



Software Engineering (1090)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Attempt **any two** sub questions from each unit.
5. Draw neat & clean diagrams, wherever necessary.
6. Assume suitable data if necessary.

UNIT - I

1. a) Explain with neat diagram the waterfall model for software development. **10**
b) List the discuss software characteristics. **10**
c) Explain software engineering as layered technology. **10**

UNIT - II

2. a) With suitable examples explain in detail Make/ By decision. **10**
b) What are software risks ? List and discuss different types of software risks. **10**
c) With neat diagram, explain system engineering Hierarchy. **10**

UNIT - III

3. a) Draw and explain in detail analysis model. **10**
b) Explain FAST & it's importance in requirement analysis. **10**
c) Discuss software analysis principles. **10**

UNIT - IV

4. a) Write a short note on. 10
- i) Cohesion.
- ii) Compiling.
- b) List & discuss the s/w design concepts. 10
- c) Draw & explain in detail design model. 10

UNIT - V

5. a) Explain in detail unit testing and integration testing. 10
- b) Discuss Black - Box & white box testing approaches. 10
- c) Draw use case diagram of sequence diagram for all scenarios of ATM system. 10
