

TIT-505

Total no. of printed pages: 1

Roll no.

--	--	--	--	--	--	--	--	--	--

Odd Semester Examination, 2019-20

B. TECH. (IT, 5<sup>th</sup> Semester)**SOFTWARE PROJECT MANAGEMENT**

Time: 3 hour

Max. Marks: 100

- (i). Attempt All questions  
(ii). All questions carry equal marks  
(iii). Be precise in your answer

**1. Attempt any four parts of the following.**

(5X4=20)

- What do you understand by the term Software Project management? Discuss the scope of Software Project management.
- What is the information structure of BCWS?
- What do you understand by the term testing? Discuss the various principles of testing
- Explain in detail about Work Breakdown Structure in detail.
- What is Risk? Discuss about Risk Management process.
- Explain CASE tools in detail.

**2. Attempt any four parts of the following.**

(5X4=20)

- Compare the following Project life cycle and Product life cycle.
- What is software? State its importance and role in e-commerce.
- Discuss the risk break down structure.
- Delineate the process of reducing software product size
- Compare cost variance and schedule variance in detail.
- What is a milestone? Why are they useful?

**3. Attempt any two parts of the following.**

(10X2=20)

- What is a Critical Path Method? Discuss the CPM with activity bar chart.
- Explain the framework developed by CMM in improving the productivity of a software organization.
- Outline the strategies of Planning for risk reduction and controlling problems.

**4. Attempt any two parts of the following.**

(10X2=20)

- What is Software Quality Assurance? Discuss the various activities and approaches of SQA.
- Explain the Software Configuration Management in detail with its plan of change.
- What is a software reviews? Discuss the various types of software reviews.

**5. Attempt any two parts of the following.**

(10X2=20)

- Write short notes on the following
  - Pert chart
  - Gantt chart
  - SPI
- Conventional WBS's are prematurely structured around the product design. Discuss.
- What is the project budget? Explain different steps in cost estimation. What are the different types of cost need to be considered in cost estimation?