

SEMESTER V
SKILL BASED SUBJECT - III

BASICS OF PATENT AND BIOETHICS

UNIT – I:

Patent – Definition, types of patent, issues related to patent, granting process of patent, rights provided by patent, patent protection

UNIT –II:

Introduction to intellectual property rights (IPR)- Overview, meaning and types
Copyright – Introduction, area covered by copyright, types of rights, need of protection of copy right
Trade marks- introduction, types and function

UNIT –III:

Definition of Ethics and Bioethics, ethics in biosciences (positive and negative effects with classical examples – slow ripening fruits and controlled ripening)
Awareness education on genetically engineered organisms

UNIT –IV:

Containment levels – Definition and types, their impact on environment – recommended biosafety levels for infectious agents, animal facilities
Need for a good laboratory practice- aspiration and responsibility

UNIT –V:

Ethics in clinical trials and good clinical practices (GCP) – Definition of clinical trials and GCP, general information about clinical trials, need to conduct clinical trials, phases of clinical trials, institutional setups for conducting clinical trials and ethics associated with it

REFERENCES

1. Copy right, Patent trade mark and related state, Doctrines cases and materials on the law of intellectual property, 7th edition, Antony W Rodger, Foundation Press
2. Intellectual Property Rights – Padmanabhan, A First edition, 2012, Publisher- Lexis, Nexis- New Delhi-1
3. Bioethics and Biosafety – R. Rallipalli and Geetha Bali, APH publications, 2007.
4. Biological safety principles and practices- Fleming, DA., and Hunt, DL., 2000, ASM Press.