

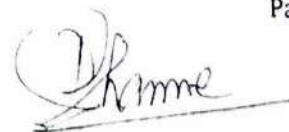
**I & II Semester**  
**Common to all branches of UG Engineering & Technology**

1FY1-05/ 2FY1-05: Human Values

Credit: 2  
2L+0T+0P

Max. Marks: 100 (IA:20, ETE:80)  
End Term Exam: 2 Hours

SN	CONTENTS	Hours
1	<p><b>Course Introduction - Need, Basic Guidelines, Content and Process for Value Education</b></p> <p>Understanding the need, basic guidelines, Self Exploration - its content and process; 'Natural Acceptance' and Experiential Validation, Continuous Happiness and Prosperity- Human Aspirations, Right understanding, Relationship and Physical Facilities, Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario.</p> <p>Method to fulfill the above human aspirations: understanding and living in harmony at various levels</p>	5
2	<p><b>Understanding Harmony in the Human Being - Harmony in Myself</b></p> <p>Understanding human being as a co-existence of the sentient 'I' and the material 'Body'</p> <p>Understanding the needs of Self ('I') and 'Body' - Sukh and Suvidha</p> <p>Understanding the Body as an instrument of 'I', Understanding the characteristics and activities of 'I' and harmony in 'I' Understanding the harmony of I with the Body: Sanyam and Swasthya; correct appraisal of Physical needs, meaning of Prosperity in detail, Programs to ensure Sanyam and Swasthya.</p>	5
3	<p><b>Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship</b></p> <p>Understanding harmony in the Family, Understanding values in human-human relationship; meaning of Nyaya and program for its fulfillment to ensure Ubhay-tripti; Trust (Vishwas) and Respect (Samman) , meaning of Vishwas; Difference between intention and competence, meaning of Samman, Difference between respect and differentiation;</p> <p>the other salient values in relationship, harmony in the society , Samadhan, Samridhi, Abhay, Sah-astitva as comprehensive Human Goals , Visualizing a universal harmonious order in society- Undivided Society (AkhandSamaj), Universal Order (SarvabhaumVyawastha )- from family to world family.</p>	5
4	<p><b>Understanding Harmony in the Nature and Existence - Whole existence as Coexistence</b></p> <p>Understanding the harmony in the Nature. Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self-regulation in nature. Understanding Existence as Co-existence</p>	5



	(Sah-astitva) of mutually interacting units in allpervasive Space. Holistic perception of harmony at all levels of existence	
<b>5</b>	<p><b>Implications of the above Holistic Understanding of Harmony on Professional Ethics. Natural acceptance of human values</b></p> <p>Definitiveness of Ethical Human Conduct. Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order. Competence in Professional Ethics: a) Ability to utilize the professional competence for augmenting universal human order,</p> <p>b) Ability to identify the scope and characteristics of people-friendly and eco-friendly production systems, technologies and management models. Strategy for transition from the present state to Universal Human Order: At the level of individual: as socially and ecologically responsible engineers, technologists and managers. Case studies related to values in professional life and individual life.</p>	<b>5</b>
	<b>TOTAL</b>	<b>25</b>





# RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Open Electives Syllabus

B. Tech.: IV Year- VII & VIII Semester

## 7AG6-60.2 : Environmental Engineering and Disaster Management

Credit: 3

Max. Marks: 150(IA:30, ETE:120)

3L+0T+0P

End Term Exam: 3 Hours

SN	Contents	Hours
1	Introduction: Objective, scope and outcome of the course. (This compulsory for all course )	01
2	Importance of safe water supply system. Domestic water requirements for urban and rural areas. Sources of Water supply. Intakes and transportation of water.	09
3	Drinking water quality. Indian Standards of drinking water. Introduction to water treatment for safe drinking, Importance of sanitation.	10
4	<i>Domestic waste water</i> : quantity, characteristics, disposal in urban and rural areas. Sewer: types, design discharge and hydraulic design. Introduction to domestic wastewater treatment.	10
5	<i>Solid waste</i> : quantity, characteristics and disposal for urban and rural areas. Introduction to air pollution. Types of pollutants, properties and their effects on living beings. BIS standards for pollutants in air and their abetments. Introduction to various disaster, Importance of disaster management.	10
	<b>Total</b>	<b>40</b>

Office of Dean Academic Affairs  
Rajasthan Technical University, Kota

## M-209: MINI-PROJECT

1. The objective is that a student should be able to identify the issues and challenge of the industry and is able to prepare report on the application of emerging technologies in the selected industry.
2. In second semester, the students are required to take one industry as per his/her interest, for analysis and preparing a project report. Preference should be given on the application of emerging technologies in the selected industry. It may consist of Financial Services, Data Science, Social Entrepreneurship, or any other suitable area of interest.
3. The students will prepare seminar under guidance of faculty members allotted by the Director/ Principal /Head of Department of the institute. There will be regular internal assessment and regular classroom interactions as per the number of sessions allotted to it.
4. The student will submit written report of seminar work, prepared individually and shall make an oral presentation before a panel consisting of internal and external examiner (Preferably from Industry) appointed by Director/Principal/HOD. The assessment of 40 marks shall be done by the external examiner appointed by the Head of the department in consultation with Director/Principal of the college. University shall not appoint any examiners for M-209.
5. The average number of pages in the report shall be 40 and should be typed by student himself. The format of the report is to be provided to students by the institute.

## M-210: BUSINESS ETHICS LAB.

- OBJECTIVES:**
1. To comprehend Indian Ethos and values
  2. To understand ethical problems and issues in various corporate situations.
  3. To participate in case discussions of ethical issues that are grounded in strategic business settings.
- LEARNING OUTCOMES:**
1. Imbibe concept of ethical issues in corporate governance and adhere to ethical codes.
  2. Develop knowledge of various CSR for implementing professional life.
  3. Use their ethical imaginations in resolving dilemmas and enhancing business decision-making.
  4. Appreciate the relevance of personal values in the business/workplace setting.

SN	DETAILS OF LAB WORK
1	Introduction Business Ethics: Discussion on theories of Ethics. <ul style="list-style-type: none"> <li>• Case: Rajanna's Ethical Dilemma</li> <li>• Case: The Rise and fall of Vijay Mallya</li> <li>• Case: Business Ethics and Governance Issues at HP: The pretexting Controversy</li> </ul>
2	Discussion on relevance of Indian ethos in organization, Indian Management thought Vs Western Management thought, Theory of GUNAS (Sattva, Rajas, Tamas), Doctrine of Karma. Discussion on: <ul style="list-style-type: none"> <li>• Management lessons from Ramayana</li> <li>• Leadership and Management lessons from Chanakya Nitti</li> <li>• Corporate Lessons from Mahabharat</li> <li>• Management Lessons from Bhagavad Gita.</li> <li>• Presentation on implication of Indian Ethos in Business organizations.</li> </ul>
3	Ethical Leadership: Case Study/Discussion with focus on Ethical leadership, <ul style="list-style-type: none"> <li>• Case: The CEO of Starbucks and the Practice of Ethical Leadership</li> <li>• Case: Case on Executive Integrity</li> <li>• Ethical Leadership Story of Naranmurthy, Infosys</li> <li>• Ethical Leadership Story of Ratan Tata and India's Tata Group</li> <li>• Ethical Issues in Snap's IPO: Evaluating Leadership Character</li> <li>• Role play on Ethical Leadership behaviour</li> </ul>
4	Corporate Social Responsibility: Legal Perspectives, Economic Perspectives, Ethical Perspectives. <ul style="list-style-type: none"> <li>• Case: Managing for Stakeholders</li> <li>• Case: Corporate Social Responsibility in an Indian Public Sector Organization: A Case Study of NTPC</li> <li>• Field work on Corporate Social Responsibility</li> </ul>
5	Discussion/ Case Study on Corporate Social Responsibility: <ul style="list-style-type: none"> <li>• Case: CSR-Amul</li> <li>• Case: Havells India Ltd.</li> <li>• Case: Coca-Cola India: Is It an Eco-friendly Company?</li> <li>• CSR activity of BPCL Ltd.</li> <li>• CSR Activities of Mahindra &amp; Mahindra Ltd.</li> <li>• CSR activities of ITC Ltd.</li> </ul>
6	Ethical Issues in Business Area: Discussion on Ethical Issues in business arena of Finance, Marketing, IT etc. <ul style="list-style-type: none"> <li>• Case: Facebook and our Fake News Problem</li> <li>• Case: Targeting a Broken Heart</li> <li>• Case: The Debacle and Revival of Nestlé India's Maggi</li> </ul>