

PROFILE

Name _____

Subject All General Subjects OF ESE Exam.

Academic Year _____

Semester _____

Address _____

Branch _____

Contact _____

Professor in Charge _____

Institute / University / School _____

Important Notice

1. Ethics and Values in Engineering Profession

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ANDY®

General Studies & Engineering Aptitude. (GIS-I)

1. Current Issues of National & International importance.
2. Engineering Aptitude - L.R. & Analytical abilities.
3. Engineering Mathematics - Numerical Analysis.
4. General Principles of Design.
5. Basics of Energy & Environment.
6. Basics of Project Management.
7. Basics of Material Science & Engineering.
8. I.C.T. based tools & their application.
9. Ethics & Values in Engineering Profession.
10. Standards and Quality Practices in Production, Construction, Maintenance and Services.

ETHICS AND

VALUES

IN ENGINEERING

PROFESSION

BY

RAJ KUMAR ROY SIR

ETHICS AND

VALUES

PROFESSION

BY

PAD KUMAR BOY 28

Ethics & Values in Engineering Profession

Syllabus →

1. Meaning of Ethics.
2. Ethical theories.
3. Human values.
4. values in Engineering.
5. Ethical Issues, Dilemmas, Value conflict & unethical Behaviour in Engineering.
6. Responsibilities of Engineers.
7. Environment Ethics: Responsibilities of Engineers towards Environment.
8. Codes of conducts.

Year	2017	2018	2019	2020	2021
No. of Questions	06	07	14	05	12
No. of Marks	12	14	28	10	24

Average no. of questions \approx 8-9

Average Marks/ weightages \approx 16-18

1. Introduction

(08)

Meaning of Ethics

Ethics →

Systematic study of human action from the point of view of its rightfulness/wrongfulness.

Why should an engineer study ethics?

Sol 1. Awareness Generation - Ethics.

2. Assessment Skills - for future decisions.

3. understand impact of action (Moral dimension).

4. Resolve Ethical dilemmas / value conflicts.

5. Social Responsibility - Risk/safety.

Profession →

Professional → Some one who derived their income from expertise

Eg → Lawyer, Doctor, Engineer, Actor.

Profession →

- A disciplined group of individuals who adheres to ethical standard.
- Possess special knowledge & skills.
- Derived / learned from research, education & training.

Professional →

- Member of profession
- Governed by its code of ethics
- Profess commitment to competence, integrity, altruism.
- Promotion of public goods.

Elements of Profession

1. Systematic body of knowledge.
2. Authority of credibility.
3. Regulation & control of its members
4. Code of ethics
5. work culture - norms, values etc

To Summarize Profession

1. Advanced Expertise.
2. Self regulation.
3. Public good.

Ethics

Physics:→

Systematic Study of natural Phenomenon.

Ethics

Set of standard that Society places on itself that help guide behaviour, choice & actions