



ELECTIVE - II
Software Testing & quality Assurance
(1101)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Answers **any five** questions.
5. All questions carry equal marks.

1. a) What is the importance of product anomaly report and product incident report ? What are the rules used to identify the bugs ? **10**
b) What are the goals of software tester ? Why software testers are required to be creative and tactful ? What is role of judgement factor in software testing ? **10**
2. a) What are the elements of software products ? What are problems associated with customer requirements ? How product features can be identified ? **10**
b) Why software testing is considered as disciplined technical profession ? Why software testers are not popular as project team members. **10**
3. a) What are steps in performing high level review of the specification? What is the importance of complexity and festability in review ? **10**
b) How boundary conditions can be identified ? What are the types of boundary conditions ? What are the merits of boundary value analysis ? **10**
4. a) What is the objective of white box testing ? Why while box testing is referred as static analysis ? What's the difference between dynamic white box testing and debugging ? **10**

- b) Why functionality tests are performed ? What are the types of functionality test ? **10**
5. a) What is Buffer overrun problem ? What are safe string functions ? What is impact of computer forensics ? **10**
- b) What is meant by flexibility and comfortable user interface ? Why correctness is an important aspect of user interface ? **10**
6. a) What is difference between tool and automation ? Explain the attributes of tools and automation. Name a few benefits of using software test tools and automation. **10**
- b) What are four types of disabilities that could affect software usability ? Explain accessibility features in software development. **10**
7. a) What is test sharing ? Why Beta testing is performed ? What are the cautions to be taken while performing beta testing ? **10**
- b) What are the fundamentals principles for reporting a bug ? What is meant by singular and general bugs ? **10**
8. a) What is meant by quality ? What is the relationship between testing and quality assurance ? What is mean by quality control ? **10**
- b) What are the problems in quality management from product perspectives ? Why quality should be addressed in iterative manner ? **10**
