

Code: IT7T5C

**IV B.Tech - I Semester – Regular/Supplementary Examinations  
March - 2021**

**ELEMENTS OF SOFTWARE PROJECT MANAGEMENT  
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

**PART – A**

Answer *all* the questions. All questions carry equal marks

11x 2 = 22 M

1.

- a) List five necessary improvements of waterfall model.
- b) What are the advantages of waterfall model?
- c) Explain briefly the procedure for improving automation through software environments.
- d) Write a short note on software workflows.
- e) Write a short note on status assessments.
- f) Write a short note on configuration baseline.
- g) Write a short note on stakeholder.
- h) Define cost performance index and schedule performance index.
- i) What are the three activities of SPM?
- j) What is the need for metrics?
- k) Write a short note on staffing.

## PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) List the Boehm's top 10 quotations for the conventional software management performance. 8 M  
b) Explain how to improve team effectiveness. 8 M
3. What are the principles of conventional software engineering? 16 M
4. a) Explain about the management perspective of model-based architecture. 8 M  
b) What are software process workflows? 8 M
5. a) Explain the structure of default WBS with process frame work. 8 M  
b) What are various planning guidelines related to WBS? 8 M
6. Write about detail notes on Next generation Cost Models. 16 M