

Exam. Code : 110005

Subject Code : 2658

Bachelor of Vocation (Web Technology & Multimedia)

5th Semester

SOFTWARE TESTING & QUALITY ASSURANCE

Paper—504

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt any *five* questions. All questions carry equal marks. Students can use only non-programmable and non-storage type calculator.

1. Elaborate the Spiral model of software development in brief giving its merits and demerits. 10
2. Differentiate between quality control and quality assurance. What is meant by Software Quality Assurance (SQA) ? What activities are performed under SQA ? Discuss in detail. 10
3. What is Software Quality ? How software quality can be measured ? Describe the maturity levels of Capability Maturity Model. 10
4. What is sigma and six sigma ? What are the levels of six sigma ? Discuss six sigma methodology and management in detail. 10

5. What is the difference between black box testing and white box testing ? Discuss two methods of white box testing in detail. 10
6. Define software reliability. Explain the significance of bath tube curve of reliability with the help of diagram. 10
7. What do you mean by object oriented testing ? What are various issues in object oriented testing ? Discuss in detail. 10
8. Discuss the following in brief :
 - (a) Testing client/server systems 5
 - (b) Testing web based systems. 5