

L-7/2111

13137/NB

3rd Semester

Subject : Software Engineering

Paper : MS-213

Marks : 70

Time : 3 hrs

Note : (i) Attempt two questions each from Section A and Section B. Each question carry 10.5 marks.
(ii) Attempt all parts from Section C. Each part carries 4 marks

Section A

1. What is the goal of software engineering? What is the role of software engineer?
2. Explain the working of waterfall model.
3. What is the purpose of DFD? Construct a DFD for student registration system. Make assumptions about various entities and functionalities.
4. Give the importance of coupling-cohesion criteria in product design.

Section B

5. What is the need of programming standards and guidelines? Discuss.
6. Give features of object-oriented testing.
7. Write a note on different maintenance techniques.
8. What is reverse engineering? How it is carried out?

Section C

9. Attempt all parts
 - (i) What are components of SRS?
 - (ii) Define term verification.
 - (iii) Differentiate between association and aggregation.
 - (iv) Define Equivalence class.
 - (v) What are CASE tools?
 - (vi) What are non-functional requirements?
 - (vii) What are various quality attributes?