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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, MAY 2014

Sixth Semester

Branch : Computer Science and Engineering

CS 010 605 – SOFTWARE ENGINEERING (CS)

(New Scheme – 2010 Admission onwards)

[Regular/Improvement/Supplementary]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer **all** *questions.*

Each question carries 3 *marks.*

1. What are the Advantages of incremental model?
2. Write short notes on Gantt charts
3. What is the purpose of domain analysis?
4. What are the various types of coupling?
5. What is Regression Testing?

(5 × 3 = 15 marks)

Part B

Answer **all** *questions.*

Each question carries 5 *marks.*

6. Explain the different attributes of a Good software.
7. How risks can be assessed and controlled? Explain briefly.
8. What is the difference between user requirements and system requirements?
9. What is the benefit of modular design?
10. What do you mean by boundary value analysis? Give *two* examples of boundary value testing.

(5 × 5 = 25 marks)

Turn over

Part C

Answer **all** *questions.*

Each question carries 12 *marks.*

11. With the help of a neat labelled diagram, briefly explain Boehm's spiral model. What are its advantages over waterfall model?

Or

12. Explain in detail about Capability Maturity Model Integration.

13. Explain briefly about the various types of project team organization.

Or

14. Write short notes on Software Configuration Management.

15. What are the functional and non-functional requirements of software?

Or

16. Differentiate between Verification and Validation.

17. Explain about the various design concepts considered during design.

Or

18. Describe briefly the various steps that must be followed for object oriented design.

19. Explain the basis path testing in detail with an example.

Or

20. Discuss the differences between Black box and White box testing.

(5 × 12 = 60 marks)