

Mid-West University
Examinations Management Office

End Semester Examinations 2081

Bachelor level/ B.E. Computer/ 6th Semester

Time: 1.5 hours

Subject: Engineering Professional Practice (CE461/CE502)

Full Marks: 25

Pass Marks: 12.5

- *Attempt all the questions*
- *Figures in the margin indicate full marks.*
- *Assume suitable values, with a stipulation, if necessary.*
- *Candidates are required to answer the questions in their own words as far as possible.*

1. a) Why Engineering Professional Practice (EPP) is necessary to an engineer? [1+3]
Explain the positive and negative impacts of technology on society.
b) Define profession? Why professions are found loosing professionalism? Explain. [0.5+2.5]
2. a) Define contract. What are the Types of Contract? Explain. [1+3]
b) Write the codes and conducts for professional engineering practice in Nepal. [4]
3. a) Write short notes: (i) impacts of E-waste (ii) Liability and Negligence [2+2]
b) A group of final-year computer engineering students at Mid-West University [6]
developed an AI-powered scheduling algorithm as part of their project. The algorithm was designed to optimize resource allocation for large-scale computing tasks, such as cloud server management. Their work gained significant attention after they presented it at an international tech conference. After graduation, one of the team members, Bimal, filed for a patent on the algorithm without informing the others. He launched a startup, Task Optimize Inc., using the patented technology, and the company quickly attracted venture capital. Meanwhile, the other team members discovered Bimal's actions and claimed joint ownership of the algorithm, arguing that it was a collaborative project. If you were Bimal, how would you handle this situation?

The End