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Question Paper Code: 43206

B.E. / B.Tech. DEGREE EXAMINATION, AUGUST 2021

Third Semester

Computer Science and Engineering

14UCS306 - SOFTWARE ENGINEERING

(Regulation 2014)

Duration: 1:45 hour

Maximum: 50 Marks

PART A - (10 x 2 = 20 Marks)

(Answer any ten of the following questions)

1. How does the risk factor affect the spiral model of software development?
2. Distinguish between User Requirements and System Requirements.
3. What are the types of interface design?
4. Distinguish between black box testing and white box testing.
5. List out the types of project plan.
6. Why an induction motor is called rotating transformer?
7. What is boundary value analysis?
8. What are the two levels of testing?
9. What is a universal motor?
10. What are the applications of stepper motors?
11. Specify any four software design quality attributes?
12. What are the common approaches in debugging?
13. How to compute the cyclomatic complexity?

14. What is RMMM?

15. What is meant by software project scheduling?

PART – B (3 x 10= 30 Marks)

(Answer any three of the following questions)

16. Discuss system engineering hierarchy and briefly explain each level in the hierarchy. (10)
17. Write short notes on software requirements document with example. (10)
18. Enumerate data design concepts and principles in detail. (10)
19. Explain about basis path testing and loop testing with suitable example. (10)
20. Write short notes on the various estimation techniques (10)