TRIBHUVAN UNIVERSITY

FACULTY OF MANAGEMENT

Office of the Dean

2015

Full Marks: 40

Time: 2 hrs.

BIM / Sixth Semester / ITC 225: Software Engineering

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

Group "A"

1. *Brief Answer Questions:* [10 × 1 = 10]

    i.   What is software engineering?

    ii.   Differentiate between module and system.

    iii. What do you mean by system modeling?

    iv.   Define exploratory development.

    v.   What is modular decomposition?

    vi.   What is quality planning?

    vii. Why call return model is not applicable for real time system?

    viii. List the activities of software measurement process.

    ix.   What is ethnography?

    x.   Explain pricing to win technique for software cost estimation.

Group "B"

Short Answer Questions: [5 × 3 = 15]

2. Explain software procurement process.

3. Explain non functional requirements and their types.

4. Explain sprint and backlog.

5. Explain inspection process.

6. Explain COCOMO model in brief.

Group "C"

Long Answer Questions: [3 × 5 = 15]

7. What are bar chart and activity network? Give an example to show use of bar chart or activity network diagram.

8. What are the external and internal attributes of software? Why understanding of both attributes important?

9. Explain risk and risk management process with diagram.

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