23HS301 UNIVERSAL HUMAN VALUES AND ETHICS L T P C 3 0 0 3

COURSE OBJECTIVES:

 Development of a holistic perspective based on self-exploration about

themselves (human being), family, society and nature/existence.

 Understanding (or developing clarity) of the harmony in the human being, family,

society and nature/existence.

 Strengthening of self-reflection.

 Development of commitment and courage to act.

UNIT I COURSE INTRODUCTION 9

Need, Basic Guidelines, Content and Process for Value Education - Understanding the

need, basic guidelines, content and process for Value Education -Self Exploration–what

is it? - its content and process; ‘Natural Acceptance’ and Experiential Validation- as the

mechanism for self exploration - Continuous Happiness and Prosperity- A look at basic

Human Aspirations -Right understanding, Relationship and Physical Facilities- the basic

requirements for fulfilment of aspirations of every human being with their correct priority

-Understanding Happiness and Prosperity correctly- A critical appraisal of the current

scenario -Method to fulfil the above human aspirations: understanding and living in

harmony at various levels.

UNIT II UNDERSTANDING HARMONY IN THE HUMAN BEING 9

Harmony in Myself- Understanding human being as a co-existence of the sentient ‘I’

and the material ‘Body’ -Understanding the needs of Self (‘I’) and ‘Body’ - Sukh and

Suvidha- Understanding the Body as an instrument of ‘I’ (I being the doer, seer and

enjoyer) -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.

UNIT III UNDERSTANDING HARMONY IN THE FAMILY AND SOCIETY 9

Harmony in Human-Human Relationship -Understanding Harmony in the family – the

basic unit of human interaction -Understanding values in human-human relationship;

meaning of Nyaya and program for its fulfilment to ensure satisfaction; Trust(Vishwas)

and Respect as the foundational values of relationship -Understanding the meaning of

Vishwas; Difference between intention and competence -Understanding the meaning of

Samman, Difference between respect and differentiation; the other salient values in

relationship -Understanding the harmony in the society (society being an extension of

family)-Visualizing a universal harmonious order in society- Undivided Society (Akhand

Samaj), Universal Order- from family to world family.

UNIT IV ENGINEERING ETHICS 9

Senses of ‗Engineering Ethics„ – Variety of moral issues – Types of inquiry – Moral

dilemmas – Moral Autonomy – Kohlberg’s theory – Gilligan’s theory – Consensus and

Controversy – Models of professional roles - Theories about right action – Self-interest

– Customs and Religion – Uses of Ethical Theories.

UNIT V SAFETY, RESPONSIBILITY AND RIGHTS 9

Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis and Reducing

Risk - Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of

Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual

Property Rights (IPR) – Discrimination-Moral Leadership –Code of Conduct – Corporate

Social Responsibility.

TOTAL: 45 PERIODS

COURSE OUTCOMES:

At the end of the course the students will be able to

CO1: Understand the need of value education.

CO2: Comprehend the difference between self and body.

CO3: Understand the need to exist as an unit of Family and society.

CO4: Understand Harmony at all levels.

CO5: Apply the values acquired in the professional front.

CO6: Identify appropriate technologies for ecofriendly production systems.

TEXT BOOKS:

1. Human Values and Professional Ethics by R R Gaur, R Sangal, G P Bagaria,

Excel Books, New Delhi, 2010 3.

2. Mike W. Martin and Roland Schinzinger, ―Ethics in Engineering‖, Tata

McGraw Hill, New Delhi, 2003.

3. Govindarajan M, Natarajan S, Senthil Kumar V. S, ―Engineering Ethics‖,

Prentice Hall of India, New Delhi, 2004

REFERENCE BOOKS:

1. Jeevan Vidya: Ek Parichaya, A Nagaraj, Jeevan Vidya Prakashan,

Amarkantak, 1999.

2. Human Values, A.N. Tripathi, New Age Intl. Publishers, New Delhi, 2004.

3. The Story of Stuff (Book).

4. The Story of My Experiments with Truth - by Mohandas Karamchand Gandhi

AICTE Model Curriculum in Humanities, Social Science and Management

Courses (UG Engineering &amp; Technology) 169 | Page .

5. Small is Beautiful - E. F Schumacher.

6. Slow is Beautiful - Cecile Andrews.

7. Economy of Permanence - J C Kumarappa 8. Bharat Mein Angreji Raj –

Pandit Sunderlal.

8. Rediscovering India - by Dharampal.

9. Hind Swaraj or Indian Home Rule - by Mohandas K. Gandhi .

10. India Wins Freedom - Maulana Abdul Kalam Azad.

11. Vivekananda - Romain Rolland (English) 13. Gandhi - Romain Rolland

(English).

12. Charles B. Fleddermann, ―Engineering Ethics‖, Pearson Prentice Hall, New

Jersey, 2004.

13. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, ―Engineering

Ethics – Concepts and Cases‖, Cengage Learning, 2009.