

Government College of Engineering, Aurangabad
(An Autonomous Institute of Government of Maharashtra)

B.E. (ETC) Old Examination

End semester Examination November 2016

ET- 405(iii): SOFTWARE ENGINEERING

Time: Three Hours

Max. Marks: 60

12.3.NOV.2016

“Verify the course code and check whether you have got the correct question paper”

N.B.:-

- Attempt ALL questions
- Figures to the right indicates full marks
- Assume suitable data if necessary and state it clearly
- Use of non-programmable calculator is allowed

I Attempt any two of the following

(6+6=12)

- A What are the different Agile process models? Explain any one in detail.
- B Which are the different Modeling principles used in software engineering?
- C Write short note detail basic principles of testing.

II Attempt any two of the following

(6+6=12)

- A Describe in detail Waterfall Model.
- B Explain in detail Communication principles used in software engineering
- C Explain pattern software design in brief.

III Attempt any two of the following

(6+6=12)

- A Write short note Planning principles used in software engineering.
- B Explain black box and white box testing in detail.
- C Write short note Software Quality Assurance (SQA) activities in brief.

IV Attempt any two of the following

(6+6=12)

- A With reference to data oriented design explain in detail
1. Pattern 2. Modularity.
- B Explain the following Management Spectrum
1. Process 2. Project.
- C What are different Planning principles used in software engineering.

V Attempt any two of the following

(6+6=12)

- A Explain in detail Capability Maturity Model Integration (CMMI).
- B With reference to data oriented design explain in detail
1. Abstraction 2. Architecture.
- C Write short note on unit testing in brief.