POKHARA UNIVERSITY

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) List out the significance of testing. Describe with examples about the testing principles. — 7

   b) Explain about the fundamental testing processes in detail. — 8

2. a) Differentiate between verification and validation. Explain about the importance of walk through, Inspections and Audit in software verification. — 8

   b) What are the various approaches to software validation? Explain how do you validate your software design. — 7

3. a) What do you mean by functional testing and non-functional testing? Explain different types of testing with examples of each other — 8

   b) What are the impacts of static and dynamic testing? Explain some static analysis tools. — 7

4. a) "Static techniques find causes of failures." Justify it. What are the success factors for review? — 7

   b) Whose duty is it to prepare left side of V model and who prepares right side of V model and how it contributes to software quality — 8

5. a) What are internal and external factors that impact the decision for test technique? — 7

   b) List out test planning and estimation activities? Distinguish between entry criteria against exit criteria — 8

6. a) Do you think management can save money by not keeping test specialists? How does it impact the delivery deadlines and revenue collection? — 7

b) Assume yourself as a Test Leader, in your opinion, what should be considered before introducing a tool into your enterprise? What are the things that need to care for in order to produce a quality product? 8

7. Write short notes on: (**Any two**) 2×5
   a) Scribe
   b) Testing methods for web app
   c) ISO