

TRIBHUVAN UNIVERSITY
FACULTY OF MANAGEMENT

Office of the Dean

April 2021

Full Marks: 40

Pass Marks: 18

Time: 2 hrs.

BIM / Eighth Semester / IT 306: Software Project Management

Candidates are required to answer all the questions in their own words as far as practicable.

Group "A"

1. Brief Answer Questions:

[10 × 1 = 10]

- i. What is the limitations of agile development? ✓
- ii. What do you mean by Statement of Work in Project Planning? ✓
- iii. What is the importance of Risk assessment? ✓
- iv. List out the basic requirement for wideband Delphi estimation.
- v. Differentiate between PROBE and COCOMO. ✓
- vi. List out the different types of task dependency. ✓
- vii. Define team. ✓
- viii. What are the attributes involved in Code Review Checklist? ✓
- ix. What is Pair Programming? ✓
- x. What are the different ways of requirement elicitations? ✓

Group "B"

Exercise Problems:

[5 × 4 = 20]

2. What is refactoring? Explain any three techniques of refactoring.
3. Draw a precedence network diagram by performing forward and backward passes. Also determine the critical path and completion date of the project. (Use the information given in the table)

Task	Precedents	Duration (Weeks)
A	--	20
B	A	40
C	A	20
D	C, B	30
E	C	10
F	D, E	30
G	E	10
H	F, G	10

4. Explain evaluation estimation problem with example.
5. Suppose you are managing a software development project. The project is expected to be completed in 10 months at a cost of Rs 50,000 per month. After 4-months, you realize that the project is 45 percent completed at a cost of Rs 200,000. You need to determine whether the project is on-time and on budget after 4-month?
6. Explain the process of software project acquisition form external sources.

Group "C"

Comprehensive Questions:

[2 × 5 = 10]

7. Define software project acquisition. Explain the difference between Ad Hoc approach and Process Driven approach.
8. Create a list of Functional as well as Non-functional Requirements for any software you would like to consider.

