

Exam. Code : 110005

Subject Code : 2647

Bachelor of Vocation (Web Technology & Multimedia)

5th Semester

SOFTWARE TESTING & QUALITY ASSURANCE

Paper—504

Time Allowed—Three 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. What do you mean by Project Management Process ?
Elaborate its various phases. 10
2. What is Software Quality ? How software quality can be measured ? Describe the maturity levels of Capability Maturity Model. 10
3. What do you mean by Total Quality Management ?
Elaborate. 10
4. Differentiate between software verification and validation. List various methods of verification and validation. Explain any one method of each in detail. 10

5. Differentiate between functional testing and structural testing. Discuss any two methods of functional testing in detail. 10
6. What do you mean by debugging ? What is debugging process ? What are various debugging strategies ? Discuss in detail. 10
7. What do you mean by object oriented testing ? Elaborate random testing and partition testing for classes. 10
8. Discuss the following in detail :—
 - (a) Testing in multiplatform environment 5
 - (b) Testing for real time system. 5