

B.Sc. Semester-6 Examination

CC 307

Computer Science

March-2023

Time : 2-30 Hours]

[Max. Marks : 70

Q:1 Write the Following.

- (i) Explain structured programming and event driven programming practice in detail. (7)
- (ii) What is coding style? Explain coding guidelines. (7)

OR

- (i) Explain object oriented programming practice. (7)
- (ii) Explain code inspection & it's review. (7)

Q:2 Write the Following.

- (i) What is Testing? Explain it with objects, principles & guidelines. (7)
- (ii) Explain WhiteBox testing technique. (7)

OR

- (i) What is error, fault, failure & defect? Explain test cases with verification & validation. (7)
- (ii) Explain Blackbox testing technique. (7)

Q:3 Write the Following.

- (i) Explain project management activities. (7)
- (ii) Explain LOC & FP based estimation. (7)

OR

- (i) Explain COCOMO model. (7)
- (ii) Explain detail about project team. (7)

Q:4 Write the Following.

- (i) What is risk management? Explain with strategies. (7)
- (ii) What is the need for risk management in project? Explain with example. (7)

OR

- (i) Explain risk identification & assessment. (7)
- (ii) Explain risk mitigation, monitoring & control. (7)

Q:5 Attempt any seven out of twelve. (14)

1. What is code verification?
2. What is unit testing?
3. List out the tools of unit testing?
4. What are the principles of software testing?
5. What is regression testing?
6. What is test environment?
7. What are the characteristics that make software projects different from other projects?
8. Who are project stakeholders?
9. List some of problems with software projects.
10. When should a risk be avoided?
11. Give an example of risk mitigation.
12. What is risk avoidance?