

III B. Tech II Semester Supplementary Examinations, November - 2019**SOFTWARE ENGINEERING**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

 Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
2. Answering the question in **Part-A** is compulsory3. Answer any **THREE** Questions from **Part-B**

PART-A**(22 Marks)**

1. a) What are the challenges in software? [4M]
- b) Write short note on requirements specification. [3M]
- c) Explain the steps in OOAD. [4M]
- d) State the objectives and guidelines for debugging. [3M]
- e) Explain briefly about software configuration management. [4M]
- f) What are the maintenance process models? [4M]

PART-B**(48 Marks)**

2. a) Define software engineering. What are the challenges of software engineering? [8M]
- b) Explain about evaluation of software engineering methodologies. [8M]
3. a) What are software requirements? How to analyze the requirements? [8M]
- b) What is Structured analysis? Explain the operational steps for software design. [8M]
4. a) Explain the concept of transform versus transaction analysis. [8M]
- b) Briefly Explain Software design process. [8M]
5. What is testing? Explain the different levels of testing. [16M]
6. a) Explain briefly about project management in detail. [8M]
- b) Briefly explain software configuration management. [8M]
7. a) List and explain the various software quality factors. [8M]
- b) What is software maintenance? Explain in detail. [8M]
