M. Sc. (Sem. III) Examination
March / April - 2016
BOT - 304 : Cell Biology

Time : 3 Hours] [Total Marks : 70

Instructions :
(1)

(2) Sketch neat and labeled diagram wherever necessary.
(3) Figures to the right indicate full marks of the questions.

1. Explain Mitosis with the help of diagram give difference between (18)
   meiosis and Mitosis

2. Explain:
   (18)
   1. Electron microscopy
   2. Nucleic Acids

3. Explain (Any two)
   (18)
   1. The physical structure of DNA
   2. Origin, Morphology and function of Ribosomes
   3. Polytene and lamprbus chromosomes

4. Describe: (Any two)
   (16)
   1. Structure of prokaryotic cell and Eukaryotic cell in brief.
   2. Structure and function of M-RNA