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B.Tech. Degree VI Semester Examination April 2018

IT 15 – 1606 (E4) SOFTWARE QUALITY AND TESTING (2015 Scheme)

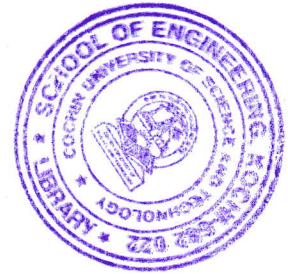
Time : 3 Hours

Maximum Marks : 60

PART A (Answer *ALL* questions)

(10 × 2 = 20)

- I. (a) Define the term validation.
- (b) Explain ancillary functionality.
- (c) Differentiate quality and reliability.
- (d) Write brief notes on Intuitive testing and process driven testing.
- (e) Explain the role of quality assurance department.
- (f) What is usability testing? Explain its two phases.
- (g) What is regression testing?
- (h) Define acceptance testing.
- (i) List the types of test metrics.
- (j) What is automated software testing?



PART B

(4 × 10 = 40)

- II. Explain four dimensions of quality.
- OR**
- III. Discuss product quality features from a white box standpoint.
- IV. Write notes on:
 - (i) Independent walkthroughs.
 - (ii) Guided walkthroughs.
- OR**
- V. Explain various inspections in software quality assurance.
- VI. Explain any two software development life cycle models.
- OR**
- VII. Discuss various methodologies of performance testing.
- VIII. Explain progress metrics.
- OR**
- IX. List the common people issues in testing.
