



Air Force Golden Jubilee Institute

Subroto Park New Delhi – 110010

Term – I

Syllabus (2011-2012)

Class – XII

BIOLOGY

Unit – VI, VII, VIII (Ch 1-8, 11)

- Chapter 1: Reproduction in Organisms.
- Chapter 2: Sexual reproduction in flowering plants
Flower, stamen, pistil, pollination, post fertilization,
Apomixis and polyembryony.
- Chapter 3: Human Reproduction
Male reproductive system, Female reproductive system,
Gametogenesis, fertilisation, menstrual cycle, pregnancy?
Embryonic development
- Chapter 4: Reproductive health
- Chapter 5: Principles of inheritance & variation
Till chromosomal theory of inheritance. Pedigree analysis,
Mendelian & chromosomal disorders
- Chapter 6: Molecular basis of inheritance
The DNA, search for genetic material genetic material is
DNA, RNA world, replication, transcription, translation, HGP
- Chapter 11: Biotechnology – Principle & processes.
Tools of DNA technology, processes, downstream processing
Biotechnology and its applications – in agriculture in
Medicine , transgenic, ethical issues.