

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B.Tech -VIII Semester

COURSE CODE (CREDITS): 18B1WCE834 (3)

MAX. MARKS: 15

COURSE NAME: Sustainable Development

COURSE INSTRUCTOR: Akash Bhardwaj

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

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

(c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	What is the Water–Energy–Food (WEF) Nexus? Explain with a figure. Why is it important for sustainable development?	CO 2	3
Q2	Discuss the ecological, economic, social and political effects of unsustainable practices.	CO 1	2
Q3	Describe the role of renewable energy in achieving SDG 7 and SDG 13 simultaneously.	CO 1	3
Q4	Describe any two major global environmental issues and explain how as an engineer we can contribute to manage them.	CO 2	3
Q5	Enlist any 10 SDGs. When and why they are formed? Explain any two with relevant examples.	CO 1	4