

3. Write notes on any *two* of the following : 8
- (a) Morphology of *Dracunculus medinensis*.
 - (b) Parasitic adaptations in nematodes.
 - (c) Life cycle of *Trichinella spiralis*.
 - (d) Pathogenicity of *Wuchereria bancrofti*.
4. Write notes on any *two* of the following : 8
- (a) Life-cycle of ticks.
 - (b) Mosquitoes as a vector in the transmission of malaria and yellow fever.
 - (c) Parasitic sand fly.
 - (d) Morphology of *Cimex lacturalis*.
5. Write long answer of any *one* of the following : 8
- (a) Explain the biological control of insects.
 - (b) Describe morphology, pathogenicity and control measures of Siphonaptera.