

# POKHARA UNIVERSITY

Level: Bachelor  
Programme: BE  
Course: Software Project Management

Semester: Fall

Year : 2017  
Full Marks: 100  
Pass Marks: 45  
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) What is Software Project Management? Explain the different challenges and its solution as a project manager 8  
b) How plans, methods and methodologies differ from each other? 7
2. a) Explain the important of software economics. Explain the imperial relationship between software economics parameters. 8  
b) Explain the purpose of life cycle phase with an example. 7
3. a) Define a checkpoint. Write any two advantages of function point analysis. Define change control. 8  
b) What is the purpose of workflow? Explain seven top-level workflows. 7
4. a) Explain the various element of the software process with suitable example. 8  
b) Why is it necessary for a project manager to decompose the tasks of a project using Work Breakdown Structure (WBS)? To what granularity level the tasks are decomposed. Explain your answer. 7
5. a) Explain the features of default project organization and responsibilities. 8  
b) Explain Process automation tools briefly. 7
6. a) What is risk management? How the risks is evaluated in software projects? 7  
b) Explain in brief about four quality metrics used in managing a modern software process. 8
7. Write short notes on: (**Any two**) 2x5
  - a) Status monitoring
  - b) Next-generation cost model
  - c) Process customization