



MANIPAL INSTITUTE OF TECHNOLOGY
BENGALURU
(A constituent unit of MAHE, Manipal)

I SEMESTER B. TECH (PHYSICS)
IN SEMESTER EXAMINATION – I, JAN 2021
SUBJECT: ENVIRONMENTAL STUDIES (CIE_1052)
REVISED CREDIT SYSTEM

Time: 2pm-3.30pm

Date: 10/01/2021

MAX. MARKS: 20

Instructions:

- Answer all questions
 - Missing data, if any, may be assumed suitably.
 - Calculator is not allowed
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1. Fill in the blanks: 1x5= 5 Marks

- a. There are _____ methods to calculate GDP.
- b. Elinor Ostrom won Nobel prize in _____.
- c. Crop rotation is a method to _____.
- d. Wasteland can be converted to _____.
- e. Waste management technique that involves the use of organisms to remove or neutralize pollutants from a contaminated site is known as _____.

Answer the following questions: Each question carries 3 marks. 3x5= 15 Marks

2. Discuss the scope of the “tragedy of the commons” theory in environmental studies.
3. Define the term 'Sustainable development' and its relationship with environmental sustainability.
4. Discuss the methods to harness tidal and wave energy with diagrams.
5. How Arvari River was brought back into life?
6. With a neat sketch explain the concept of energy pyramids.