

POKHARA UNIVERSITY

Level: Bachelor Semester: Spring Year : 2018
Programme: BE Full Marks: 100
Course: Software Testing Verification Validation Pass Marks: 45
and Quality Assurance Time : 3hrs.

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) "The roles of developers and testers are different" Justify Your answer. 8
b) What is the significance of software testing? Detail out the testing principles. 7
2. a) How is software verification carried out? Is audit different from inspection? Explain. 7
b) What are various approaches for validating any software product? Mention with categories of product. 8
3. a) Differentiate between Functional, Non-functional testing and regression Testing. 7
b) In what ways, static technique is important and necessary in testing of any project? Explain 8
4. a) What is the criteria of selecting a particular test technique for a software? Highlight the difference between structured based and specification based testing. 8
b) What kind of testing is performed when you have deadline approaching near and you have not tested anything? Explain the importance of such testing. 7
5. a) How is Entry Criteria different than Exit Criteria? Justify. 8
b) How is any project's test progress monitored, reported and controlled? Explain its flow. 7
6. a) "Introducing a new testing tool to a company may bring Chaos". What should be considered by the management before introducing such tools to an organization? Support your answer taking scenario of any local level Company. 8

- b) Differentiate between web app testing and mobile app testing. 7
7. Write short notes on: (Any two) 2×5
- a) Scope of Software testing in Nepal.
 - b) ISO
 - c) Test planning activities