

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2023

B.Tech. -VIII Semester

COURSE CODE (CREDITS): 18B1WCE834 (3)

MAX. MARKS: 35

COURSE NAME: SUSTAINABLE DEVELOPMENT

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. TIME: 2 Hours

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

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Q1. Discuss about LEED India Rating System & Energy Efficiency in buildings. Write points about lighting in building in context with building envelope. (5 marks) [CO 5]

Q2. Define Environmental Impact Assessment. Write the objectives of EIA. Differentiate between ISO 14000 and ISO 9000. (5 marks) [CO 4]

Q3. What is Life Cycle Analysis? What are its different types? Explain any two of them.

(5 marks) [CO 3]

Q4. Discuss about sustainable materials each from –

1. Naturally occurring
2. Recycle and composite
3. Man-made

Also discuss about how these materials can be used in achieving sustainability at global level.

(5 marks) [CO 1,5]

Q5. Explain the concept of Solid Waste Management. Write about sub-themes of Environment indicators of Sustainable Development. (5 marks) [CO 2]

Q6. Write the salient features of Montreal protocol and Kyoto Protocol. Discuss in short about air pollutants coming from natural causes. (5 marks) [CO 2]

Q7. Write the objective of Environment Protection Act. Discuss about Quality Education and Climate Action in context with Sustainable Development Goals. (5 marks) [CO 1,2]