Level: Bachelor   Semester: Fall   Year : 2023

Programme: BE   Full Marks:100

Course: Software Project Management   Pass Marks: 45

Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Recent flood in Nepal had very devastating effect. If you have been asked to develop a software project. What would be your plan, methodology and process in developing it? What are its constraints? How would you deal it?   10

   b) Define conventional software management. How is it differ from modern software management? Explain it with example.   5

2. a) List down the basic parameters required for software cost model. Explain any two basic parameters briefly.   8

   b) Explain model based software Architecture.   7

3. a) What is WBS and Why is it essential in Project Management? Explain with an example.   8

   b) Explain different Conventional Software Management Principles.   7

4. a) What are the different Artifact Sets? Describe them with their purpose and notation.   7

   b) Explain Line of Business Organization with different Roles and Responsibilities.   8

5. a) What are the different tools and components needed to automate the software development process? Explain with neat sketch.   8

   b) What are the three different aspects of software architecture? Describe.   7

6. a) Explain the reasons behind the following assertion: "Adding more manpower to a late project makes it later".

   b) Explain the Next-Generation Cost Models with their advantages and disadvantages.

7. Write short notes on: (**Any two**)   2×5
   a) Cost and Schedule Estimating process
   b) Seven Core metrics
   c) Iterative Process Planning