

**D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS),VELLORE-1.**

**SUB: IPR, BIOSAFETY AND BIOETHICS (15CPMB3D)**

**UNIT I      SECTION A**

1. Write a short note on WTO.
2. Write about the GATT.
3. Write about the economic impact of WTO.

**SECTION B**

1. Explain about the different forms of IPR.
2. Explain the benefits of WTO.

**UNIT II      SECTION A**

1. Explain about the patents.
2. Write about the history of Indian patent system.
3. Write a short note on patent co-operation treaty.
4. Write about the TRIPS.
5. Write about the copy rights.
6. Write a short note on trademarks.

**SECTION B**

1. Explain the patentable and non-patentable inventions.
2. Explain the application procedure of patent in India.

**UNIT III      SECTION A**

1. Explain the recombinant advisory committee.
2. Write about the IBSC.
3. Write a short note on district level committee.

4. Write a short note on biosafety regulations of GMO in India.

#### **SECTION B**

1. Explain about the biosafety levels.
2. Explain the structure and functions of committee.
3. Explain the DBT guidance on biosafety in conducting research in biology.
4. Write about the biosafety regulation of transgenic animals and plants.

#### **UNIT IV      SECTION A**

1. What is bioethics?
2. Write about the ethical criteria's in biotechnology.
3. Write about the animal ethics.
4. Write about the human cloning.

#### **SECTION B**

1. Explain the ethical clearance norms for conducting studies on human subjects.

#### **UNIT V      SECTION A**

1. Write about the quality control in food process technology.
2. Write about the quality control in dairy product technology.

#### **SECTION B**

1. Explain about the quality control for portable water.