



[Total Marks : 40

### Instructions :

Student's Signature

- (2) Figures to the right indicate full marks for the question.
- (3) Draw labeled diagram where necessary.

- 1 Write notes on : (any **two**) 8
- (a) Life cycle of Plasmodium
  - (b) Pathogenicity and laboratory diagnosis of Entamoeba histolytica
  - (c) Differences between Taenia Saginate and Taenia solium
- 2 Write notes on : (any **three**) 12
- (a) Anaerobic culture methods
  - (b) Koch's postulates
  - (c) Bacterial growth curve
  - (d) Enumerate different methods of sterilization and write about Hot air oven

- 3 Write notes on : : (any two) 8
- (a) Laboratory diagnosis of Kala azar
  - (b) Cell mediated immune response
  - (c) Life cycle and laboratory diagnosis of Round worm
- 4 Write notes on : (any **three**) 12
- (a) Differences between active and passive immunity
  - (b) Structure of immunoglobulin and abnormal immunoglobulins
  - (c) Alternate complement pathway
  - (d) Precipitation reaction.