

C 5502

B.C.A. (Three Year) DEGREE EXAMINATION, OCTOBER/NOVEMBER 2017.

End Semester Examination

Fifth Semester

(Regular/Supplementary)

SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. What are software metrics and measurements?
2. Write short note on requirements specification.
3. What are the design principles of software?
4. What is human computer interaction?
5. Distinguish between verification and validation.
6. How do you estimate cost required for a software?
7. Explain characteristics of good software design.
8. Explain briefly about re-engineering activities.

PART — B

Answer the following questions. **(5 × 10 = 50 Marks)**

UNIT – I

9. (a) Explain software development process models.
Or
(b) Elaborate on spiral model and RAD model in detail.

UNIT – II

10. (a) What are software requirements? How to analyze the requirements?
Or
(b) Write requirement engineering process.

Turn Over

UNIT – III

11. (a) What are the design methodologies?
Or
(b) Differences between cohesion and coupling.

UNIT – IV

12. (a) What is the importance of user interface design and interface standards?
Or
(b) Explain human factors and HCI (Human Computer Interaction). Explain.

UNIT – V

13. (a) What are the differences between Black box and white box testing?
Or
(b) What is meant by SQA? Discuss in detail SQA activities.
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