B

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY
SECOND SEMESTER M.TECH DEGREE EXAMINATION, MAY 2016
COMPUTER SCIENCE AND ENGINEERING
(Computer Science and Systems Engineering)
04 CS 6404—Computer Aided Software Engineering

Max. Marks : 60   Duration: 3 Hours

PART A
Answer All Questions
Each question carries 3 marks

1. Explain task and work products with example.
2. Differentiate Greenfield Engineering Reengineering and Interface Engineering.
3. Write notes on UML class diagram
4. How to identify control objects during analysis phase?
5. Which are the collection data types in Object Constraint Language.? Explain.
6. What you mean by Contracts. Which are the three types of contracts? Explain briefly.
7. Write notes on integration testing.
8. What are the different configuration management tools available for software development?

PART B
Each question carries 6 marks

9. Explain project management concepts.

OR

10. What are the different tools or procedures that support communication events?

11. Describe about iterative and incremental software development process.

OR

12. Explain about the activities involved in requirement elicitation.
13. Describe about UML activity diagram with example.

OR

14. Write notes on
   1. UML Component diagram
   2. UML Deployment diagram
15. Write notes on:
   1. Model/View/Control architecture
   2. Repository Architecture

OR

16. How to develop Analysis Dynamic Model. Explain
17. Explain refactoring with an example.

OR

18. What are the different activities in optimizing object design?
19. Explain the activities in Configuration Management.

OR

20. Explain Program evolution Dynamics.