



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – COMPUTER SCIENCE

FIFTH SEMESTER – NOVEMBER 2022

UCS 5505/UCA 5505 – SOFTWARE ENGINEERING

Date: 28-11-2022

Dept. No.

Max. : 100 Marks

Time: 09:00 AM - 12:00 NOON

PART-A

(10 x 2 = 20 Marks)

Q.No Answer ALL the questions

- 1 Define software myths.
- 2 Give the definition of software engineering.
- 3 What is meant by system engineering?
- 4 What is class based model?
- 5 Define user interface design.
- 6 What is design process?
- 7 Define the term software quality.
- 8 What is meant by project scheduling?
- 9 Write down the testing strategies of object oriented software.
- 10 Define validation testing.

PART-B

(5 x 8 = 40 Marks)

Answer ALL the questions

- 11 (a) Briefly explain the waterfall model.
(Or)
(b) Describe in detail about the changing nature of software.
- 12 (a) Write a short note on requirement analysis.
(Or)
(b) Describe in detail about creating behavior model.
- 13 (a) Explain architectural design.
(Or)
(b) Explain the golden rules of user interface design.
- 14 (a) Write a short note on software quality assurance.
(Or)
(b) Explain formal technical reviews.
- 15 (a) Briefly explain about basic path testing.
(Or)
(b) Differentiate between black box testing and white box testing.

PART-C

(2 x 20 = 40 Marks)

Answer any TWO questions

- 16 (a) Explain evolutionary process model in detail.
(b) Explain flow oriented modelling in detail.
- 17 (a) Discuss in detail the steps involved in interface design.
(b) Illustrate software project estimation.
- 18 (a) Discuss in detail control structure testing.
(b) Explain object oriented testing methods in detail.

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