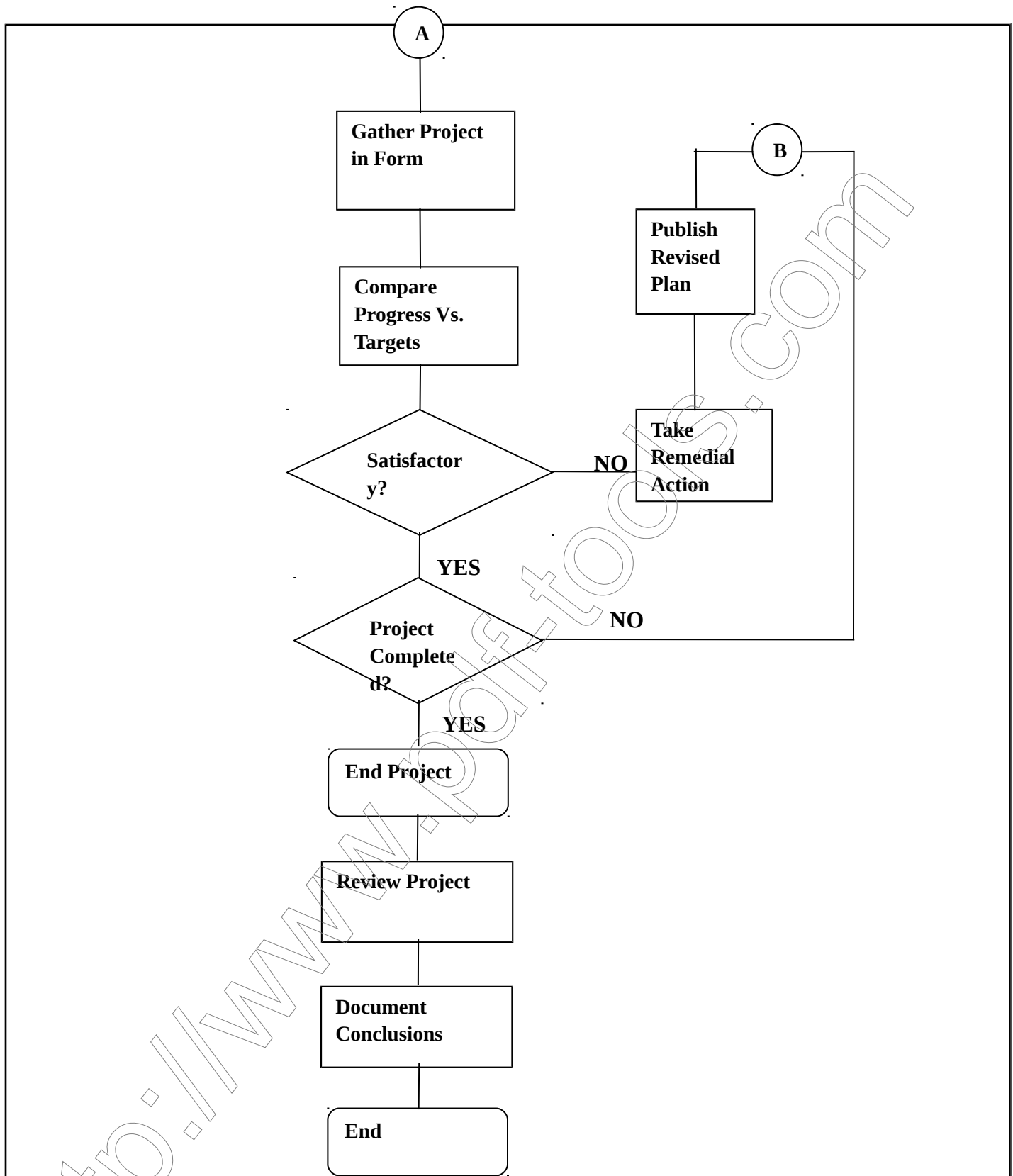
- 1. List the important roles of the Configuration Librarian.( May/June 2012)**
  - The identification of all items that are subject to change control.
  - The maintenance of records of who has access to which library items and the status of each library item.
  - The setting up and running of a formal set of procedures to deal with changes.
  - The establishment and maintenance of a central repository.
- 2. Name the popular visual tools used for monitoring and tracking the project progress.(May/June 2012)**
  - Gantt Charts(Static)
  - Time – line charts(Dynamics)
- 3. What is bespoke system?(Nov/Dec 2012)**

A bespoke system is ideal for someone looking to make the best use of their available space, or someone who wants a unique system to suit their personal circumstances.
- 4. What is the use of check points in monitoring?(Nov/Dec 2012)**

The use of check points in monitoring are:

  - ✓ Trace the requirement
  - ✓ Trace the schedule and budget of the project
  - ✓ To trace the input and output
  - ✓ To trace the constraints
- 5. Draw the project control cycle model.(May/June 2013)**





6. What are the levels of prioritizing monitoring?(May/June 2013)

Different levels of prioritizing monitoring:

- Critical path activity.
- Activities with no free float.
- Activities with less than a specified float.
- High risk activities.
- Activities using critical resources.

**7. Mention the advantages and disadvantages for fixed price contracts.(Nov/Dec 2013)**

**Advantages:**

- ✓ Known Customer Expenditure
- ✓ Supplier Motivation.

**Disadvantages:**

- ✓ Higher Prices to Allow for Contingency.
- ✓ Difficulties in Modifying Requirements.
- ✓ Upward Pressure on the Cost of Changes.
- ✓ Threat to System Quality.

**8. What is cost monitoring? Write its importance.(April 2014)**

Cost monitoring is monitoring expenditure for the project. Project costs may be monitored by a company's accounting system. This expenditure can be plotted in chart by two ways:

- Planned Expenditure
- Revised Expenditure

**9. How can changing control be managed in Software Project Management?(April 2014)**

- The copies are modified. In the case of software components this would involve modifying the code and recompiling and testing it.
- When the development of new versions of the product has been completed the user management will be notified and copies of the software will be released for user acceptance testing.

**10. List the important roles of the Configuration Librarian.(May/June 2012).**

- The identification of all items that are subject to change control.
- The setting up and running of a formal set of procedures to deal with changes.
- The maintenance of records of who has access to which library items and the status of each library item.
- The establishment and maintenance of a central repository of the master copies of all project documentation and software products.

**PART – B (16 MARKS)**

- 1) Explain the Change Control Process applicable for an operational system.
- 2) Explain the advantages and disadvantages of Fixed Price Contract model.
- 3) List down the typical Terms in a Contract and explain them in detail.
- 4) Describe the various ways in visualizing the progress of the project.
- 5) Explain the process of prioritizing monitoring. Give example.
- 6) Discuss the types of contracts with example.
- 7) Explain how the delayed projects can be brought back on track.
- 8) Discuss the steps in managing the contracts.
- 9) Describe the steps in project control.
- 10) How do you prioritize the data collection using Earned Value analysis? Discuss with suitable illustrations.