

B. Voc Automotive Mechatronics
Subject: Environmental Studies & Professional Ethics
Subject Code: ZBGE-201
Semester-3rd
Theory (External): 70
Time: 03 hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. **Section A** comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. **Section B** comprises 6 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number					

SECTION –A (OBJECTIVE TYPE QUESTIONS)

(10x2=20 Marks)

- Q1. What is different between renewable and non-renewable resources?
- Q2. Define ecosystem and its two major components?
- Q3. What is food chain and food web in an ecosystem?
- Q4. What is different between primary and secondary pollutants?
- Q5. Describe nuclear hazards.
- Q6. Write management ethics in brief.
- Q7. What is different between ISO 14001 and OHSAS 18001?
- Q8. What do you understand by one-point lesson?
- Q9. Write name of any two governance policies dealing with industries.
- Q10. Explain in brief the importance of environmental studies as a subject?

SECTION –B (ESSAY TYPE QUESTIONS)

(5x10=50 Marks)

- Q1. Explain different types of renewable energy sources along with their advantages and disadvantages. (10 marks).
- Q2. Explain different types of natural and artificial ecosystems(7+3marks).
- Q3. Explain various types of fire fighting equipments and other methods to control fire hazards in industries. (10 marks)
- Q4. Explain statutory requirement for industry by quoting relevant examples. (10 marks).
- Q5. Write elaborate notes on: (5+5 marks).
- a) Marine pollution
 - b) Thermal pollution
- Q6. Explain control methods of: (5+5 marks)
- a) Discrimination at work
 - b) Sexual harassment at work

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