

Software Engineering (BS-302)

Note : Section “A” is compulsory. Attempt any four questions from section “B”

Section – A**(2x10= 20)**

1. a) What is a Prototype ?
- b) Explain what is reusability ?
- c) What is a Parallel Run ?
- d) Define a software Metric.
- e) White Box testing vs. Black Box testing.
- f) What is a data flow diagram ?
- g) Give examples of product metrics.
- h) What is PERT?
- i) What is Risk migration ?
- j) What do you mean by software coupling ?

Section – B**(4x10 = 40)**

2. Explain Waterfall Model in detail.
3. a) Draw a DFD to calculate an Employee’s Salary in an organization .
- b) Explain Top Down Design and Bottom Up Design.
4. Discuss in detail various steps of testing.
5. What is Risk. Explain Risk management plans.
6. Write in brief about various project scheduling techniques.
7. Write notes on any two :
 - (i) COCOMO
 - (ii) GQM approach
 - (iii) Error Tracking.

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