

SECTION-A

1. How Iterative Waterfall model of software development overcomes the limitations of Iterative Model ? 15
2. Define Metric. How it is different from Measurement ? Explain Size-Oriented Function Point metrics with suitable example. 15

SECTION-B

3. Define the following concepts using suitable example :
 - (a) Problem Analysis
 - (b) Data Flow Diagram. $2 \times 7.5 = 15$
4. Explain the following concepts during planning of a software project :
 - (a) Effort estimation using COCOMO Model
 - (b) Rayleigh Curve. $2 \times 7.5 = 15$

SECTION-C

5. Explain the concept of Structured Programming in detail using suitable example. 15
6. (a) What are the various levels of Testing ? Discuss. 7
(b) Differentiate between Functional Testing and Structural Testing. 8

SECTION-D

7. Why the need exists for System Maintenance ? Illustrate different types of software maintenance using suitable examples. 15
8. How Reverse Engineering helps in Software Maintenance ? Explain. 15