

TRIBHUVAN UNIVERSITY
INSTITUTE OF ENGINEERING
Examination Control Division
2081 Chaitra

Exam.	Regular (New Course)		
Level	BE	Full Marks	30
Programme	BCE	Pass Marks	12
Year / Part	II / I	Time	1½ hrs.

Subject: - Computer Aided Civil Drawing (ENCE 204)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.



1. Define computer aided design & drafting. List out the advantage & disadvantage of CADD in civil engineering. [3]
2. Write specific use of 3D drawings in engineering and list out common 3D, CADD software. [2]
3. Explain the steps to change units and scales for a drawing in AutoCAD. [2]
4. What are layers and blocks in AutoCAD? Explain how do you use block and layers while drafting. [3]
5. Write the steps to set up a new dimension style in AutoCAD. [2]
6. Write steps to create different types of Array in AutoCAD. [2]
7. Sketch a typical location map and site plan with detail information to be included. [4]
8. List the uses of SW-DTM. [2]
9. Sketch and label a typical canal section in complete cut. [2]
10. Sketch and label a typical hill road section in partial cut and fill. [2]
11. List out the drawings to be included in municipal architectural drawings. [2]
12. How is BIM different from traditional CAD-based drafting? [2]
13. What is common data environment? Write its advantages. [2]
