

**SET-2**

Department of Humanities and Social Sciences  
National Institute of Technology: Tiruchirappalli-620015  
Semester Examination (online) – Dec. 2020,  
Subject Code& Name: HSIR 14 Professional Ethics

Answer all questions - Time 2 hours. Max. marks : 30, All questions carry equal marks

Instructions:

1. Illustrate your answers with neat sketches wherever necessary.
2. **Except question number**, don't write anything on the left side of margin.
3. Preferably, write the answers in sequential order.
4. Go for reasonably good hand writing.
5. Mention the **Set number** of the question paper on the **top of page 1** of your answer sheet.
6. Page no. shall be provided on the **top right corner** of each page. Scanning of answer sheets shall be done according to the page no. without any part of the page getting cut. Scanning of pages under adequate light is essential.

**Read the instructions first**

1	Where and how do moral problems arise in engineering? What is meant by professional responsibility and accountability?
2	One of the tests of integrity is complete refusal to be compromised. Explain with reference to a real life example.
3	Which ethical theory is the best in your view and why? Explain with an example.
4	What are the ethical issues that engineers face as they perform their functions.
5	Describe the Challenger disaster with the moral issues involved in taking the decision to launch the vehicle.
6	W.r.t. Engineers as responsible experimenters, explain the comprehensive perspective. Provide two suitable examples on this from your college life.
7	You are a chief engineer of a famous steel plant and in the time of recruitment you are pressurized by your closed subordinate to infuse their candidates. Put your views to handle this situation.
8	What are the different strategies of Risk Management.

<b>9</b>	<b>Explain the needs for ethical codes for professionals.</b>
<b>10</b>	<b>What is environment ethics? Explain its significance. Give details of some of the environmental issues of concern to engineers.</b>