

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

TEIT (ALL) Examination

End Semester Examination November 2016

IT-343: SOFTWARE ENGINEERING & TESTING

Time: Three Hours

17 . NOV 2016

Max. Marks: 60

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

N.B.:-

1. All Questions are Compulsory
2. Figure to the right indicates full marks
3. Assume suitable data if necessary and state it clearly
4. Use of non-programmable calculator is allowed

Q1. Attempt any two of the following (12)

- a) Describe in detail requirement engineering.
- b) Illustrate waterfall and incremental model with advantages and disadvantages.
- c) Demonstrate function point analysis.

Q2. Attempt any two of the following (12)

- a) Explain use case diagram with any one use case.
- b) Summarize all levels of DFD with one example.
- c) Explain the flow of analysis model to software design model.

Q3. Attempt all of the following (12)

- a) Illustrate needs and objectives of software testing with VV model.
- b) Define web, load, and integration testing.

Q4. Attempt any two of the following (12)

- a) Examine white box testing and black box testing.
- b) Write a short note on boundary value analysis.
- c) Describe characteristics of win runner, load runner & selenium IDE.

Q5. Attempt any two of the following (12)

- a) Demonstrate the terms defect analysis and tracking workflow.
- b) Illustrate estimation of maintenance costs and its models.
- c) Demonstrate the terms software reengineering and reverse engineering.