

(2½ hours)

Total Marks: 75

- N. B.: (1) All questions are compulsory.  
 (2) Make suitable assumptions wherever necessary and state the assumptions made.  
 (3) Answers to the same question must be written together.  
 (4) Numbers to the right indicate marks.  
 (5) Draw neat labeled diagrams wherever necessary.  
 (6) Use of Non-programmable calculators is allowed.

1. Attempt any two of the following:

- What are the factors that can be abstracted with software economics? Explain in detail.
- What is customization of component & compare them with commercial components.
- How do we partition the process perspectives? Explain them in brief.
- Compare the three generations of software development.

2. Attempt any two of the following:

- "Management set artifacts associated with process planning & execution" justify the statement. 10
- Write a short note on test artifacts.
- Explain the technical perspective of software architecture.
- Why do we call the requirements set the primary engineering content? Explain.

3. Attempt any two of the following:

- Write a short note on realistic planning. 10
- How do you classify the joint management reviews? Explain about minor milestones in detail.
- Explain the concept of interaction work flow in detail.
- How to create a tailor-made WBS? Discuss the ways and means.

4. Attempt any two of the following:

- Explain about Project Software Standards. 10
- What are the key points that software architecture team should focus on? Explain their roles, artifacts and responsibilities.
- Why the process is to be automated? Explain the reasons and the three levels of automation.
- Why the tools are considered as the core components in the process automation? Explain.

5. Attempt any two of the following:

- Explain the three management indicators' metrics in detail. 10
- Write a short note on pragmatic software metrics.
- Enlist the factors of tailoring a software process framework. Explain any of the 4 factors in detail.
- Explain about small scale and large scale projects.

6. Attempt any two of the following:

- Enlist the various principles of modern project management. 10
- Explain the best practices listed it out by "Airline Software Council".
- Analyze the future perspective of cost estimation model.
- Write a short note on the process of denouement.

7. Attempt any three of the following:

- "Late design and integration is one of the biggest drawbacks of waterfall model". Explain the statement. 15
- Write a short note on pragmatic artifacts.
- Explain the two perspectives through which project plans need to be derived.
- Explain the nature of project-team members and their profiles.
- Explain the two dimensions of process discriminate with neat diagram.
- Explain the difference between problem spaces versus solution space with