2020

COMPUTER APPLICATION

Course - 54

(Software Engineering)

Full Marks : 50 Time : Two Hours

Answer question **no.-1** and any ***four*** from the rest.

1. Answer any five questions: 2x5=10

   a) What is the relation between cohesion and coupling?
   b) What is sliding window planning?
   c) What do you mean by SDLC?
   d) How do we make Meta model as Waterfall model?
   e) Discuss the advantages of Prototyping model.
   f) What is stress testing?
   g) What are the objective of formal technique review?

2. (a) Differentiate among basic COCOMO model, intermediate COCOMO model, and complete COCOMO model.

   (b) Write the disadvantages of Classical waterfall model. 6+4=10

3. Draw a DFD upto level 2 for library management system. 10

4. What are the different types of Software Testing? Explain briefly. 4+6=10

5. What is Software requirement specifications (SRS)? Why it is required? Write the characteristics of a good SRS. 3+3+4=10

6. Explain spiral model with its advantages and disadvantages. 5+5=10

7. Write short notes on the following (any two): 5x2=10

   (a) Data flow diagram (DFD)

   (b) Software Quality Assurance

   (c) Software Maintenance

   (d) Data Dictionary