JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATIONS-2022

B.Tech-4th Semester (ECE)

COURSE CODE(CREDITS): Environmental studies (3)   MAX. MARKS: 35

COURSE NAME: 10B11GE411

COURSE INSTRUCTOR: Dr Hemant Sood   MAX. TIME: 2Hrs

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

Q1.   How you can generate and utilize the Hydro energy? How many types of Hydropower plants are established for the successful generation of energy? (CO1&2) (2.5 +2.5)

Q2.   Why do we need to evaluate BOD &COD? How their evaluation is carried out and what impact does this lay on the quality of water? (CO5) (2.5+2.5)

Q3.   How can firecrackers are causing pollution in the environment? Mention the complete mechanism of causing health hazards by different components? (CO4 &5) (2.5+2.5)

Q4.   How you can classify biodiversity specifically for species, genetics, and ecosystem? Mention details of categorization given by IUCN for tracking and preserving biodiversity at a global level. (CO3&CO4)(2.5 +2.5)

Q5.   How E-waste is treated by industries for safe disposal and extended usage? Explain any E-waste recycling process and products generated out of it. How do legislation and framework govern E-waste treatment in India? (CO4)(2.5+2.5)

Q6   Why laws for environmental protection is required along with awareness drives? Which laws are framed for noise and air pollution and what are their mandates? (CO6) (1.5+3.5)

Q7   How green buildings are designed and which different factors should be included for their sustainment? What are the pros and cons if all buildings are of the same format? (CO5&CO6) (2.5+2.5)