

**Mid-West University**  
**Examinations Management Office**  
**End Semester Examinations -2080**

Bachelor level/ B.Sc CSIT / 6<sup>th</sup> Semester

Time: 3 hours

**Subject: Software Engineering (COM462)**

Full Marks: 60

Pass Marks: 30

*Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.*

**Group A**

**Long Answer Questions (Any Three)**

[3x8=24]

- 1) Do you agree "agile software development methodology is better than traditional software development methodology"? Justify your arguments with example.
- 2) What is process? Explain various software process models.
- 3) Write short note on:
  - a) Critical system validation
  - b) Project schedule representation
  - c) Risk management
- 4) Why cleanroom software development is considered more theoretical? Explain software testing strategy with appropriate diagram.

**Group B**

**Short Answer Questions (Any Five)**

[5x4=20]

- 5) How software system help organization for its success? Explain with example.
- 6) What is done in project planning?
- 7) Why waterfall model is not suitable for changing environment? Explain with example.
- 8) Differentiate between manual testing and automation testing process.
- 9) Write short note on:
  - a) Data flow model
  - b) White box testing
- 10) What is architectural design? State and explain various goals of architectural design.

**Group C**

**Very Short Answer Questions**

[8x2=16]

- 11) Define software.
- 12) What is software reserve engineering?
- 13) Define testing according to ANSI/IEEE.
- 14) What is project management?
- 15) Define object-oriented design of software.
- 16) What is prototype?
- 17) What is UI?
- 18) What do you mean by module?

**THE END**