

Q.P. Code: 25401**Total Marks: 80****(3 Hours)**

- N.B. :**
- 1) Question No.1 is **compulsory**.
 - 2) Attempt any **three** from the remaining five questions.
 - 3) Answer to sub-questions should be grouped together.

1. (a) ISO 9126 Quality characteristics? **(05)**
(b) What is testing? How is debugging different from testing? **(05)**
(c) Explain the Five Views of Software Quality. **(05)**
(d) Explain the V Model. **(05)**
2. (a) Explain statement coverage and path coverage with the example? **(10)**
(b) What is mean by review? Explain different work steps involved in review process? **(10)**
3. (a) What is Incident Management? Explain Incident reporting and Incident Status Model in detail? **(10)**
(b) Explain the General Principles of testing? **(10)**
4. (a) What are the different test tool selection criteria? Give steps required to select a tool? **(10)**
(b) Explain cause effect graphing and decision table technique with suitable example? **(10)**
5. (a) Draw and Explain the Architecture for test Automation? **(10)**
(b) Explain the test objectives, test environment and test strategies for unit testing **(10)**
6. Write short notes on (any four) **(20)**
 - (a) OO testing.
 - (b) ISO 9000:2000 Principles (any 5 principles)
 - (c) Regression testing
 - (d) Data flow anomaly
 - (e) Use case testing.