

2E3208

ROLL NO.

2E3208

**B.Tech. II Sem (Main) Examination, July - 2022**  
**2FY3-09 Basic Civil Engineering**

Time : 3 Hours

Maximum Marks : 70

*Attempt all Ten questions from Part A, Five questions out of Seven questions from Part B and Three questions out of Five questions from Part C.*

*Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/ calculated must be stated clearly.*

*Use of following supporting material is permitted during examination. (Mentioned in form No. 205).*

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**PART - A**

**(Answer should be given up to 25 words only)**

**ALL questions are compulsory.**

**(10×2=20)**

1. Write the scope of Civil Engineering.
2. Define plan and Maps in survey.
3. Explain the object of levelling.
4. Describe solid waste and its types.
5. Explain principles of surveying.
6. What are the various types of Buildings.
7. Describe various modes of transportation in brief.
8. Write down harmful effects of Air Pollution.
9. Define contour maps.
10. Explain Bio diversity.

## PART - B

(Analytical/Problem solving questions)

Attempt any Five questions:

1. Explain various types of tapes used in survey.
2. Describe Impact of Infrastructural development on economy of country.
3. Convert the whole circle bearing into quadrantal bearing.

- a) OA  $32^\circ$
- b) OB  $109^\circ$
- c) OC  $211^\circ$
- d) OD  $303^\circ$

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4. Explain in brief the procedure of ranging survey line.
5. Describe in brief various components of buildings.
6. Explain in short various types of foundations with neat sketch.
7. Describe Rain Water Harvesting.

## PART - C

(Descriptive/Analytical/Problem Solving/Design questions)

Attempt any Three questions:

1. Describe various types of tape corrections in survey.
2. Describe various causes of Road Accidents and what safety measures will take to avoid Road Accidents.
3. Explain hydrological cycle with neat sketch.
4. Write short note on sanitary land fill.
5. Describe in brief treatment of waste water.