

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9 Sub. Code :

1	1	3	2	0
---	---	---	---	---

Exam. Code :

5	0	0	4
---	---	---	---

Bachelor of Arts (FYUP) 4th Semester
(2056)

COMPUTER SCIENCE & APPLICATIONS

Paper : Software Engineering (Common with B.Sc. 4th Sem. FYUP)

Time Allowed : Three Hours]

[Maximum Marks : 90

Note :— Attempt **FIVE** questions in all, including Question 9 (UNIT-V) which is compulsory and selecting **ONE** question each from UNIT-I to IV.

UNIT-I

1. (a) Describe various goals of Software Engineering.
(b) What is data dictionary? Describe with suitable example.

9+9=18
2. Describe waterfall model of software development.

18

UNIT-II

3. (a) Discuss top down approach of the software design.
(b) What do you mean by modular design? Write its advantages.

9+9=18
4. What is COCOMO model? Explain basic COCOMO model.

18

UNIT-III

5. What do you mean by software reliability? Give various factors that affect software reliability.

18

6. What is software maintenance? Give its type and explain at least any two. 18

UNIT-IV

7. What is software testing? Write its objectives. 18
8. What is software selection? Discuss the key points that should be considered while selecting software to meet your objectives. 18

UNIT-V

(Compulsory)

9. Answer the following questions in 8-10 lines only:
- (a) What is SRS?
 - (b) What is cohesion in software design?
 - (c) What is work break down structure?
 - (d) What is LOC?
 - (e) What is beta testing?
 - (f) Write two objectives of software testing. 6×3=18