



Roll No. 22GHJL5049

GLOBAL INSTITUTE OF TECHNOLOGY
B. Tech. I Semester, II Midterm Exam 2023
1FY3-09/Basic Civil Engineering

(For section A&B)

04-03-2023/Saturday

Time: 3 Hours

Maximum Marks: 70

Attempt all questions

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. **no supplementary sheet shall be issued in any case.**

Part A (Answer should be given up to 25 words only)

All questions are compulsory

10x 2 = 20

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| Q.1 Explain the term Plinth area and Carpet area. | [CO3] |
| Q.2 Define solid waste and enumerate its type. | [CO5] |
| Q.3 Enumerate various environment acts. | [CO5] |
| Q.4 Draw any four traffic sign. | [CO4] |
| Q.5 What do you understand by FSI. | [CO3] |
| Q.6 Draw a neat & clean diagram of nitrogen cycle. | [CO5] |
| Q.7 What do you mean by RCC, where it is used. | [CO4] |
| Q.8 Enumerate various building bye laws. | [CO5] |
| Q.9 What do you mean by sanitary land fill. | [CO5] |
| Q.10 Define biodiversity and Ecosystem. | [CO5] |

Part B (Analytical/Problem solving questions)

Attempt all questions (word Limit 100)

5x4=20

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| Q.1 Write a short note on (a) Ozone depletion (b) Green house effect. | [CO5] |
| Q.2 Explain in short various type of foundations with neat sketch. | [CO3] |
| Q.3 Explain the types and characteristic of various mode of transportation. | [CO4] |
| Q.4 Describe collection, transportation and disposal of solid waste. | [CO4] |
| Q.5 How we Treat and Dispose the waste water. | [CO5] |

Part C (Descriptive/Analytical/Problem Solving/Design Question)

Attempt all questions

3x 10 =30

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| Q.1 What are various type of building, discuss various components of building along with their function. | [CO3] |
| Q2 Describe various causes of road accident and what safety measure will take to avoid road accident. | [CO4] |
| Q3 Discuss water pollution and Enlist various water quality standard. | [CO5] |