POKHARA UNIVERSITY

Level: Bachelor Semester: Spring Year   : 2019
Programme: BE   Full Marks: 100
Course: Software Project Management 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) Describe the relationship among scope, schedule, and budget. What are   8
      the different roles and skill sets needed for a project?

   b) Explain what are the motivators factors identified for project?   7

2. a) Describe the five project management processes and how they support   7
      each phase of the project life cycle.

   b) What skills or qualities are important in selecting a project team?   8

3. a) Describe the balanced matrix, functional matrix and project matrix   8
      organizational structures.

   b) What are the principal of Modern Software Management?   7

4. a) What is the difference between a deliverable and a milestone? How can   8
      function point analysis be used to help manage scope creep?

   b) Why is it necessary to plan software projects? What are the broad   7
      activities that encompass software project planning? List the step
      involved in detailed planning.

5. a) Describe bottom-up estimating. What are some advantages and   7
      disadvantages of bottom-up estimating?

   b) What is software baseline and its significance? Describe various   8
      baselines.

OR

What are the parameters for status monitoring of software projects?

6. a) What is function point? What advantages do function points have over   8
      counting lines of code?

   b) What are the artifacts sets? Describe their purpose and notations.   7

7. Write short notes on: (**Any two**)   2×5

   a) Advantages of spiral model

   b) Iterative process planning

   c) Process automation tools