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Total Pages: 03

BT-7/D-18

37211

SOFTWARE PROJECT MANAGEMENT IT-423N

Time: Three Hours] [Maximum Marks: 75]

Note: Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

- 1. (a) Why software economics is quite useful for conventional software management?
 - (b) Discuss different software processes which are involved and their role to build effective software system.
- 2. (a) What type of automation can be done through software environment? Justify with a suitable example.
 - (b) Explain the principles of modern software management.

Unit II

| 3. | Define software engineering artifacts. Explain the rol | e of |
|----|--|-------|
| | management artifacts, engineering artifacts and pragn | ıatic |
| | artifacts to design cost effective software process. | 8,7 |
| 4 | Discuss de Cileria de Como | |

- 4. Discuss the following software management process:
 - (i) Workflows of the process 8
 - (ii) Checkpoint of the process. 7

Unit III

- 5. (a) Discuss the role of process automation and process discriminates in controlling software process management.
 - (b) Why the elaboration, construction and training phase are the important processes in software process. 7
- 6. (a) Why the project control and process instrumentation core metrics are essentials for managing software project? Explain with the help of suitable process flow mechanism of any real time software project.
 - (b) Explain the role of life-cycle expectations in software management.5

10

Unit IV

| 7. | Write | down | the | short | notes | on | the following |
|----|-------|------|-----|-------|-------|----|---------------|
|----|-------|------|-----|-------|-------|----|---------------|

| | • | |
|-------|-------------------------|---|
| (i) | Life-cycle expectations | 5 |
| (ii) | Earned value analysis | 5 |
| (iii) | ROI. | 5 |

8. Discuss the accurate framework which may be involved for project management and control. Mention their processes and related mechanisms.

