

# **Kadi Sarva Vishwavidyalaya, Gandhinagar**

**PART-1 (BASIC AWARENESS AND APTITUDE ON RESEARCH) – 50 Marks**

## **PART-2 Syllabus for Ph.D Entrance Test: Pharmacy (Marks-50)**

- Various topics covers and recent advances in pharmaceutical formulation, NDDS, Biopharmaceutics, Microbiology and biotechnology. Formulation principles of solid, liquid and parenteral dosage form.
- Topics covers under and recent advances in GMP, GLP, GCP local and global regulatory requirements for drug applications as NDA and ANDA.
- Various techniques used for analysis of chemical compound and Advance spectroscopic methods UV Visible, Spectroscopy, IR, NMR, Mass, Fluorimetry, X-ray techniques. Validation Method.
- Various current and recent advances in Pharmacology of different therapeutic class of drugs. Topics covered under drug discovery, development, preclinical, clinical research and practices.
- Topics covered under pharmacognosy and recent advances in biotechnology and cultivation of medicinal plant.