

Reg No.: \_\_\_\_\_

Name: \_\_\_\_\_

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**SIXTH SEMESTER B.TECH DEGREE EXAMINATION(R&S), MAY 2019**

**Course Code: IT364**

**Course Name: Software project Management**

Max. Marks: 100

Duration: 3 Hours

**PART A**

*Answer any two full questions, each carries 15 marks.*

Marks

- |   |                                                                                     |     |
|---|-------------------------------------------------------------------------------------|-----|
| 1 | a) Explain about the scope of software engineering.                                 | (3) |
|   | b) Describe advantages and Disadvantages of Waterfall Model.                        | (5) |
|   | c) Explain Agile Unified Process.                                                   | (7) |
| 2 | a) What are the activities in a generic process framework?                          | (5) |
|   | b) Explain Component Based development model.                                       | (5) |
|   | c) Explain about Industrial XP.                                                     | (5) |
| 3 | a) Explain on the maintenance and team programming aspects of software engineering. | (6) |
|   | b) Explain DSDM life cycle.                                                         | (5) |
|   | c) Describe People in the Management Spectrum.                                      | (4) |

**PART B**

*Answer any two full questions, each carries 15 marks.*

- |   |                                                                     |     |
|---|---------------------------------------------------------------------|-----|
| 4 | a) Differentiate between LOC and Function point.                    | (3) |
|   | b) Explain any two decomposition techniques.                        | (6) |
|   | c) What are empirical estimation models? Explain and Give examples. | (6) |
| 5 | a) What is Project Planning?                                        | (3) |
|   | b) Explain Process Based Estimation.                                | (6) |
|   | c) Explain Earned Value Analysis.                                   | (6) |
| 6 | a) Describe about Reusable Components.                              | (5) |
|   | b) Differentiate between Process and project metrics                | (3) |
|   | c) Explain Time chart with an example.                              | (7) |

**PART C**

*Answer any two full questions, each carries 20 marks.*

- 7 a) Explain about Risk Refinement. (5)  
b) What are software configuration items? Explain. (7)  
c) Explain on the critical success factors of SPI. (8)
- 8 a) Define and explain Baseline in terms of software configuration management. (7)  
b) Explain SCM features. (6)  
c) Explain Six Sigma for software Engineering. (7)
- 9 a) What is Risk exposure? How is it calculated? (7)  
b) Explain on Version control. (3)  
c) What is SPI? Illustrate and explain the elements of an SPI framework. (10)

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