

## High Yield Hints – Biology in Human Welfare

### BIOLOGY IN HUMAN WELFARE

1. Hypochondriasis is a Psychosomatic disorder that develops in adolescence due to anxiety. Neurasthenia refers to lack of concentration and depression.
2. Amniocentesis is a prenatal technique used to detect chromosome abnormalities in developing fetus. Examining the cells of the Amniotic fluid does it. Chorionic Villi Sampling (CVS) is another prenatal diagnosis.
3. Sedatives and Tranquillizers are drugs that inhibit brain activities. Egs. Barbiturates, Valium (Benzodiazepines). Opiatic narcotics are used as pain killers and include Morphine, Codeine, Heroin, Pethidine etc. Opiate drugs are obtained from the Opium plant (*Papaver somniferum*). Amphetamines and Cocaine are stimulants causing excitements by stimulating brain. Hallucinogens alter the person's feelings and thoughts by producing hallucinations. Egs. LSD, Mescaline, Charas, Ganja etc.
4. Teratogens are agents that cause abnormalities in developing fetus leading to birth defects. Alcohol, Heroin, Cocaine. A recently banned pesticide Endosulfan also acts as Teratogen.
5. Autografting is the transfer of tissues or organs from one place of the body to another place in the same individual. Allografting is the transfer of tissues from one individual to another genetically different individual. Xenograft is the tissue transferred from one individual to another of a different species. Immunosuppressive drugs prevent tissue rejection by reducing the immune response after organ transplantation.