JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -3 EXAMINATION- 2024
B.Tech-VIII Semester

COURSE CODE (CREDITS): 18B1WCE834 (3)

COURSE NAME: SUSTAINABLE DEVELOPMENT

COURSE INSTRUCTORS: AKASH BHARDWAJ

MAX. MARKS: 35

MAX. TIME: 2 Hours

Note: (a) All questions are compulsory.

(b)Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q1. (a) What is Life Cycle Analysis? Explain its various types. (4 marks) [CO 3]

(b) Draw flow chart showing processes involved in LCA. (2 marks) [CO 3]

Q2. (a) Define EIA. What are its objectives? Write about impact prediction and assessment process in EIA. (4 marks) [CO 3,5]

(b) What is ISO 14000? Where it can be applied? Explain key components of EMS. (4 marks) [CO 3,5]

(c) Write about product oriented standards and its coverage. (3 marks) [CO 3]

Q3. (a) What are the various types of water pollution? Explain with examples. (3 marks) [CO 2]

(b) Define Bioaccumulation and Biomagnification. (2 marks) [CO 2]

(c) Explain about the processes for control of water pollution using chemical methods. (3 marks) [CO 2]

Q4. (a) Explain the use of Electrostatic precipitator in controlling Air pollution. (2 marks) [CO 2]

(b) Write short notes on UNCED 1992 conference. (2 marks) [CO 2]

Q5. (a) How an emission trading system works? Explain with figure and example. (2 marks) [CO 1]

(b) How SDG Quality Education plays an important role in Sustainable Development? (2 marks) [CO 1]

(c) Define Hazardous substance giving two examples as per EP act 1986. (2 marks) [CO 1]

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