

COURSE CODE (3): **18 BIWCE334**

MAX. MARKS: 35

COURSE NAME: **SUSTAINABLE DEVELOPMENT**

COURSE INSTRUCTORS: AKHILESH GANDHI

MAX. TIME: 2 Hours

Note: All questions are compulsory. Marks are indicated against each question in square brackets.

- Q1. a) Define Green Buildings. (1.5 Mark)
b) What are the various features of green buildings? (2 Marks)
c) Explain in brief the various benefits of green buildings. (2 Marks)
d) Explain the LEED 40/60 rule for selecting the appropriate rating system for a project. (1.5 Marks)
e) Explain the GRIHA rating process in brief. (3 Marks)
- Q.2 a) What is the difference between Sustainability and Sustainable Development? (1.5 Marks)
b) Explain the framework for aligning the business strategy with Sustainable Development goals? (5 marks)
c) Briefly describe the Kyoto Protocol (1997)? (1.5 Marks)
d) Explain the I=PAT Equation for describing the impact of human lifestyle on earth? (2 marks)
- Q.3 a) Explain in detail any two Competitive Environment Strategies adopted by business firms to attain sustainability. (5 Marks)
b) Define corporate social responsibility. Briefly describe the history of Corporate Social Responsibility in India. (3 Marks)
- Q.4 a) What is the effect of COVID-19 on Climate Change? (3.5 Marks)
b) Explain the concept of Biodivercities? How will Biodivercities as a strategy for urbanization help in improving the sustainability parameters of cities. (3.5 Marks)